PROVISION **ISR**®

Now you can see!
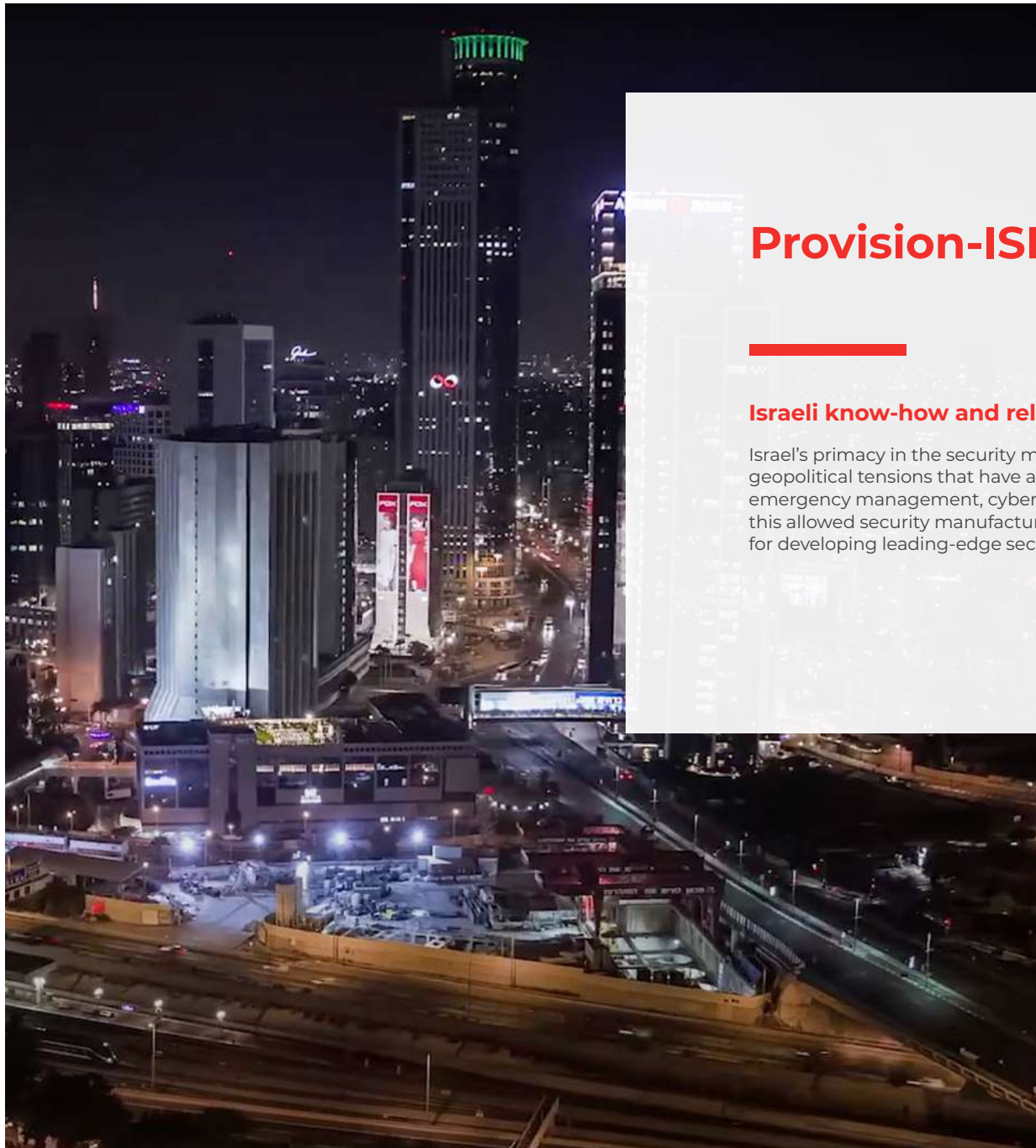
Catalog
JUNE
2021

PROVISION-ISR

Professional
Security
Providers

Catalog June 2021
Index

Provision-ISR:

Israeli know-how and reliability

Israel's primacy in the security market is a globally recognized factor. Since it was formed, the geopolitical tensions that have affected the country have pushed the industry to invest in emergency management, cybersecurity, intelligence, and critical infrastructure protection. All this allowed security manufacturers to gain unparalleled expertise and a worldwide reputation for developing leading-edge security solutions.

Provision-ISR
Key strenghts

Brand philosophy

Provision-ISR's philosophy focuses on both the importance of human capital and the respect of any business relationship. When it comes to business partners, our professional ethics guide us to protect all the members in the supply chain: from the big distributor to the small installer, while respecting the unique contribution of each one. The company is growing fast, but we are proud to keep our core values of a long partnership built on friendship and co-working.

Designing process

Founded in 2007, the Israeli company PROVISION-ISR has been responding to the diversified demands of the market, becoming one of the fastest-growing CCTV Brands in the world. Our CCTV devices and software design by a highly skilled team of engineers at the R&D department located in Kfar Saba are striving to develop "intelligent" and advanced solutions while keeping the user interface intuitive and straightforward.

Product range

Provision-ISR range of products includes high-quality IP and HD cameras, sophisticated recording machines and a complete range of reliable accessories specifically designed for the CCTV market.
In addition, Provision-ISR engineers gained unparalleled expertise in developing leading-edge software solutions while keeping their interface simple and intuitive.

Production facilities

While the designing process takes place in Israel, the production facilities are based in Shenzhen (China). This setup allows us to be extremely competitive in the market. Provision-ISR engineers select the best components available on the market and the quality control that follows the production processes allows us to reach the expected top-quality standards.

Logistics and global distribution

Three Logistics warehouses, strategically located in China, the Netherlands and Panama allow Provision-ISR to reach any market in the world guaranteeing a fast and efficient global distribution.
Today   more than 40 countries through a wide network of official exclusive distributors, who are working as partners to promote and distribute the brand in their regions.

Knowledge sharing

In today's CCTV market, where products and technologies change every few months, knowledge is the keyword. Our technical specialists release how-to tutorials every time a new solution has launched to the market. Technical webinars are scheduled periodically to update Provision-ISR partners about product upgrades or new features. Last but not least, Provision-ISR roadshows, seminars, training sessions, and workshops take place all over the world in support of distributors, sub-distributors, and installers.

Attention to vertical markets

Nowadays, a wider variety of vertical markets show an increasing need for video surveillance, and security manufacturers must provide high-performance technologies at a very competitive price. Provision-ISR can accomplish this requirement thanks to a comprehensive product suite including high-definition analog cameras, affordably priced IP with advanced analytics functions, and cutting-edge software solutions.

Provision-isr international projects

Hospitals, shopping centers, industrial complexes, hotels, sports facilities, residential areas, museums, historical buildings: Provision-ISR CCTV solutions are developed to fulfill any security requirement.
Through the years, the Brand has gained the trust of the security market, and today the world can count thousands of projects branded by Provision-ISR.

Knowledge sharing

E-Learning

The more we learn, the more we grow.

We created a "knowledge sharing" section within our website to update and familiarize yourself with our solutions constantly! General CCTV education, short clips showing how to do step-by-step, insight about Provision-ISR products or technologies, and a brand new "webinar library" dedicated to those who want to learn more about our solutions.

Enjoy your FREE learning experience!

Education

How-To Tutorial
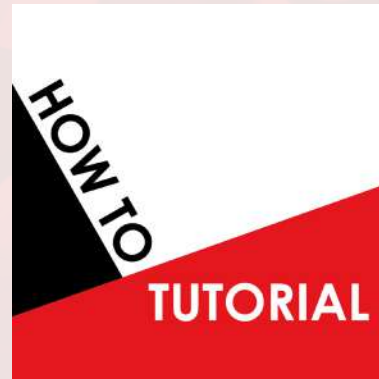
Provision-ISR Solutions

Live webinars

Cyber Security

Make sure you feel secure.

"For organizations subject to the GDPR, there are two broad categories of compliance you need to understand: data protection and data privacy.
Data protection means keeping data safe from unauthorized access. Data privacy means empowering your users to make their own decisions about who can process their data and for what purpose". (gdpr.eu/data-privacy/)

In Provision-ISR's mind, both Data Protection and Data Privacy are "sacred ." Provision-ISR invested tremendous resources during the past few months and developed dozens of new mechanisms and algorithms to keep your data safe.

OSSIA version 1.4.1 and up includes:

- Connection via secured P2P Cloud services
- Encrypted password recovery mechanism
- Black/White Lists
- User authority management
- Auto logout
- Telnet port closing
- Ability to disable video when logged out
- Password strength indicator
- Default password prompt
- Enhanced protection against password generators
- HTTPS Secure protocol
- 802.X Security protocol
- Cloud update service for auto update
- Config files encryption
- HDD data encryption

- Video backup Encryption
- Detailed User Privacy Statement
- Mandatory password change
- SDK/API server
- 6 Months detailed system log
- Individual channel recording time expiration
- Secured RS-232 connection
- Choose the password strength to be demanded by the device as a default
- Possibility to set password expiration time

From Ossia v1.4.5 and up:
- Login verification encryption algorithm is updated to SHA512
- The devices now have a single "owner" via the Provision Cam2 app
  Only he can share and remove authorized users from using the app

Take control.
Do it now.

Ossia is the latest OS for Provision-ISR's DVR/NVR systems. It is one of the most innovative operating systems available in the market. It offers full compatibility with all Provision-ISR IP cameras with complete control over all main features. Moreover, it provides the user with all the necessary tools to complete the system's utilization while keeping things simple and intuitive. The firmware is based on the most advanced SOC technology and boasts a new graphical user interface (GUI) simple to use, even in comparison to the previous version.

OSSIA O.S.

Operating system

OSSIA O.S
Operating system

MAIN FEATURES

- H.265 Encoding Support*
- Manual Alarm Output
- Up to 8MP Support*
- 4K (Ultra HD) Support*
- Full Analytics Support
- Enhanced Security Features
- Advanced Network Protocols (QoS, 801.X, HTTPS support , Etc...)
- Scheduled Push Notifications
- E-mail Notifications
- VMS Feature*
- SNMP Protocol
- Analytics for analog DVR*
- Fisheye support (only 2 MP NVRs)
- Face recognition support (only "F" series NVRs)

- Dual IP configuration
- PoS (Point of sale)
- Support HDD Hibernation and encryption
- 4k output upgraded to 60Hz
- All IPC analytic supported by NVR such as people counting
- HFR (High Frame Rate)*
- Improved Face Interfaces
- Advanced Analytics support (DDA Object Detection)
- Improved Face Recognition Interface
- New intuitive Interface for DDA Analytic settings
- LPR (License Plate Recognition) Camera support
- Scheduled Email Statistics from Object counting channels
- USB Flash disk NTFS support
- Emails triggered by AI events will include the snapshot images.
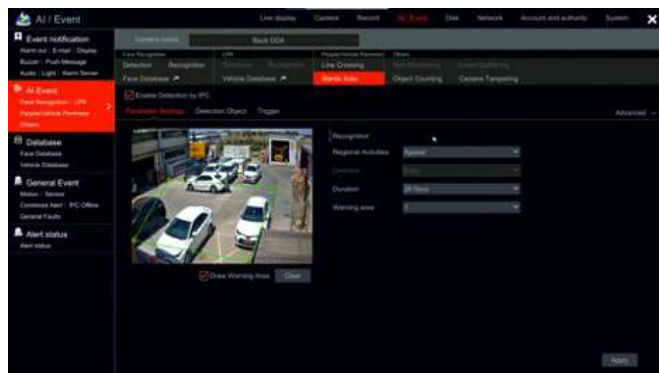
SMART CONFIGURATION

- Advanced HDD Management
- Double Stream Recording
- Situation Dependent Recording
- Default Username/Password Configuration
- RTSP Input configuration
- Dynamic Hybrid*
- Cloud upgrading
- Channel input from other devices get alarms status (FW 1.3.3)
- CCTV mode on PoE NVR
- Independent HDMI and VGA output settings NVR only

- Alarm out name modification
- Limit recording time per channel
- Master/Sub/Dual Stream record selection
- Audio output settings
- API Server
- Auto Tracking Configuration (For the coming PTZ line)
- Full IPv6 Support
- Local alarm output NO/NC configuration
- Added colors for POS input
- UDP / Multicast POS support
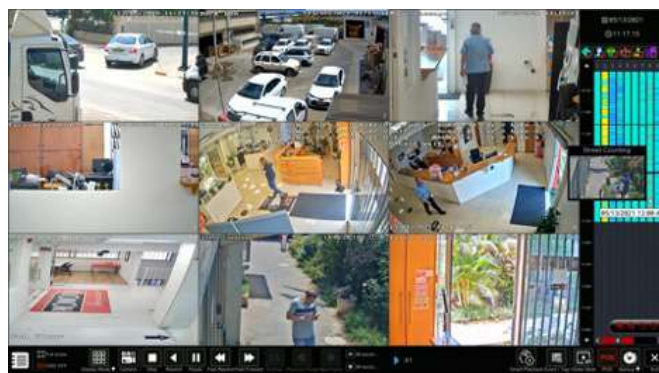
SEARCH PLAYBACK AND BACKUP

- New and Intuitive "Picture Slice Search"
- Instant "Sub-Stream" Playback
- One Click Backup
- Smart Time-Bar View and Control
- Multiple Backup Tasks
- FTP Backup
- Smart search*

- RAID function (only NVRs 64/128CH)
- Log improvements such as - 6 month, Operator IP address
- Encrypted video backup
- Live view of captured license plates
- Search for a specific license plate
- Small video window when pointing to the Time-Bar

* only supported model

OSSIA O.S
Operating system
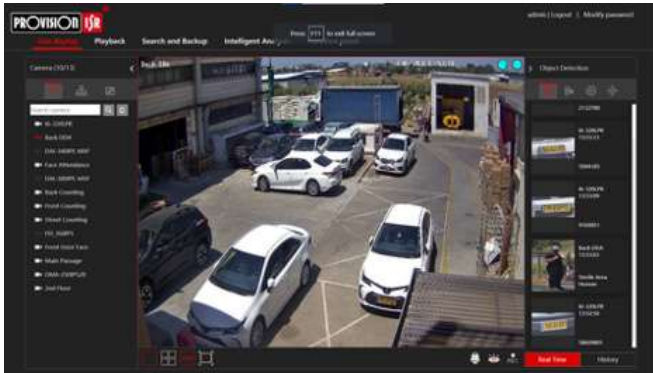
WEB CLIENT INTERFACE

- New and Intuitive Design
- Full Configuration Capabilities
- Remote Playback with Time-Bar
- Real-time Sub-stream Configuration
- Multiple Configuration Sessions
- Full PTZ Control
- Two-Way Audio
- Cloud live backup and configuration

- Upgrading through web client
- Full analytic search capabilities
- "Plug-in free" web-client supporting Chrome, Firefox, Edge, Safari, Etc.
- RAID Configuration Support
- Enhanced web-client with Object detection, Customized display modes and In-channel Sequence

INTUITIVE OPERATIONS

- One-Click Manual Record
- One-Click Alarm/Relay Output
- Camera Layout Presets
- 3D PTZ Operation
- Definable Instant Playback

- Audio Control
- Corridor mode*
- Quickly cancel unwanted pop-ups
- Improved Wizard interface
- Long Right-Click on the mouse to change resolution

IN-CHANNEL OPERATIONS

- Playback
- Sequence*
- Digital Zoom

- PTZ Operations
- Improved Fish-Eye Interface

* only supported model

OSSIA O.S. 1.4.5
New Features

HTML Video Streaming:

Starting with this version, the notorious plug-in is no longer needed. You no longer need to use IE!
Feel free to choose any major internet browser in its latest version (Chrome, Firefox, Safari Etc.)

(Using Fish-Eye cameras will still require IE with plug-in since HTML video cannot perform dewarping).
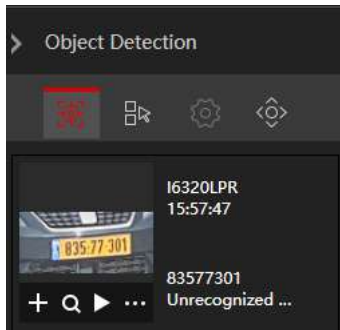
OSSIA O.S. 1.4.5
New Features

Improved remote Web-Client:

The lack of the Plug-in has "unleashed" the capabilities of the web client.
The new web client now features the following improvements:

A) Fully functional analytics bar (similar to the local interface) from which the user can search, playback, and add objects to the databases.

B) "In-channel sequences" and "Customized display modes" that were initially created in the local interface are now available on the remote web client as well.
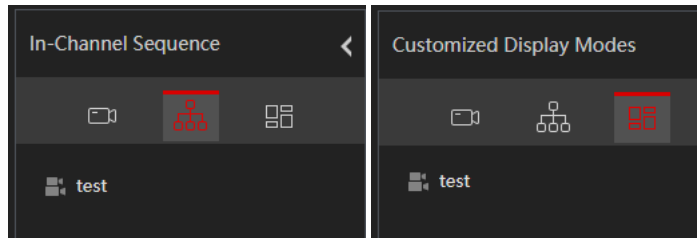
C) Playback can now search "Advanced Analytics."
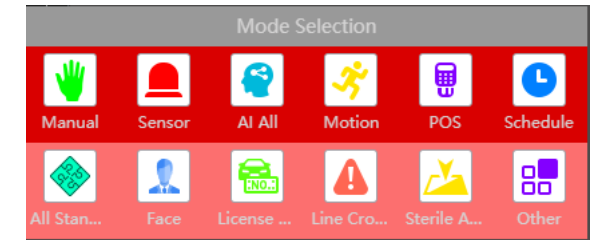
P2P Secured connection to the Provision Cam2 mobile App (v1.8.0):

Starting from v1.4.5 there could be only one device owner (Admin).
The device owner will be the only one able to share the device with others, so he will have complete control of who can connect to the device using the Mobile App.

ONVIF G/T Support (v1.4.6):

This version is ONVIF compatible, meaning that you can connect the NVRs to professional VMS that supports ONVIF protocol and get live view, alarms, audio and playback.
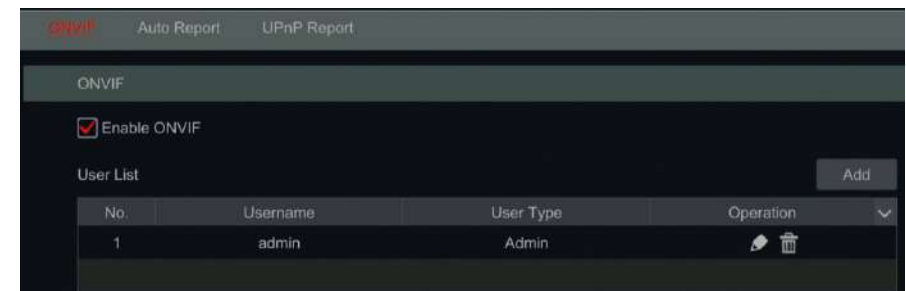
OSSIA O.S. 1.4.5
New Features

Alarm out mode selection:

From now on, the user can choose if the NVR integral alarm out will work in NC or NO mode.

New PTZ Series Support:

V1.4.5 will support the new features offered by our new PTZ line, such as DDA auto-tracking.
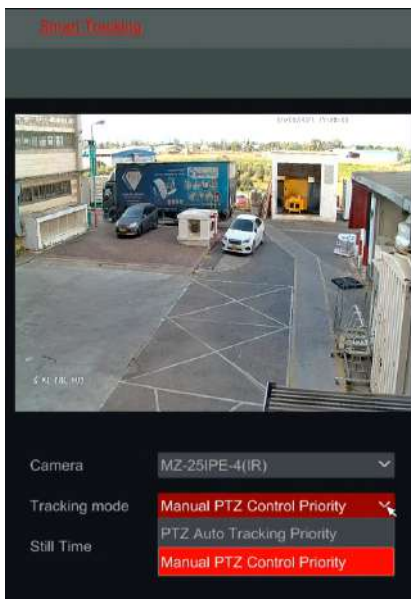
Scheduled Object Counting report:

Object counting channels can now send daily/weekly/monthly reports of the counting statistics.
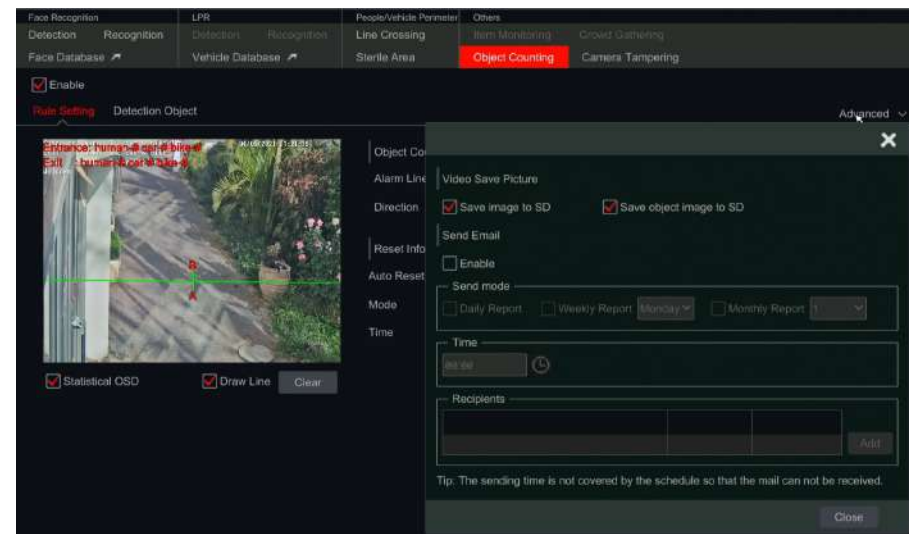
Feature-rich capabilities for large scale video surveillance

Ossia VMS is an advanced and reliable Video Management Software specifically designed for CCTV systems featuring multiple devices controlled from a single reliable platform.

When it comes to managing large-scale video surveillance networks, many organizations lack the required knowledge. Maintaining reliable actions can become complex, and this can result in compromised or inefficient operations.

Provision-ISR OSSIA VMS helps you overcome any problem.

Centralized monitoring across bank branches, campus facilities, chain stores, or industrial complexes - provides operators with at-a-glance verification of incidents and management of multiple cameras through real-time floor plans and intelligent mapping features.

Ossia VMS solution provides a flexible operational approach for operators and manned guarding teams. With its unique and tailored features, the platform enables a rapid and decisive response to any incident.

OSSIA VMS
Video Management software

OSSIA VMS
Standard and Enterprise version

Main features

· Remote device settings and logs
· Complete live view, including Fish-Eye & PTZ Control, Instant Playback, Audio and Stream Control
· Playback view based on time-slice image, events, or tags.
· E-map monitoring
· Face detection and face search capabilities
· Object counting capabilities (Human, 2-wheeled vehicles, and 4-wheeled vehicles)

OSSIA VMS - STANDARD VERSION

Ossia VMS STANDARD supports up to **256** cameras, and it is a license-free platform.
It works as a standalone system where the computer hardware (or software) provides itself with all the required data.
Ossia VMS features powerful video monitoring capabilities such as real-time preview, centralized recording, local and remote playback, backup, alarm linkage, TV wall, keyboard control, and more.

OSSIA VMS - ENTERPRISE VERSION

Ossia VMS ENTERPRISE supports up to **3.000** cameras, and it is a license-based platform.
It works as a server-client system where the computer hardware or software serves as a client and must be connected to a server to work correctly.
Ossia VMS Enterprise holds all the capabilities of Provision-ISR VMS Standard. However, thanks to its server/client working method, it can be widely used in large-scale video surveillance projects.

Application examples

Monitoring the number of visitors in a Bar

Tracking a suspicious individual's movement within a shopping center

Allowing staff members to automatically access their workplace

OSSIA VMS
Main features

Main interface - Live view

Complete live view control including Fish-Eye Support, PTZ Control, Instant Playback, Audio, Stream Control.

Main interface - E-Map monitoring

The user can set the needed monitoring points within an E-Map and see them with a click. E-Map allows monitoring by managed hierarchy.

Main interface - Face detection

The VMS is fully compatible with Provision-ISR face detection devices. The connected devices perform face detection, search, and playback.
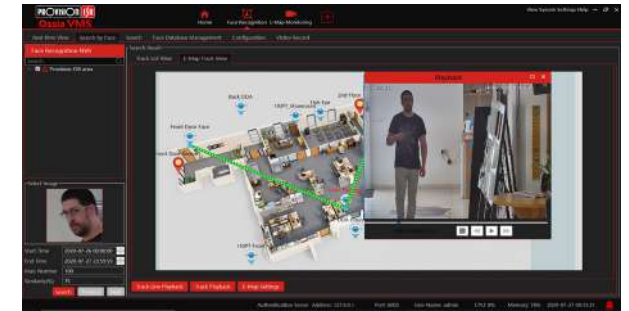
Main interface - Playback view

The playback (from device or server) is based on time-slice image, event, or tag (synchronized and unsynchronized).

Alarm view

It's possible to use a dedicated screen for alarm pop-ups. Each alarm event can trigger a pop-up according to the user's preferences.

Decoding by dedicated HW

Viewing a lot of cameras and having a lot of screens require costly resources. By performing decoding tasks on multiple monitors, Provision-ISR decoders save the user from purchasing expensive computer hardware.

OSSIA VMS
Main features

System Log

The user can check his device logs remotely using the Ossia VMS. The logs can be categorized and easily exported to the user's computer.
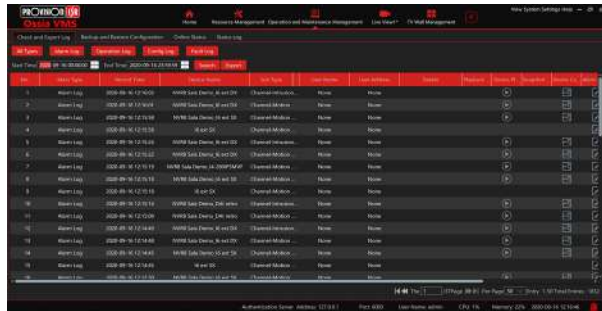
Remote settings

The user can set up his devices remotely using the interactive interface. The settings options will change according to the type of chosen device.
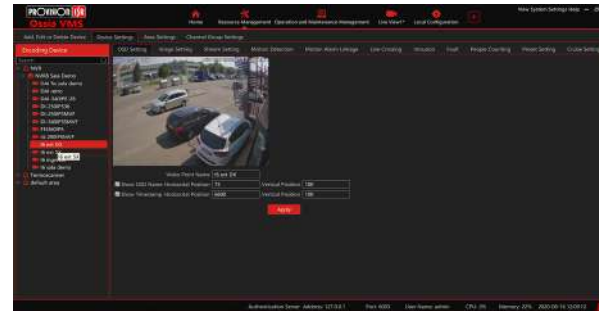
System health monitor

The system health monitor allows the user to see both system and connected devices' status visually. It shows connectivity, alarm status, number of channels, and more. The user can even connect to the device's web client directly.

Remote clients*

The user can connect remotely to the platform by Provision VMS mobile APP or web-client and monitor his sites or configure the server* (*Web-Client - on selected devices).

* Enterprise version

SHOB

Security management platform

Provision-ISR SHOB is a prodigious security management platform that includes a parking management module allowing the user to exercise complete control over the monitored parking areas, from the automated entry of vehicles with registered number plates to the easy registration of visitors in a given time.

The ultimate parking management experience.

SHOB
SECURITY MANAGEMENT PLATFORM

SHOB
Parking management software

When the "SHOB" Security Management Platform meets Provision-ISR LPR cameras, the whole story can be told: the cameras detect and recognize a vehicle license plate and send the information to the "Shob" platform for parking and access management. The user can exercise complete control over the monitored parking areas and efficiently manage various access criteria.

Main features

· Automated entry of vehicles with registered number plates.
· Storage of all incoming/outgoing car images and plate numbers.
· Central registration of authorized vehicles or disabled users.
· Blacklist warning when an unwanted car appears at the gate.
· Easy registration of visitor's vehicles for a given time.
· Manual gate opening option from the controller PC.

Application examples
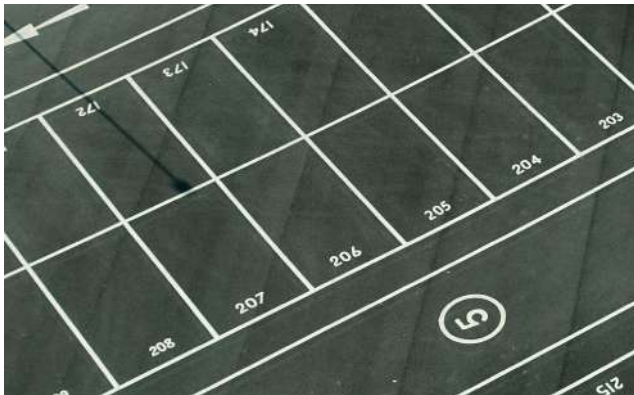
Optimizing corporate parking lots by sharing spaces between employees.

Managing visitors permit in hotels or residential complexes.

Managing car park occupancy

SHOB
Main features
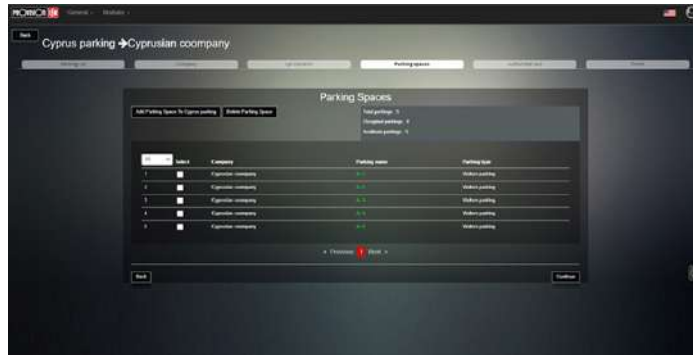
LPR quick setup
· Create a parking lot
· Assign the parking lot to one or more companies
· Add LPR cameras to the parking lot
· Add parking spaces
· Add authorized cars
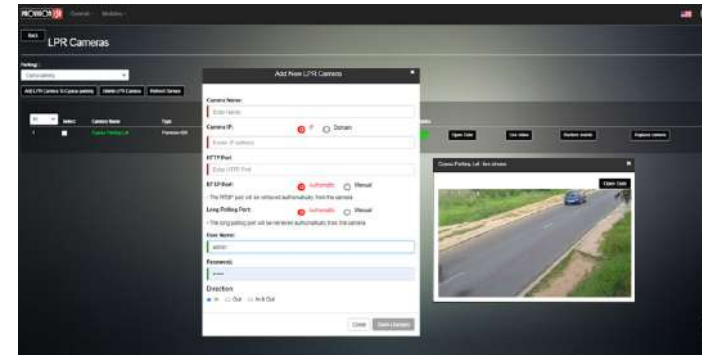
LPR cameras
· Add/remove LPR cameras
· Replace an LPR camera (one click to get it back in action!)
· Play live video
· Open the gate manually
· Restore events (data is taken from the SD card)
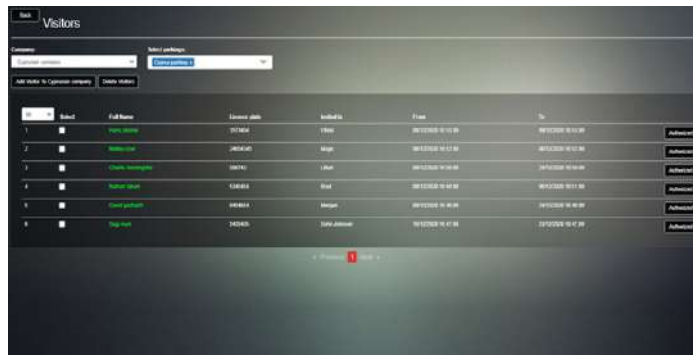
Visitors
· Add visitors' details (license plate, name, surname, phone number etc.)
· Select the date and time in which you want to reserve the parking space for the visitor.
· Add inviter details (company name, parking group etc.)

Monitoring and control
· Get basic information (Company name, Driver name, Camera Location)
· Get event list: authorized car / unauthorized car (unknown)/ blacklist/ parking full / Events received from SD card after connection loss
· Play live video
· Open gate manually
· Check parking lot status

SHOB
Main features
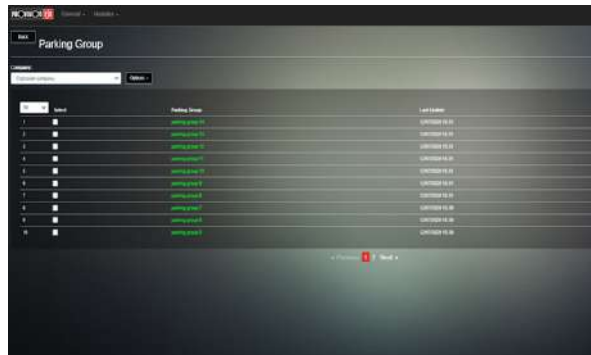
Parking groups
· Choose a company from your companies list
· Add a parking group under the selected company
· Delete the parking group whenever you want
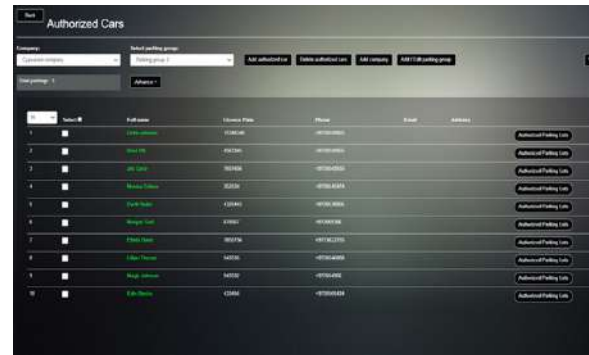
Authorized cars

· Add/remove authorized cars
· Add companies owning parking spaces
· Create parking groups

Parking spaces

· Choose a company from your companies list
· Add a specific number of parking spaces under the selected company
· Reserve parking spaces for your employees or visitors
· Delete the parking spaces whenever you want

Blacklists
· Add / remove blocked vehicles (the user will be able to add blocked vehicles to multiple parking lots)
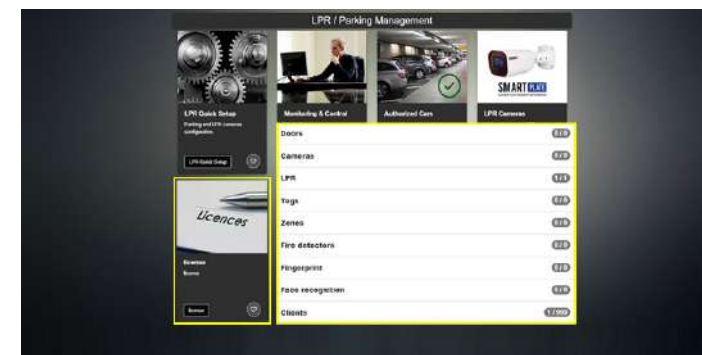
Licenses
· Get real time status of your acquired licenses

Quick IP search, fast device configuration.

Provision-ISR's IP manager is a free PC software that can detect all NVRs, DVRs, and IP cameras in the local network.
Quickly track and manage your IPs and configure your devices with a few simple steps, all from a single PC software.

IP MANAGER
Software

Provision-ISR
IP Manager

Provision-ISR's IP manager detects Provision-ISR devices and different ONVIF cameras from third parties.
The tool offers a live preview of the selected Provision-ISR camera and shows all the information needed by the user (Configurable).
The IP manager also allows single/batch camera configuration, including complete network parameters setting, firmware update, password settings, picture settings, streamsettings, and PTZ password reset.

Main features

• Update IPC software/kernel directly from the tool
• Configure network settings for one or more IP cameras
• Set the video stream of the camera when it serves as a standalone (only cameras with v 3.4.2.1 and up will support this feature)
• Quickly set all the picture parameters (3D-DNR, Mirror, Flip, IR, Etc.)
• Secure your site: change the password of all IPCs in just one click.
• Reset the camera directly through the tool (additional actions will be required for security reasons).

PROVISION CAM2

Mobile APP

The app you have always dreamt of is in the pocket of your jeans.

Provision Cam2 is a free application for iOS & Android devices, offering the users complete control over their devices, including live view, playback, and settings. It is compatible with all Provision-ISR NVRs, DVRs, and static IP Cameras. It is secured against unauthorized access, is user-friendly and intuitive for all users.

Provision CAM 2
Mobile APP

Download on the App Store

ANDROID APP ON Google play
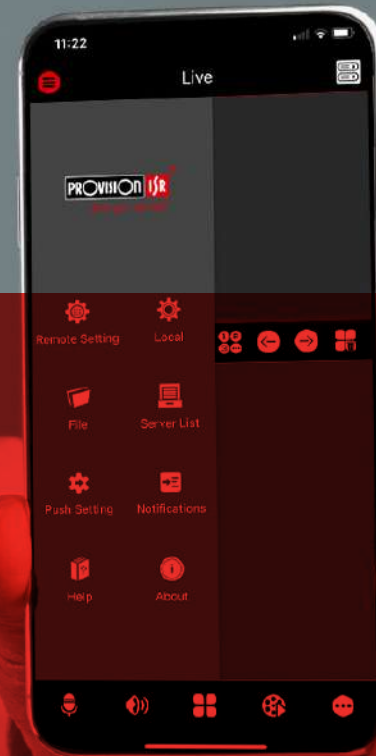
Your 5 star reviews

★★★★★

"I am an installer of video surveillance devices and dozens of Apps have passed under these two eyes.
For its simplicity and completeness I include Provision Cam 2 among the best CCTV apps available on the market today."
ALEX

★★★★★

"I recently replaced my old CCTV system with a new Provision-ISR IP.
The quality of the images is excellent and the ability to receive an alert through this App every time the camera detects Humans makes me sleep more peacefully!"
SHAYA

★★★★★

"I downloaded the App to remotely manage the 8 IP cameras that I have installed in my company.
The images are sharp and stable.
Recommended!"
MICHAEL

Keep an eye on both your belongings and beloved

Home safety

Business monitoring

Shop surveillance

Provision CAM 2
Mobile APP

EXERCISE YOUR FREEDOM OF CHOICE
Provision-ISR APP allows you to choose what's best for you!

You can choose:

• the kind of view you will get when you open the APP (just a specific device, a favorite group of channels, the last viewed layout)
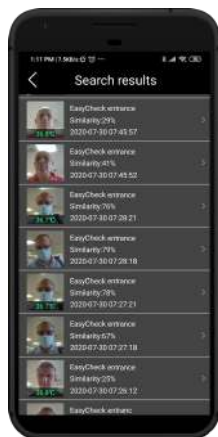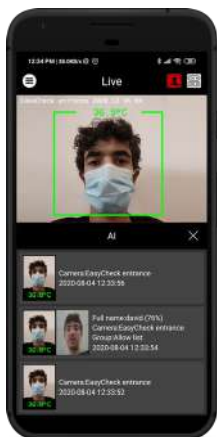• what happens when you open a push notification (live channel view, playback point of the event, etc.)
• the live view channel display mode (number or name)
• what kind of playback events will be showed (all, motion, sensors, analytics)
• your desired view layout from 8 different view modes
• your video stream according to your network speed
• your playback up to 16 channels

ALL YOU NEED IS APP
No need to access your device interface: all can be done from the Provision Cam2 APP!

• Set your devices directly through the APP with full configuration abilities as if you were actually at the installation site
• Add faces to your face database
• Backup recorded files
• Talk and listen to through supported devices
• Activate your alarms
• Search for installation sites with our new device search option
• Get cloud update push notifications and initiate them directly from your mobile!
• Choose who/what you are searching for (person or a vehicle) and get the related event in no time!
• Download the playback file (in MP4 format) to be played in any device

EASY-CHECK SUPPORT

• Ability to see live captured people along with their temperature and recognition information.
• Ability to search for faces and see their captured temperature.

TOUCH GESTURE
Full control at your fingertips!

• Login password gesture
• Playback bar (pinch for zooming)
• PTZ and motorized lens control
• Drag & drop option to open device/channel live view
• Fisheye view

Provision CAM 2
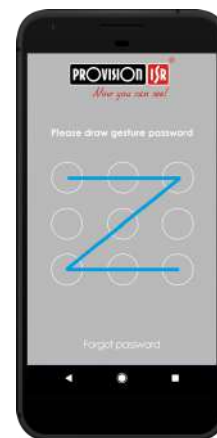# Mobile APP

MIX AND MATCH
Feel free to view the way you want it!

• Visualize a mix of live-view channels from different devices worldwide on one screen and keep it as a favorite group
• Visualize a mix of playback channels from different devices around the world and play them back simultaneously
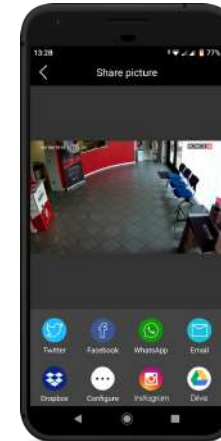
IT'S ALL ABOUT SHARING
Share more by using any supported application on your smartphone!

• ProvisionCam2 APP allows you to share what you want through any application installed on your smartphone: WhatsApp, Facebook, WeChat, LinkedIn, Dropbox, E-mail, and much more!
• Share the QR code to allow your colleagues or family members to log in to your device easily
• Share snapshots or video clips from both live view and playbacks
• Did you come across a problem? Share the problem log with our engineers directly through the APP!

NOTIFY ME
Stay connected to your device and find out what's going on by getting a scheduled push notification!

• Motion/analytic/sensor event
• Channel/ device malfunctions
• HDD problem

FISHEYE CAMERA
Enjoy the ultimate fisheye viewing experience!

• We drew inspiration from the latest gaming and smartphone technologies to offer you a unique "virtual trip"!
• Virtual reality - moving the phone in any direction will move the image accordingly!
• Virtual PTZ - zoom in/out and move inside the image for a full 360° view!
• Cylinder mode - get a 3D image and feel free to rotate and zoom the image with a swipe of a finger

FACE RECOGNITION
Bring the new face recognition experience to your smartphone!

• Why not use your smartphone to build your face database?
• You can capture faces directly from your APP instead of using your IP camera!
• Take snapshots of faces and add them to the database!
• Pick the face picture from your phone gallery and add them to the database!
• Search for a specific person by taking their picture directly using the APP or use the existing database

Provision Cam2 1.8.0 is coming soon
Every APP deserves a fresh start

Are you ready?
Provision CAM2 will switch from a "Standalone" application to a "User-based" application.
Users can register for the app and keep the list of the devices under their user name: If they will log into their account from a different smartphone, they will get all of their devices immediately on the new smartphone!

This change also allows binding a recording device to a single user: The device owner.
Only the device owner can share the device with other Provision Cam2 users, enhancing control and security over the recording devices.

Standalone application

Device 1
Device 2
Device 3
Device 4
Device 5

User-based application

- Device 1
- Device 2
- Device 3
- Device 4
- Device 5

Device 1
Device 2
Device 3
Device 4
Device 5

Device 1
Device 2
Device 3
Device 4
Device 5
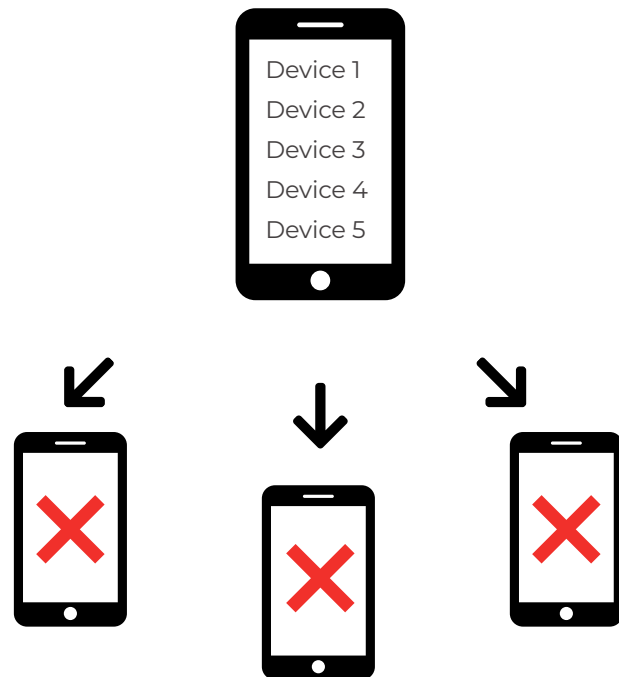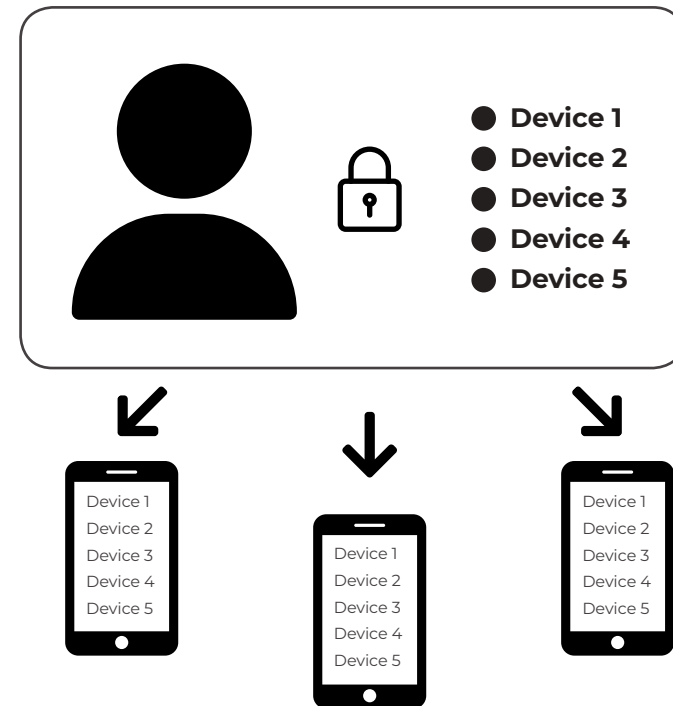
Introduction to
Video Analytics

In Video Surveillance, the expression "Video Analytics" refers to catching the visual data streamed from network cameras and performing real-time event detection and post-event analysis.
However, when it comes to video analytics, we should consider the following main distinction:

Pixel Based video analytics

VS

AI Based Video Analytics

The pixel-based video analytics is known as "Video Motion Detection" (VMD).
The cameras supporting VMD detect pixel variations in their field of view and generate alarms regardless of the object type.
The downside of using VMD is that images can differ naturally throughout the day due to varying lighting conditions, image noise, or movement from trees.
These factors can generate annoying false alarms, which is why VMD technology is recommended for indoor installation only.

The A.I. is based on a series of algorithms that work as a series of questions that compare the seen object with thousands of stored reference images of objects in different angles, positions, and movements. The A.I. asks itself if the observed object moves like the reference images. If it is approximately the same size (height relative to width), has the characteristic two arms and two legs, moves with similar speed, and if it's vertical instead of horizontal.
An overall ranking is derived from combining all the values from the various questions, which gives the A.I. the probability that the object is or isn't a human, a vehicle, or an object.

OBJECT RECOGNITION TECHNOLOGY

The end of false alarms.

Machine learning and, in particular, the rapid development of deep learning approaches have revolutionized video analytics. Object Recognition technology consists of using the "experience" gathered in data sets to recognize objects belonging to a particular type, based on specific characteristics typical for that type.
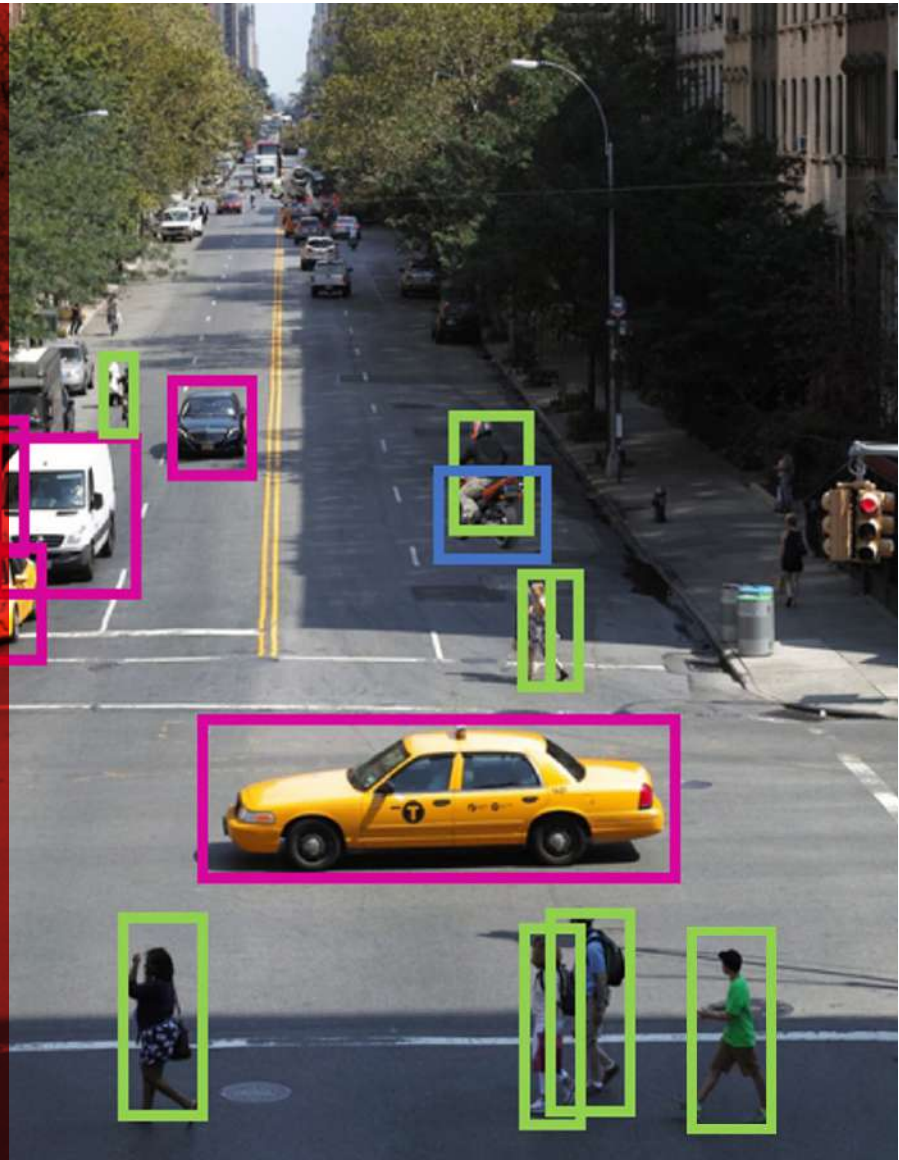
VIDEO ANALYTICS

DDA Video Analytics
Detect. Distinguish. Alert.

Based on smart object recognition technology, DDA VIDEO ANALYTICS allows the system to distinguish between humans, 4-wheeled vehicles and 2-wheeled vehicles. Thanks to this technology, the system triggers alarms or sends push notifications only when the desired object is detected. Doing so reduces annoying false alarms caused by shadows, light changes, shaking trees or animals.
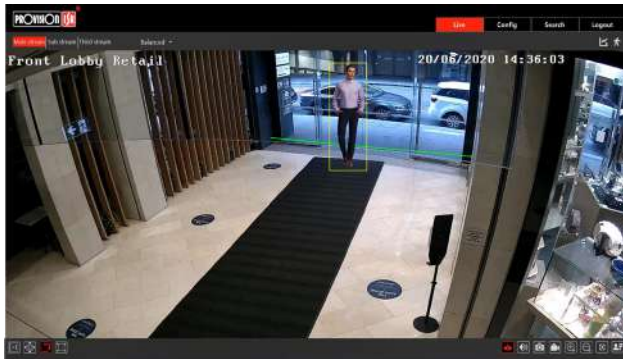
DDA - LINE CROSSING

The user draws a line in the scene and sets access permissions and the crossing direction. When the selected object (human, 2-wheeled vehicle, or 4-wheeled vehicle) crosses the line, the system will trigger an alarm.

APPLICATION EXAMPLES
· Perimeter protection
· Home/Office/Shop safety
· One-way street monitoring

DDA - STERILE AREA

The user draws a virtual area in the scene and sets access permissions. When the selected object (human, 2-wheeled vehicle, or 4-wheeled vehicle) crosses the line, the system will trigger an alarm.

APPLICATION EXAMPLES
· Emergency exit surveillance
· Pedestrian areas monitoring
· Car dealership monitoring

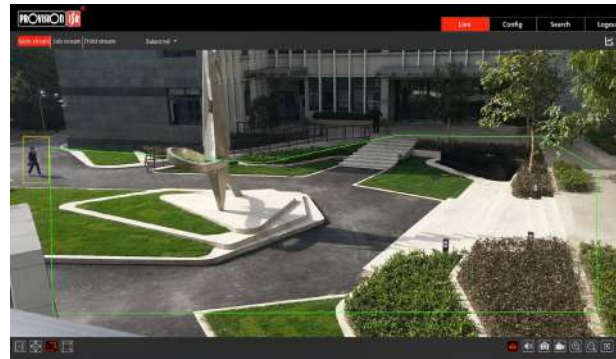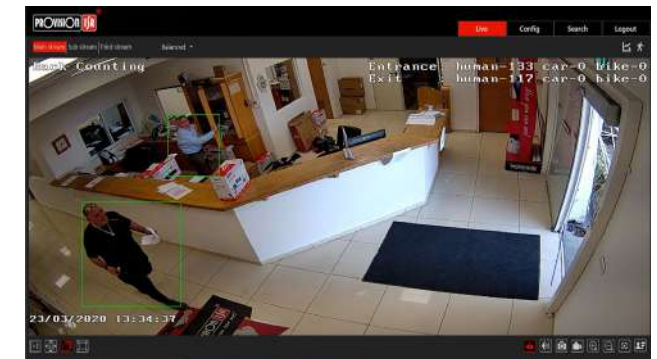### DDA - OBJECT COUNTING

The user draws a line in the scene and sets access permissions and the crossing direction. The counting occurs when the selected object (human, 2-wheeled vehicle, or 4-wheeled vehicle) crosses the line.

APPLICATION EXAMPLES
· Monitoring the maximum capacity of a building/area
· Vehicles' counting in public and private parking
· Visitors/customers counting for marketing purposes

FACE RECOGNITION TECHNOLOGY

Even a poker face cannot fool us. We know how to read it.

Technology has brought verifying one's "true" individual identity into a reality in the last decade. This technology is based in a field called "biometrics." Thanks to biometrics, we can verify or recognize a person's identity based on physiological characteristics, such as facial features. Since biometric systems identify a person by biological markers, they are tough to falsify.

VIDEO ANALYTICS
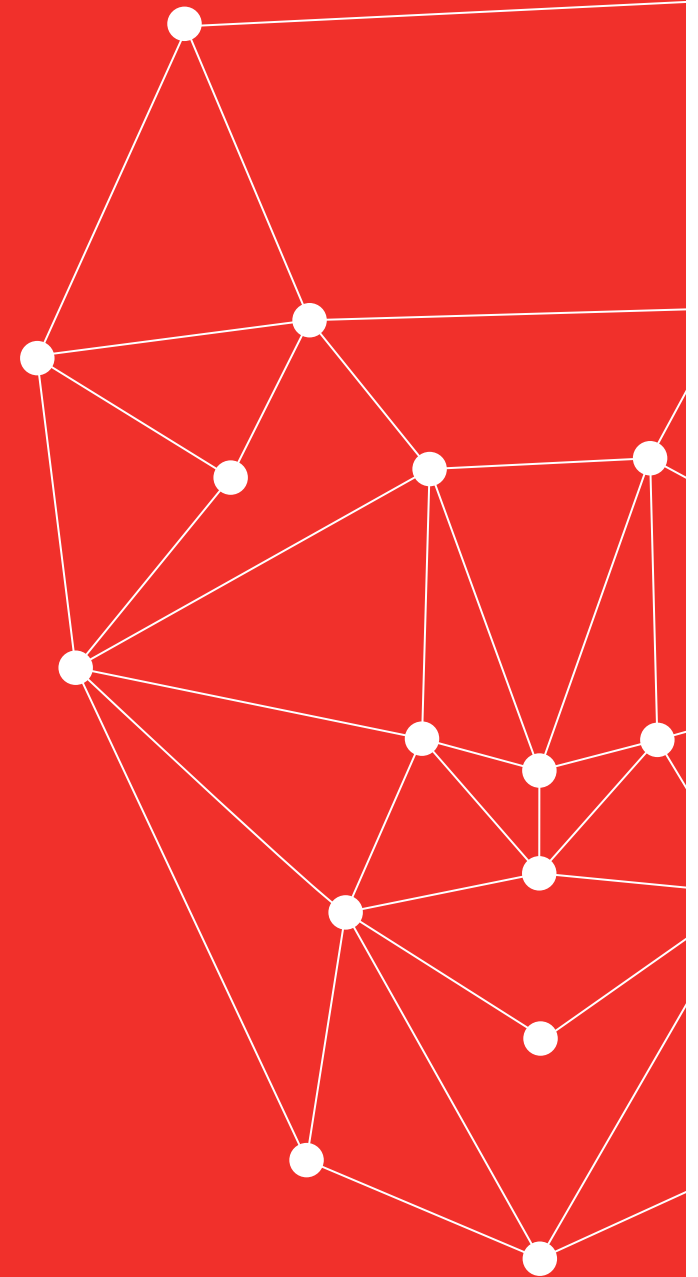
Provision-ISR
Face recognition

Provision-ISR face recognition solutions allow any security manager to quickly identify unauthorized people within a plant and get an immediate notification.

DYNAMIC FACE DETECTION (Camera Side)

A single camera can detect, trace and evaluate 5-10 faces simultaneously, depending on the scene conditions.

FACE RECOGNITION (NVR Side)

The recognition rate reaches 98% if the distance between the pupils is higher than 20 pixels. The NVR face database can store a maximum of 10,000 face pictures.
The NVR supports different triggers and responses upon detection.

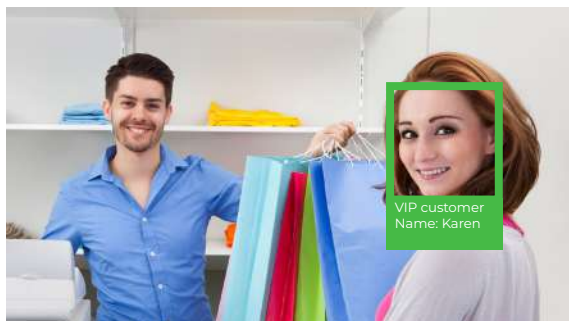## FACE DATABASE FLEXIBLE MANAGEMENT

· The database can be securely exported and imported to other devices.
· New faces can be added to the database through the Provision CAM2 Mobile APP.
· Detected faces can be registered into the face database with a single click. The system will mark the more adequate faces for face recognition.

SEARCH OPTIONS

· Single person / group search
· Possibility to access all the events where a person was recognized.
· Possibility to search new and existing faces using Cam2 Mobile APP.
· Quick backup and playback data export.

TRACKING OPTIONS

After uploading an E-map and positioning all the related cameras over it, you will be able to search for a person. The system will show his track over the map by time order and play the related video playback.

RECOGNITION STATISTICS

The system offers the user a recognition statistic chart by day, week, month, quarter, or any customized period.

Application examples

Face Greetings

Time & attendance

Automated access control

LICENSE PLATE RECOGNITION TECHNOLOGY

Improve safety and mobility.

As the world progresses and services become automated, there is a growing request for computerized systems in automotive-related areas such as gate control, city surveillance, and parking lot management. LPR (License Plate Recognition) is a game-changing technology that stands at the center of all these solutions.

Provision-ISR
License plate recognition

SMART PLATE
LICENSE PLATE RECOGNITION CAMERAS

Provision-ISR technology is backed by over 3 years of LPR analytics research and development. The brand-new Smart Plate cameras can provide the best results in various environmental conditions. Low-light areas, challenging angles, or non-standard characters can cause issues in detecting and capturing license plates. However, Provision-ISR Smart Plate cameras recognize a much higher number of automobile plates, with much higher efficiency than conventional LPR systems. The Smart Plate Series includes 2MP devices able to capture two plates per second and recognize more than 50 international license plates at vehicle speeds of up to 40km/h. The recognition rate reaches 99% in optimal environmental conditions, and that's why we talk about leading industry accuracy.

Industry leading accuracy (99% in optimal conditions)
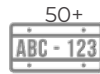
More than 50 international license plates supported

Ability to distinguish relevant signs from irrelevant ones.

Fast reading (2 license plates per second)

Vehicle speed: 0-40 km/h

On-board artificial intelligence based on deep learning algorithms

Built-in SD Card

Excellent night performances

Dedicated parking management software

Application examples

Gate control

Street monitoring and city surveillance

Parking management

Provision-ISR
New case design

Our new design, featuring both the IP and the HD camera range, has become Provision-ISR signature worldwide.
The front red line is the distinctive element making the Provision-ISR case exclusive and easily recognizable.

[UNIBODY CASE]

Innovative

[PROVISION-ISR RED LINE]

Recognizable

[DYNAMIC LINES]

Unique

IP Technology
V2 Series

IP TECHNOLOGY
SMART SOLUTIONS THROUGH THE NETWORK

S-Sight V2

If you are looking for a Simple IP system with excellent performance at a value price, then S-Sight (V2) is your series!

Discover more on page 39

Eye-Sight V2

The Eye-Sight (V2) is for the installer seeking advanced features such as Analytic AI, Face detection, and more.

Discover more on page 47

Smart-Sight

Our brand new Smart-Sight series includes high-performance AI CAMERAS, designed for specific purposes such as Face Recognition, License Plate Recognition, and Perimeter Protection.

Discover more on page 52

Provision-ISR IP range also includes:

- A series of PTZ cameras for wide-area coverage
- A series of SPECIAL CAMERAS specifically designed for non-conventional applications (Fisheye, hidden and PIR cameras)

IP Technology
V2 Series

Comparison based on main features

Have a look at the main differences among S-Sight V2, Eye-Sight V2, and Smart S-Sight.

	Resolution				Video Compression		SD Card		WDR		Star light sensor*		Artificial Intelligence		Alarm*		Audio*		Built In Mic*	
	2MP	4MP	5MP	8MP	H265	H265 SMART	YES	NO	DIGITAL	TRUE	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO
S-SIGHT (V2)	●	●		●	●		●		●			●		●	●		●		●	
EYE-SIGHT (V2)	●	●		●		●	●			●	●		●		●		●		●	
SMART-SIGHT	●		●			●	●			●		●	●		●		●		●	

* only supported models

Comparison based on analytics functions

Have a look at the analytics functions featuring S-Sight V2, Eye-Sight V2, and Smart S-Sight.

	General video analytics		Pixel-based video analytics		AI-based video analytics				
	Camera tampering	Smart search	LIne crossing	Sterile area	DDA Line crossing	DDA Sterile area	DDA Object counting	Face detection	License Plate recognition
S-SIGHT (V2)	●	●	●	●					
EYE-SIGHT (V2)	●	●			●	●	●	●	
SMART-FACE CAMERAS	●	●						●	
SMART-PLATE CAMERAS	●	●							●

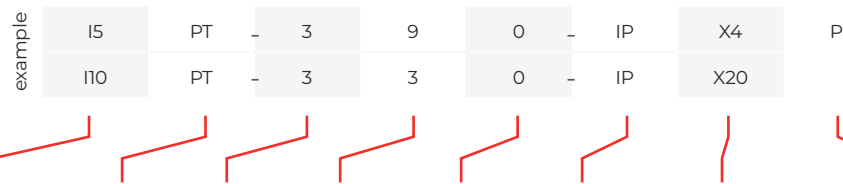# IP V2 Cameras
# Model name index

Bullet / Dome / Turret

example

| D | I | – | 3 | 2 | 0 | – | IPS | VF | – | G |
| I | 4 | – | 3 | 8 | 0 | – | IPS | MVF | | |
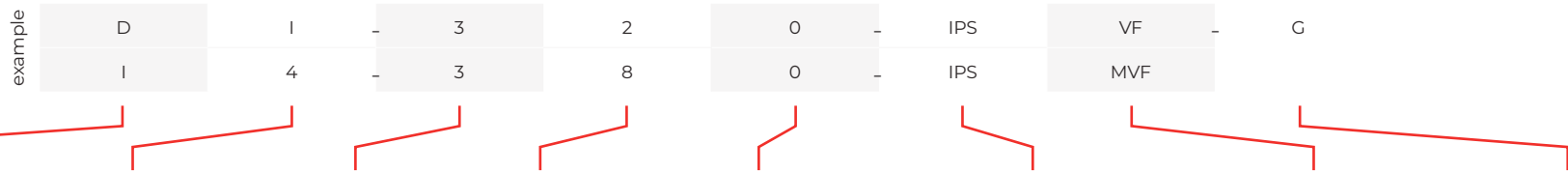
Category		Sub-Category		CMOS		Resolution		LUX		Solution		Lens		Color	
B	Body	X	No sub-categoria	2	~ 1/2"	2	2 MP	0	0 (IR on)	IPS	S-Sight (V2)	28	2.8mm	G	Grey
D	Dome	AI	Anti vandal (IR)	3	~ 1/3"	3	3 MP	1	Below ~ 0.009	IPE	Eye-Sight (V2)	36	3.6mm		
FE	Fish-Eye	C	Pinhole cone shape			4	4 MP	2	0.01 ~ 0.1	IP5	H.265	37	3.7mm		
I	Infra Red (IR) Bullet	I	Infra red (IR)			8	8 MP			WIP5	H.265 Wifi	43	4.3mm		
M	Mini	MA	Mini Anti Vandal							IPSN	Novatek	VF	Vari-focal		
		PT	Pan/Tilt									MVF	Motorized VF (auto focus)		
		2	IR 20 m												
		3	IR 30 m												
		4	IR 40 m												
		6	IR 60 m												

Bullet PTZ

example

| I5 | PT | – | 3 | 9 | 0 | – | IP | X4 | P |
| I10 | PT | – | 3 | 3 | 0 | – | IP | X20 | |

IR distance		Category		CMOS		Resolution		LUX		Solution		Zoom		Special features	
I5	50 m	PT	Pan Tilt	3	~ 1/3"	2	2 MP	0	0(IRon)	IP	IP	X4	x4 zoom	P	POE
I10	100 m					3	3 MP			IPM	MStar	X10	x10 zoom		
						4	4 MP					X20	x20 zoom		

Speed dome

example

| MZ | – | 20 | IP | – | 2 | (IR) |
| Z | – | 30 | IP | – | 3 | (IR) |
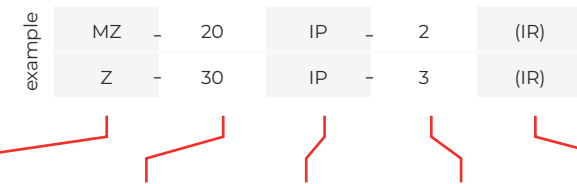
Category		Lens		Solution		Resolution		Special features	
Z	Speed dome	20	x20 zoom	IP/IPE	IP	2	2 MP	(IR)	Infra Red
MZ	Mini Speed dome	30	x30 zoom	IPM	MStar	3	3 MP		

S-sight (V2)

Our new S-SIGHT series provides you with everything you need for a SIMPLE installation.
S-Sight cameras guarantee a superior image quality, improved night performance, and make an outstanding value for money solution.

2MP - 4MP - 8MP

S-Sight (V2) / 2 MP

	DI-320IPS-28	DI-320IPS-VF	DI-320IPS-VF-G	I2-320IPS-28	I4-320IPS-VF
Image sensor	1/2.9" CMOS (16:9)	1/2.9" CMOS (16:9)		1/2.9" CMOS (16:9)	1/2.9" CMOS (16:9)
Effective Pixels	1920x1080	1920x1080		1920x1080	1920x1080
Frame rate	1-25/30FPS	1-25/30FPS		1-25/30FPS	1-25/30FPS
Day/night	ICR	ICR		ICR	ICR
Min. Illumination	Day: 0.1lux / Night: 0.013lux (@F2.0, AGC On) 0lux with IR on	Day: 0.1lux / Night: 0.013lux (@F2.0, AGC On) 0lux with IR on		Day: 0.1lux / Night: 0.013lux (@F2.0, AGC On) 0lux with IR on	Day: 0.1lux / Night: 0.013lux (@F2.0, AGC On) 0lux with IR on
Lens	2.8mm (107°)	2.8-12mm (88°-34.8°)		2.8mm (107°)	2.8-12mm (94°-35.7°)
IR distance	20m (1 High Power IR LED)	40m (3 High Power IR LED)		20m (1 High Power IR LED)	40m (2 High Power IR LED)
Image enhancement	Digital WDR, BLC, HLC, ROI	Digital WDR, BLC, HLC, ROI		Digital WDR, BLC, HLC, ROI	Digital WDR, ROI
Noise reduction	3D-DNR	3D-DNR		3D-DNR	3D-DNR
Privacy mask	Yes	Yes		Yes	Yes
Motion detection	Yes	Yes		Yes	Yes
Standard analytics	Line Crossing, Sterile Area	Line Crossing, Sterile Area		Line Crossing, Sterile Area	Line Crossing, Sterile Area
AI analytics	-	-		-	-
Video compression	H.265	H.265		H.265	H.265
Streams	2	2		2	2
SD card	Up to 128Gb	Up to 128Gb		Up to 128Gb	Up to 128Gb
Audio	Built-In Microphone + 1IN	Built-In Microphone + 1IN		-	-
Alarm	-	-		-	-
Power supply	DC12V/~400mA / PoE/~5.2W	DC12V/~900mA / PoE/~10W		DC12V/~420mA / PoE/~5.4W	DC12V/~780mA / PoE/~7.4W
Working temperature	-30°C~60°C, 10%~90% Humidity	-30°C~60°C, 10%~90% Humidity		-30°C~60°C, 10%~90% Humidity	-30°C~60°C, 10%~90% Humidity
IP Rating	IP 67	IP 67		IP 67	IP 67
Dimensions	Ø97mm×82.6mm	Ø113mm×99.6mm		172.2x73.4x74.5mm	220.8x79.4x81.2mm
Junction box	PR-JB12IP66 - PR-JB12IP64 - PR-WB-A	PR-JB14IP66 - PR-JB14IP64 - PR-WB-A		PR-JB12IP66 - PR-JB12IP64	PR-JB12IP66 - PR-JB12IP64

All models support general analytics functions: Camera Tampering, Smart search.

S-Sight (V2) / 2 MP Novatek

	DI-320IPSN-28	DI-320IPSN-28-G	DI-320IPSN-VF	DI-320IPSN-VF-G	**New** **DI-320IPSN-36**
Image sensor	1/2.9" CMOS (16:9)		1/2.9" CMOS (16:9)		1/2.8" CMOS (16:9)
Effective Pixels	1920x1080		1920x1080		1920x1080
Frame rate	1-25/30FPS		1-25/30FPS		1-25/30FPS
Day/night	ICR		ICR		ICR
Min. Illumination	Day: 0.1lux / Night: 0.013lux (@F2.0, AGC On) 0lux with IR on		Day: 0.1lux / Night: 0.013lux (@F2.0, AGC On) 0lux with IR on		Day: 0.1lux / Night: 0.009lux (@F1.6, AGC On) 0lux with IR on
Lens	2.8mm (107°)		2.8-12mm (88°-34.8°)		3.6mm (87.3°)
IR distance	20m (1 High Power IR LED)		40m (3 High Power IR LED)		20m (1 High Power IR LED)
Image enhancement	Digital WDR, BLC, HLC, ROI		Digital WDR, BLC, HLC, ROI		Digital WDR, BLC, HLC, ROI
Noise reduction	3D-DNR		3D-DNR		3D-DNR
Privacy mask	Yes		Yes		Yes
Motion detection	Yes		Yes		Yes
Standard analytics	Line Crossing, Sterile Area		Line Crossing, Sterile Area		Line Crossing, Sterile Area
AI analytics	-		-		-
Video compression	H.265		H.265		H.265 / H.264 / MJPEG (Sub-Stream Only)
Streams	2		2		2
SD card	Up to 128Gb		Up to 128Gb		Up to 128Gb
Audio	Built-In Microphone + 1IN		Built-In Microphone + 1IN		Built-In Microphone
Alarm	-		-		-
Power supply	DC12V/~400mA / PoE/~5.2W		DC12V/~900mA / PoE/~10W		DC12V/~420mA / PoE/~5.4W
Working temperature	-30°C~60°C, 10%~90% Humidity		-30°C~60°C, 10%~90% Humidity		-30°C~60°C, 10%~90% Humidity
IP Rating	IP 67		IP 67		IP 67
Dimensions	Ø97mm×82.6mm		Ø113mm×99.6mm		Ø97mm×82.6mm
Junction box	PR-JB12IP66 - PR-JB12IP64 - PR-WB-A		PR-JB14IP66 - PR-JB14IP64 - PR-WB-A		PR-JB12IP66 - PR-JB12IP64

All models support general analytics functions: Camera Tampering, Smart search.

S-Sight (V2) / 2 MP Novatek

	I2-320IPSN-28	**New** **I2-320IPSN-36**	**I4-320IPSN-VF**
Image sensor	1/2.9" CMOS (16:9)	1/2.8" CMOS (16:9)	1/2.9" CMOS (16:9)
Effective Pixels	1920x1080	1920x1080	1920x1080
Frame rate	1-25/30FPS	1-25/30FPS	1-25/30FPS
Day/night	ICR	ICR	ICR
Min. Illumination	Day: 0.1lux / Night: 0.013lux (@F2.0, AGC On) 0lux with IR on	Day: 0.1lux / Night: 0.009lux (@F1.6, AGC On) 0lux with IR on	Day: 0.1lux / Night: 0.013lux (@F2.0, AGC On) 0lux with IR on
Lens	2.8mm (107°)	3.6mm (87.3°)	2.8-12mm (94°-35.7°)
IR distance	20m (1 High Power IR LED)	20m (1 High Power IR LED)	40m (2 High Power IR LED)
Image enhancement	Digital WDR, BLC, HLC, ROI	Digital WDR, BLC, HLC, ROI	Digital WDR, ROI
Noise reduction	3D-DNR	3D-DNR	3D-DNR
Privacy mask	Yes	Yes	Yes
Motion detection	Yes	Yes	Yes
Standard analytics	Line Crossing, Sterile Area	Line Crossing, Sterile Area	Line Crossing, Sterile Area
AI analytics	-	-	-
Video compression	H.265	H.265	H.265
Streams	2	2	2
SD card	Up to 128Gb	Up to 128Gb	Up to 128Gb
Audio	-	-	-
Alarm	-	-	-
Power supply	DC12V/~420mA / PoE/~5.4W	DC12V/~420mA / PoE/~5.4W	DC12V/~780mA / PoE/~7.4W
Working temperature	-30°C~60°C, 10%~90% Humidity	-30°C~60°C, 10%~90% Humidity	-30°C~60°C, 10%~90% Humidity
IP Rating	IP 67	IP 67	IP 67
Dimensions	172.2x73.4x74.5mm	172.2x73.4x74.5mm	220.8x79.4x81.2mm
Junction box	PR-JB12IP66 - PR-JB12IP64	PR-JB12IP66 - PR-JB12IP64	PR-JB12IP66 - PR-JB12IP64

All models support general analytics functions: Camera Tampering, Smart search.

S-Sight (V2) / 4 MP

	DI-340IPS-28	DI-340IPS-28-G	DI-340IPS-MVF	DI-340IPS-MVF-G	**New** DI-340IPS-36
Image sensor	1/2.7" CMOS (16:9)		1/2.7" CMOS (16:9)		1/2.7" CMOS (16:9)
Effective Pixels	2560x1440		2560x1440		2560x1440
Frame rate	1-25/30FPS		1-25/30FPS		1-25/30FPS
Day/night	ICR		ICR		ICR
Min. Illumination	Day: 0.1lux / Night: 0.03lux (@F2.0, AGC On) 0lux with IR on		Day: 0.1lux / Night: 0.03lux (@F2.0, AGC On) 0lux with IR on		Day: 0.1lux / Night: 0.04lux (@F2.2, AGC On) 0lux with IR on
Lens	2.8mm (110°)		2.8-12mm MVF with Auto Focus (94°-35.7°)		3.6mm (89°)
IR distance	20m (1 High Power IR LED)		40m (3 High Power IR LED)		20m (1 High Power IR LED)
Image enhancement	Digital WDR, BLC, HLC, ROI		Digital WDR, BLC, HLC, ROI		Digital WDR, BLC, HLC, ROI
Noise reduction	3D-DNR		3D-DNR		3D-DNR
Privacy mask	Yes		Yes		Yes
Motion detection	Yes		Yes		Yes
Standard analytics	Line Crossing, Sterile Area		Line Crossing, Sterile Area		Line Crossing, Sterile Area
AI analytics	-		-		-
Video compression	H.265		H.265		H.265
Streams	3		3		3
SD card	Up to 128Gb		Up to 128Gb		Up to 128Gb
Audio	Built-In Microphone + 1IN		Built-In Microphone + 1IN		Built-In Microphone
Alarm	-		-		-
Power supply	DC12V/~400mA / PoE/~5.2W		DC12V/~900mA / PoE/~10W		DC12V/~400mA / PoE/~5.2W
Working temperature	-30°C~60°C, 10%~90% Humidity		-30°C~60°C, 10%~90% Humidity		-30°C~60°C, 10%~90% Humidity
IP Rating	IP 67		IP 67		IP 67
Dimensions	Ø97mm×82.6mm		Ø113mm×99.6mm		Ø97mm×82.6mm
Junction box	PR-JB12IP66 - PR-JB12IP64 - PR-WB-A		PR-JB14IP66 - PR-JB14IP64 - PR-WB-A		PR-JB12IP66 - PR-JB12IP64 - PR-WB-A

All models support general analytics functions: Camera Tampering, Smart search.

S-Sight (V2) / 4 MP

	I2-340IPS-28	**New** I2 -340IPS-36	I4-340IPS-MVF
Image sensor	1/2.7" CMOS (16:9)	1/2.7" CMOS (16:9)	1/2.7" CMOS (16:9)
Effective Pixels	2560x1440	2560x1440	2560x1440
Frame rate	1-25/30FPS	1-25/30FPS	1-25/30FPS
Day/night	ICR	ICR	ICR
Min. Illumination	Day: 0.1lux / Night: 0.03lux (@F2.0, AGC On) 0lux with IR on	Day: 0.1lux / Night: 0.04lux (@F2.2, AGC On) 0lux with IR on	Day: 0.1lux / Night: 0.03lux (@F2.0, AGC On) 0lux with IR on
Lens	2.8mm (110°)	3.6mm (89°)	2.8-12mm MVF with Auto Focus (94°-35.7°)
IR distance	20m (1 High Power IR LED)	20m (1 High Power IR LED)	40m (2 High Power IR LED)
Image enhancement	Digital WDR, BLC, HLC, ROI	Digital WDR, BLC, HLC, ROI	Digital WDR, BLC, HLC, ROI
Noise reduction	3D-DNR	3D-DNR	3D-DNR
Privacy mask	Yes	Yes	Yes
Motion detection	Yes	Yes	Yes
Standard analytics	Line Crossing, Sterile Area	Line Crossing, Sterile Area	Line Crossing, Sterile Area
AI analytics	-	-	-
Video compression	H.265	H.265	H.265
Streams	3	3	3
SD card	Up to 128Gb	Up to 128Gb	Up to 128Gb
Audio	-	-	-
Alarm	-	-	-
Power supply	DC12V/~420mA / PoE/~5.4W	DC12V/~420mA / PoE/~5.4W	DC12V/~780mA / PoE/~7.4W
Working temperature	-30°C~60°C, 10%~90% Humidity	-30°C~60°C, 10%~90% Humidity	-30°C~60°C, 10%~90% Humidity
IP Rating	IP 67	IP 67	IP 67
Dimensions	172.2x73.4x74.5mm	172.2x73.4x74.5mm	220.8x79.4x81.2mm
Junction box	PR-JB12IP66 - PR-JB12IP64	PR-JB12IP66 - PR-JB12IP64	PR-JB12IP66 - PR-JB12IP64

All models support general analytics functions: Camera Tampering, Smart search.

S-Sight (V2) / 8 MP

	DI-380IPS-28	DI-380IPS-MVF	I4-380IPS-28	I4-380IPS-MVF
Image sensor	1/2.7" CMOS (16:9)	1/2.7" CMOS (16:9)	1/2.7" CMOS (16:9)	1/2.7" CMOS (16:9)
Effective Pixels	3840x2160	3840x2160	3840x2160	3840x2160
Frame rate	1-20FPS	1-20FPS	1-20FPS	1-20FPS
Day/night	ICR	ICR	ICR	ICR
Min. Illumination	0.09 lux (@F2.0, AGC ON) 0 lux with IR on	0.11 lux (@F1.4, AGC ON) 0 lux with IR on	0.09 lux (@F2.0, AGC ON) 0 lux with IR on	0.11 lux (@F1.4, AGC ON) 0 lux with IR on
Lens	2.8mm (112°)	2.8-12mm MVF with Auto Focus (102.7°- 32.2°)	2.8mm (112°)	2.8-12mm MVF with Auto Focus (102.7°- 32.2°)
IR distance	20m (1 High Power IR LED)	40m (3 High Power IR LED)	40m (2 High Power IR LED)	40m (2 High Power IR LED)
Image enhancement	Digital WDR, BLC, HLC, ROI	Digital WDR, BLC, HLC, ROI	Digital WDR, BLC, HLC, ROI	Digital WDR, BLC, HLC, ROI
Noise reduction	3D-DNR	3D-DNR	3D-DNR	3D-DNR
Privacy mask	Yes	Yes	Yes	Yes
Motion detection	Yes	Yes	Yes	Yes
Standard analytics	Line Crossing, Sterile Area	Line Crossing, Sterile Area	Line Crossing, Sterile Area	Line Crossing, Sterile Area
AI analytics	-	-	-	-
Video compression	H.265 / H.264	H.265 / H.264	H.265 / H.264	H.265 / H.264
Streams	3	3	3	3
SD card	Up to 128Gb	Up to 128Gb	Up to 128Gb	Up to 128Gb
Audio	Built-In Microphone + 1IN	Built-In Microphone + 1IN	1 IN	1 IN
Alarm	-	-	-	-
Power supply	DC12V/~400mA / PoE/~5.2W	DC12V/~900mA / PoE/~10W	DC12V/~420mA / PoE/~5.4W	DC12V/~780mA / PoE/~7.4W
Working temperature	-30°C~60°C, 10%~90% Humidity	-30°C~60°C, 10%~90% Humidity	-30°C~60°C, 10%~90% Humidity	-30°C~60°C, 10%~90% Humidity
IP Rating	IP 67	IP 67	IP 67	IP 67
Dimensions	Ø97mm×82.6mm	Ø113mm×99.6mm	220.8x79.4x81.2mm	220.8x79.4x81.2mm
Junction box	PR-JB12IP66 - PR-JB12IP64 - PR-WB-A	PR-JB14IP66 - PR-JB14IP64 - PR-WB-A	PR-JB12IP66 - PR-JB12IP64	PR-JB12IP66 - PR-JB12IP64

All models support general analytics functions: Camera Tampering, Smart search.

Eye-sight (V2)

The new Eye-Sight series is aimed at the security professionals seeking for a PROFESSIONAL LINE featuring outstanding image quality, full connectivity, and enhanced video analytics functions based on ARTIFICIAL INTELLIGENCE.
Face detection and object detection have been added to all the EYE-SIGHT cameras and run on a new generation and powerful AI CPU designed for this purpose.

Featuring

AI   2MP - 4MP - 8MP

IP

Eye-Sight (V2) / 2 MP

	DAI-320IPE-28	DAI-320IPE-MVF	DI-320IPE-28	DI-320IPE-MVF
Image sensor	1/2.8" CMOS (16:9)	1/2.8" CMOS (16:9)	1/2.8" CMOS (16:9)	1/2.8" CMOS (16:9)
Effective Pixels	1920x1080	1920x1080	1920x1080	1920x1080
Frame rate	1-25/30FPS	1-25/30FPS	1-25/30FPS	1-25/30FPS
Day/night	ICR	ICR	ICR	ICR
Min. Illumination	Day: 0.1lux / Night: 0.005lux (@F1.6, AGC On) 0lux with IR on	Day: 0.1lux / Night: 0.005lux (@F1.6, AGC On) 0lux with IR on	Day: 0.1lux / Night: 0.005lux (@F1.6, AGC On) 0lux with IR on	Day: 0.1lux / Night: 0.005lux (@F1.6, AGC On) 0lux with IR on
Lens	2.8mm (108°)	2.8-12mm MVF with Auto Focus (103°-32°)	2.8mm (108°)	2.8-12mm MVF with Auto Focus (103°-32°)
IR distance	20m (3 High Power IR LED)	40m (2 High Power IR LED)	20m (1 High Power IR LED)	40m (3 High Power IR LED)
Image enhancement	True WDR (120dB), BLC, HLC, ROI	True WDR (120dB), BLC, HLC, ROI	True WDR (120dB), BLC, HLC, ROI	True WDR (120dB), BLC, HLC, ROI
Noise reduction	3D-DNR	3D-DNR	3D-DNR	3D-DNR
Privacy mask	Yes	Yes	Yes	Yes
Motion detection	Yes	Yes	Yes	Yes
Standard analytics	-	-	-	-
AI analytics	DDA* + Face Detection	DDA* + Face Detection	DDA* + Face Detection	DDA* + Face Detection
Video compression	H.265 smart	H.265 smart	H.265 smart	H.265 smart
Streams	3	3	3	3
SD card	Up to 128Gb	Up to 128Gb	Up to 128Gb	Up to 128Gb
Audio	Built-in Microphone + 1 IN	Built-in Microphone + 1 IN + 1 OUT	Built-in Microphone + 1 IN	Built-in Microphone + 1 IN
Alarm	1 IN + 1 OUT	1 IN + 1 OUT	-	-
Power supply	DC12V/~620mA / PoE/~6.3W	DC12V/~780mA / PoE/~7.4W	DC12V/~400mA / PoE/~5.2W	DC12V/~900mA / PoE/~10W
Working temperature	-30°C~60°C, 10%~90% Humidity	-30°C~60°C, 10%~90% Humidity	-30°C~60°C, 10%~90% Humidity	-30°C~60°C, 10%~90% Humidity
IP Rating	IP 67 / IK10	IP 67 / IK10	IP 67	IP 67
Dimensions	Ø119x87.8mm	Ø140.9x100.3mm	Ø97mm×82.6mm	Ø113mm×99.6mm
Junction box	PR-JB12IP66 - PR-WB-A	PR-JB14IP66	PR-JB12IP66 - PR-JB12IP64 - PR-WB-A	PR-JB14IP66 - PR-JB14IP64 - PR-WB-A

DDA VIDEO ANALYTICS DETECT · DISTINGUISH · ALERT
*DDA Line crossing
DDA Sterile area
DDA Object counting

All models support general analytics functions: Camera Tampering, Smart search.

Eye-Sight (V2) / 2 MP

	DMA-320IPE-28	I4-320IPE-36	I4-320IPE-MVF	I6-320IPE-MVF
Image sensor	1/2.8" CMOS (16:9)	1/2.8" CMOS (16:9)	1/2.8" CMOS (16:9)	1/2.8" CMOS (16:9)
Effective Pixels	1920x1080	1920x1080	1920x1080	1920x1080
Frame rate	1-25/30FPS	1-25/30FPS	1-25/30FPS	1-25/30FPS
Day/night	ICR	ICR	ICR	ICR
Min. Illumination	Day: 0.1lux / Night: 0.005lux (@F1.6, AGC On) 0lux with IR on	Day: 0.1lux / Night: 0.005lux (@F1.6, AGC On) 0lux with IR on	Day: 0.1lux / Night: 0.005lux (@F1.6, AGC On) 0lux with IR on	Day: 0.1lux / Night: 0.005lux (@F1.6, AGC On) 0lux with IR on
Lens	2.8mm (108°)	3.6mm Fixed Lens (89°)	2.8-12mm MVF with Auto Focus (103°-32°)	2.8-12mm MVF with Auto Focus (103°-32°)
IR distance	10m (2 High Power IR LED)	40m (2 High Power IR LED)	40m (2 High Power IR LED)	60m (4 High Power IR LED)
Image enhancement	True WDR (120dB), BLC, HLC, ROI	True WDR (120dB), BLC, HLC, ROI	True WDR (120dB), BLC, HLC, ROI	True WDR (120dB), BLC, HLC, ROI
Noise reduction	3D-DNR	3D-DNR	3D-DNR	3D-DNR
Privacy mask	Yes	Yes	Yes	Yes
Motion detection	Yes	Yes	Yes	Yes
Standard analytics	-	-	-	-
AI analytics	DDA* + Face Detection	DDA* + Face Detection	DDA* + Face Detection	DDA* + Face Detection
Video compression	H.265 smart	H.265 smart	H.265 smart	H.265 smart
Streams	3	3	3	3
SD card	Up to 128Gb	Up to 128Gb	Up to 128Gb	Up to 128Gb
Audio	Built-in Microphone + 1 IN	1 IN	1 IN	1 IN + 1 OUT
Alarm	-	-	-	1 IN + 1 OUT
Power supply	DC12V/~340mA / PoE/~4.7W	DC12V/~780mA / PoE/~7.4W	DC12V/~780mA / PoE/~7.4W	DC12V/~910mA / PoE/~8.2W
Working temperature	-30°C~50°C, 10%~90% Humidity	-30°C~60°C, 10%~90% Humidity	-30°C~60°C, 10%~90% Humidity	-30°C~60°C, 10%~90% Humidity
IP Rating	IK10	IP 67	IP 67	IP 67
Dimensions	Ø110mm×57.8mm	220.8x79.4x81.2mm	220.8x79.4x81.2mm	271.8x92.4x79.4mm
Junction box	PR-B10BJB - PR-WB-A	PR-JB12IP66 - PR-JB12IP64	PR-JB12IP66 - PR-JB12IP64	PR-JB14IP66 - PR-JB14IP64

DDA VIDEO ANALYTICS
DETECT · DISTINGUISH · ALERT

*DDA Line crossing
DDA Sterile area
DDA Object counting

All models support general analytics functions: Camera Tampering, Smart search.

Eye-Sight (V2) / 4 MP

	DAI-340IPE-28	DAI-340IPE-MVF	DI-340IPE-28	DI-340IPE-28-G	DI-340IPE-MVF
Image sensor	1/3" CMOS (16:9)	1/3" CMOS (16:9)	1/3" CMOS (16:9)		1/3" CMOS (16:9)
Effective Pixels	2592X1520	2592X1520	2592X1520		2592X1520
Frame rate	1-25/30FPS In Normal Mode. 1-50/60FPS in HFR Mode	1-25/30FPS In Normal Mode. 1-50/60FPS in HFR Mode	1-25/30FPS In Normal Mode. 1-50/60FPS in HFR Mode		1-25/30FPS In Normal Mode. 1-50/60FPS in HFR Mode
Day/night	ICR	ICR	ICR		ICR
Min. Illumination	Day: 0.1lux / Night: 0.005lux (@F1.6, AGC On) 0lux with IR on	Day: 0.1lux / Night: 0.005lux (@F1.6, AGC On) 0lux with IR on	Day: 0.1lux / Night: 0.005lux (@F1.6, AGC On) 0lux with IR on		Day: 0.1lux / Night: 0.005lux (@F1.6, AGC On) 0lux with IR on
Lens	2.8mm (100°)	2.8-12mm MVF with Auto Focus (94.3°-29.9°)	2.8mm (100°)		2.8-12mm MVF with Auto Focus (94.3°-29.9°)
IR distance	20m (3 High Power IR LED)	40m (2 High Power IR LED)	20m (1 High Power IR LED)		40m (3 High Power IR LED)
Image enhancement	True WDR (120dB), BLC, HLC, ROI	True WDR (120dB), BLC, HLC, ROI	True WDR (120dB), BLC, HLC, ROI		True WDR (120dB), BLC, HLC, ROI
Noise reduction	3D-DNR	3D-DNR	3D-DNR		3D-DNR
Privacy mask	Yes	Yes	Yes		Yes
Motion detection	Yes	Yes	Yes		Yes
Standard analytics	-	-	-		-
AI analytics	DDA* + Face Detection	DDA* + Face Detection	DDA* + Face Detection		DDA* + Face Detection
Video compression	H.265 smart	H.265 smart	H.265 smart		H.265 smart
Streams	3	3	3		3
SD card	Up to 128Gb	Up to 128Gb	Up to 128Gb		Up to 128Gb
Audio	Built-in Microphone + 1 IN	Built-in Microphone + 1 IN + 1 OUT	Built-in Microphone + 1 IN		Built-in Microphone + 1 IN
Alarm	1 IN + 1 OUT	1 IN + 1 OUT	-		-
Power supply	DC12V/~620mA / PoE/~6.3W	DC12V/~780mA / PoE/~7.4W	DC12V/~400mA / PoE/~5.2W		DC12V/~900mA / PoE/~10W
Working temperature	-30°C~60°C, 10%~90% Humidity	-30°C~60°C, 10%~90% Humidity	-30°C~60°C, 10%~90% Humidity		-30°C~60°C, 10%~90% Humidity
IP Rating	IP 67 / IK10	IP 67 / IK10	IP 67		IP 67
Dimensions	Ø119x87.8mm	Ø140.9x100.3mm	Ø97mm×82.6mm		Ø113mm×99.6mm
Junction box	PR-JB12IP66 - PR-WB-A	PR-JB14IP66	PR-JB12IP66 - PR-JB12IP64 - PR-WB-A		PR-JB14IP66 - PR-JB14IP64 - PR-WB-A

DDA VIDEO ANALYTICS — DETECT · DISTINGUISH · ALERT

*DDA Line crossing
DDA Sterile area
DDA Object counting

All models support general analytics functions: Camera Tampering, Smart search.

Eye-Sight (V2) / 4 MP

	DMA-340IPE-28	I4-340IPE-36	I4-340IPE-MVF	I6-340IPE-MVF
Image sensor	1/3" CMOS (16:9)	1/3" CMOS (16:9)	1/3" CMOS (16:9)	1/3" CMOS (16:9)
Effective Pixels	2592X1520	2592X1520	2592X1520	2592X1520
Frame rate	1-25/30FPS In Normal Mode. 1-50/60FPS in HFR Mode	1-25/30FPS In Normal Mode. 1-50/60FPS in HFR Mode	1-25/30FPS In Normal Mode. 1-50/60FPS in HFR Mode	1-25/30FPS In Normal Mode. 1-50/60FPS in HFR Mode
Day/night	ICR	ICR	ICR	ICR
Min. Illumination	Day: 0.1lux / Night: 0.005lux (@F1.6, AGC On) 0lux with IR on	Day: 0.1lux / Night: 0.005lux (@F1.6, AGC On) 0lux with IR on	Day: 0.1lux / Night: 0.005lux (@F1.6, AGC On) 0lux with IR on	Day: 0.1lux / Night: 0.005lux (@F1.6, AGC On) 0lux with IR on
Lens	2.8mm (100°)	3.6mm Fixed Lens (80.6°)	2.8-12mm MVF with Auto Focus (94.3°-29.9°)	2.8-12mm MVF with Auto Focus (94.3°-29.9°)
IR distance	10m (2 High Power IR LED)	40m (2 High Power IR LED)	40m (2 High Power IR LED)	60m (4 High Power IR LED)
Image enhancement	True WDR (120dB), BLC, HLC, ROI	True WDR (120dB), BLC, HLC, ROI	True WDR (120dB), BLC, HLC, ROI	True WDR (120dB), BLC, HLC, ROI
Noise reduction	3D-DNR	3D-DNR	3D-DNR	3D-DNR
Privacy mask	Yes	Yes	Yes	Yes
Motion detection	Yes	Yes	Yes	Yes
Standard analytics	-	-	-	-
AI analytics	DDA* + Face Detection	DDA* + Face Detection	DDA* + Face Detection	DDA* + Face Detection
Video compression	H.265 smart	H.265 smart	H.265 smart	H.265 smart
Streams	3	3	3	3
SD card	Up to 128Gb	Up to 128Gb	Up to 128Gb	Up to 128Gb
Audio	Built-in Microphone + 1 IN	1 IN	1 IN	1 IN + 1 OUT
Alarm	-	-	-	1 IN + 1 OUT
Power supply	DC12V/~340mA / PoE/~4.7W	DC12V/~780mA / PoE/~7.4W	DC12V/~780mA / PoE/~7.4W	DC12V/~910mA / PoE/~8.2W
Working temperature	-30°C~50°C, 10%~90% Humidity	-30°C~60°C, 10%~90% Humidity	-30°C~60°C, 10%~90% Humidity	-30°C~60°C, 10%~90% Humidity
IP Rating	IK10	IP 67	IP 67	IP 67
Dimensions	Ø110mm×57.8mm	220.8x79.4x81.2mm	220.8x79.4x81.2mm	271.8x92.4x79.4mm
Junction box	PR-B10BJB - PR-WB-A	PR-JB12IP66 - PR-JB12IP64	PR-JB12IP66 - PR-JB12IP64	PR-JB14IP66 - PR-JB14IP64

*DDA Line crossing
DDA Sterile area
DDA Object counting

All models support general analytics functions: Camera Tampering, Smart search.

Eye-Sight (V2) / 8 MP

	DAI-380IPE-MVF	DI-380IPE-MVF	I6-380IPE-MVF
Image sensor	1/2.8" CMOS (16:9)	1/3" CMOS (16:9)	1/2.8" CMOS (16:9)
Effective Pixels	3840x2160	3840x2160	3840x2160
Frame rate	8MP @ 1-20FPS, 6MP @ 1-20FPS, 5MP @ 1-25/30, 4MP @ 1-25/30, 2MP 1-25/30 in normal mode 1-50/60FPS in HFR Mode	8MP @ 1-20FPS, 6MP @ 1-20FPS, 5MP @ 1-25/30, 4MP @ 1-25/30, 2MP 1-25/30 in normal mode 1-50/60FPS in HFR Mode	8MP @ 1-20FPS, 6MP @ 1-20FPS, 5MP @ 1-25/30, 4MP @ 1-25/30, 2MP 1-25/30 in normal mode 1-50/60FPS in HFR Mode
Day/night	ICR	ICR	ICR
Min. Illumination	0.015 lux (@F1.4, AGC ON) 0 lux with IR on	0.015 lux (@F1.4, AGC ON) 0 lux with IR on	0.015 lux (@F1.4, AGC ON) 0 lux with IR on
Lens	2.8-12mm MVF with Auto Focus (96°- 32°)	2.8-12mm MVF with Auto Focus (96°- 32°)	2.8-12mm MVF with Auto Focus (96°- 32°)
IR distance	40m (2 High Power IR LED)	40m (3 High Power IR LED)	60m (4 High Power IR LED)
Image enhancement	True WDR (120dB), BLC, HLC, ROI	True WDR (120dB), BLC, HLC, ROI	True WDR (120dB), BLC, HLC, ROI
Noise reduction	3D-DNR	3D-DNR	3D-DNR
Privacy mask	Yes	Yes	Yes
Motion detection	Yes	Yes	Yes
Standard analytics	-	-	-
AI analytics	DDA* + Face Detection	DDA* + Face Detection	DDA* + Face Detection
Video compression	H.265 / H.264	H.265 / H.264	H.265 / H.264
Streams	3	3	3
SD card	Up to 128Gb	Up to 128Gb	Up to 128Gb
Audio	Built-in Microphone + 1 IN + 1 OUT	Built-in Microphone + 1 IN	1 IN + 1 OUT
Alarm	1 IN + 1 OUT	-	1 IN + 1 OUT
Power supply	DC12V/~780mA / PoE/~7.4W	DC12V/~910mA / PoE/~8.2W	DC12V/~910mA / PoE/~8.2W
Working temperature	-30°C~60°C, 10%~90% Humidity	-30°C~60°C, 10%~90% Humidity	-30°C~60°C, 10%~90% Humidity
IP Rating	IP 67	IP 67	IP 67
Dimensions	Ø140.9x100.3mm	Ø113mm×99.6mm	271.8x92.4x79.4mm
Junction box	PR-JB14IP66	PR-JB14IP66 - PR-JB14IP64 - PR-WB-A	PR-JB14IP66 - PR-JB14IP64

DDA VIDEO ANALYTICS DETECT · DISTINGUISH · ALERT

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Smart-sight

Our brand new SMART-SIGHT SERIES includes high-performance AI CAMERAS, designed for specific purposes and applications.

SMART-PLATE - LPR Cameras
SMART-FACE - Face Recognition Cameras
SMART-ALERT - Perimeter Cameras (coming soon)

All the components beginning with the sensor, the optics, the CPU, and even the lighting, were specially selected to deliver the most accurate AI results for the required application.

VIDEO ANALYTICS:
Artificial intelligence

IP

LPR cameras / 2 MP

	I6-320LPR-MVF1	I6-320LPR-MVF2
Image sensor	1 / 2.8" CMOS	1 / 2.8" CMOS
Effective Pixels	1920x1080	1920x1080
Frame rate	1-25/30FPS In Normal Mode 1-50/60FPS in HFR Mode***	1-25/30FPS In Normal Mode 1-50/60FPS in HFR Mode***
Day/night	ICR	ICR
Min. Illumination	Day: 0.1lux / Night: 0.005lux (@F1.6, AGC On) 0lux with IR on	Day: 0.1lux / Night: 0.005lux (@F1.6, AGC On) 0lux with IR on
Lens	2.8-12mm MVF(103.4°-32.4°)	7-22mm MVF (44°-17.6°)
IR distance	60m (4 High Power IR LED)	60m (4 High Power IR LED)
Image enhancement	True WDR(120dB), BLC, HLC, ROI	True WDR(120dB), BLC, HLC, ROI
Noise reduction	3D-DNR	3D-DNR
Privacy mask	Yes	Yes
Motion detection	Yes	Yes
Standard analytics	Camera Tampering	Camera Tampering
AI analytics	LPR: License plate recognition	LPR: License plate recognition
Video compression	H.265S/H.264S*, H.265+/H.264+/H.265/H.264, MJPEG**	H.265S/H.264S*, H.265+/H.264+/H.265/H.264, MJPEG**
Streams	3	3
SD card	Event/Schedule based Main/Sub-Stream recording (Up to 128Gb)	Event/Schedule based Main/Sub-Stream recording (Up to 128Gb)
Audio	Two-way Audio	Two-way Audio
Alarm	1 IN + 1 OUT	1 IN + 1 OUT
Power supply	DC12V/~910mA / PoE/~11W	DC12V/~910mA / PoE/~11W
Working temperature	-30°C~60°C, 10%~90% Humidity	-30°C~60°C, 10%~90% Humidity
IP Rating	IP67	IP67
Dimensions	271.8x92.4x79.4mm	271.8x92.4x79.4mm
Junction box	PR-JB14IP66 - PR-JB14IP64	PR-JB14IP66 - PR-JB14IP64

LPR Database: 10,000 Plates - LPR detection speed: 0-40Km/h.

*Main-Streams Only, **Sub-Streams Only, *** No true-WDR

Face recognition cameras / 2MP

	BX-321FR	**DW-320FR-MVF2**	**TW-320FR-MVF2**
Image sensor	1/2.8" CMOS (16:9)	1/2.8" CMOS (16:9)	1/2.8" CMOS (16:9)
Effective Pixels	1920x1080	1920x1080	1920x1080
Frame rate	1-25/30FPS In Normal Mode. 1-50/60FPS in HFR Mode	1-25/30FPS In Normal Mode. 1-50/60FPS in HFR Mode	1-25/30FPS In Normal Mode. 1-50/60FPS in HFR Mode
Day/night	ICR	ICR	ICR
Min. Illumination	Day: 0.0026lux / Night: 0.001lux(@F1.4, AGC On)	Day: 0.0026lux / Night: 0.001lux(@F1.4, AGC On)	Day: 0.0026lux / Night: 0.001lux(@F1.4, AGC On)
Lens	CS MOUNT	7-22mm MVF with Auto Focus (44°- 17.6°)	7-22mm MVF with Auto Focus (44°- 17.6°)
IR distance	-	10m white led light	10m white led light
Image enhancement	True WDR (120dB), BLC, HLC, ROI	True WDR (120dB), BLC, HLC, ROI	True WDR (120dB), BLC, HLC, ROI
Noise reduction	3D-DNR	3D-DNR	3D-DNR
Privacy mask	Yes	Yes	Yes
Motion detection	Yes	Yes	Yes
Standard analytics	Camera Tampering	Camera Tampering	Camera Tampering
AI analytics	Face Detection, Face Recognition***	Face Detection, Face Recognition***	Face Detection, Face Recognition***
Video compression	H.265 / H.264 / MJPEG**	H.265 / H.264 / MJPEG**	H.265 / H.264 / MJPEG**
Streams	1920x1080(1~30fps) / 1280x720(1~30fps) / D1(1~30fps) / CIF(1~30fps) / 480x240(1~30fps) / QCIF(1~30fps)	1920x1080(1~30fps) / 1280x720(1~30fps) / D1(1~30fps) / CIF(1~30fps) / 480x240(1~30fps) / QCIF(1~30fps)	1920x1080(1~30fps) / 1280x720(1~30fps) / D1(1~30fps) / CIF(1~30fps) / 480x240(1~30fps) / QCIF(1~30fps)
SD card	Support Event recording over TF (128GB Max)	Support Event recording over TF (128GB Max)	Support Event recording over TF (128GB Max)
Audio	Two-way Audio	One-way Audio	Two-way audio
Alarm	2 Alarm in + 2 Alarm Out	-	Alarm in + Alarm Out
Power supply	DC12V~320mA / AC24V~160mA / PoE~6W	DC12V~320mA / AC24V~160mA / PoE~6W	DC12V~320mA / AC24V~160mA / PoE~6W
Working temperature	-10C°~50C°, 10%~90% Humidity	-10C°~50C°, 10%~90% Humidity	-10C°~50C°, 10%~90% Humidity
IP Rating	-	IP67	IP67
Dimensions	79×153×64mm	Ø11.5mm×99.6mm	279.5x100.3x88.9mm
Junction box	-	PR-JB14IP66 - PR-JB14IP64 - PR-WB-A	PR-JB14IP66 - PR-JB14IP64

**Sub-Streams Only, ***Future development

IP Special Cameras

	MC-392IP543	FEI-360IP5 V2	**New** IV-320IP-37	BX-291IP5	BX-341IPE
Image sensor	1/1.3" CMOS – 2MP (16:9)	1/2.9" CMOS – 6MP	1/2.8" CMOS (16:9)	1/1.9" CMOS – 2MP (16:9)	1 / 3" CMOS (16:9)
Effective Pixels	1920x1080	2160x2160	1920x1080	1920x1080	2592x1944 @25/30 FPS HFR*: 1-50/60FPS (Max.1080P & D-WDR)
Frame rate	1-25/30FPS	1-25/30FPS	1-25/30FPS	1-25/30FPS	1-25/30FPS In Normal Mode. 1-50/60FPS in HFR Mode.
Day/night	-	ICR	ICR	ICR	ICR
Min. Illumination	Day: 0.04Lux-Night: 0.01Lux	Day: 0.04Lux-Night: 0.01Lux 0lux IR ON	Day: 0.1lux / Night: 0.007 lux@ F2.0,AGC ON; 0 lux with IR on	Day: 0.0028Lux-Night: 0.0003Lux	Day: 0.0028lux / Night: 0.001lux (@ F1.2, AGC On)
Lens	4,3 mm (62°)	1.07 mm (360° ceiling mount 180° wall mount)	3.7mm	CS Mount	CS Mount
IR distance	-	15 m (6 High power IR LED wide angle)	10m (20 Invisible IR LED)	-	-
Image enhancement	Digital WDR, BLC/HLC/ROI	Digital WDR, BLC/HLC/ROI	DWDR, BLC, HLC, ROI	True WDR (120dB), BLC/HLC/ROI	True WDR (120dB, HFR Disabled), BLC/HLC/ROI
Noise reduction	3D-DNR	3D-DNR	3D-DNR	3D-DNR	3D-DNR
Privacy mask	Yes	Yes	Yes	Yes	Yes
Motion detection	Yes	Yes	Yes	Yes	Yes
Standard analytics	-	-	Yes	Yes	-
AI analytics	-	-	-	Face Detection	DDA* + Face Detection
Video compression	H.264-H265	H.264-H265	H.265 / H.264 / MJPEG (Sub-Stream Only)	H.264-H265	H.264-H265
Streams	2	3	2	3	3
SD card	Up to 128 Gb (Micro SD)	Up to 128 Gb (Micro SD)	Up to 128 Gb (Micro SD)	Up to 128 Gb (Micro SD)	Up to 128 Gb (Micro SD)
Audio	Built-in Microphone	Built-in Microphone + 1 IN + 1 OUT	One-way Audio	1 IN - 1 OUT	Built-in Microphone + 1 IN - 1 OUT
Alarm	-	1 IN - 1 OUT	-	1 IN - 1 OUT	2 IN - 2OUT
Power supply	DC12V-150mA	DC12V-300mA / PoE-3W	DC12V/~420mA / PoE-4.8W	DC12V-320mA/AC24V-160mA/PoE-6W	DC12V~320mA / AC24V~160mA / PoE~6W
Working temperature	-10°-50°C	-20°C~50°C, 10%~90% Humidity	-20°C~50°C, 10%~90% Humidity	-10°-50°C	-10°~50°C, 10%~90% Humidity
IP Rating	-	IK10	-	-	-
Dimensions	30mm×30mm×29.5mm	d. 130mm×41mm	95x69.5x58mm	70mm45mmx60mm	79W × 160.8D × 64H mm
Junction box	-	-	-	-	-

IV-390IP537, BX-291IP5 and BX-341IPE support general analytics functions: Camera Tampering, Smart search.

Wireless security camera

Wireless cameras have become extremely popular with their ability to be placed anywhere without worrying about wires or existing network infrastructure.

The new Provision-ISR WiFi camera comes with five main benefits:

· No cable is required
· Long distance and reliable WiFi Connectivity
· Plug&Play: a single click pairing of the camera and the repeater.
· Voice status indication
· Great quality/price ratio

Connection Diagram

ONVIF NVR

Network Switch

Provision Wireless Camera

Press to Pair

WR-04IPC-V2

WIFI	802.11 b/g/n 2.4G
Capacity	4 wireless IPC
LEDS	5 status LED, 4 status LED IPC, 1 status LED NVR.
Interface	1 x RJ45 100Mbits network interface
	1 x Match/Reset button
	1 x 12V power supply
Dimensions	186mm×74mm×31mm

I3-330WIP536 Must be paired with WR-04IPC-V2 adapting unit in order to work with Provision-ISR NVR

New
I3-330WIP536-M

Image sensor	1/3" CMOS – 3MP (16:9)
Effective pixels	2304x1296
Max. resolution	3MP
Min. illumination	0.1 lux (@F2.0, AGC ON) 0 lux with IR on
Privacy mask	No
Video analytics	-
Image enhancement	Digital WDR
Day/night	ICR
Noise reduction	3D-DNR
Motion detection	Yes
IR distance	30m (3 High Power IR LED)
Lens	3.6mm (90°)
Network / Ethernet	Wireless Only (With WR-04IPC Adapter)
Analog video output	-
Audio input	-
Audio output	-
SD card	-
Power supply	DC12V/~520mA
Alarm	-
Video compression	H.264 / H.265
IP Rating	Water Proof: IP66
Junction Box	-

IP PTZ Cameras / 2MP - 3MP - 4MP

	New I5PT-320IPMX4-P	I5PT-390IPX10-P	**New** I5PT-320IPMX10-P	I10PT-390IPX20	I5PT-340IPX10
Image sensor	1/2.9" CMOS	1/2.9" CMOS – 2MP (16:9)		1/2.9" CMOS – 2MP (16:9)	1/3" CMOS – 4MP (16:9)
Effective pixels	1920×1080	1920X1080		1920X1080	2560X1440
Max. resolution	2MP(1920X1080)@1-25/30FPS	2MP(1920X1080)@1-25/30FPS		2MP(1920X1080)@1-25/30FPS	4MP(2560X1440)@1-25/30FPS
Min. illumination	0.005 Lux (Color), 0.01 Lux (B&W), 0 Lux (IR On)	0,05lux (Color), 0,01lux (B&W),0lux(IR On)		0,05lux (Color), 0,01lux (B&W),0lux(IR On)	0,05lux (Color), 0,01lux (B&W),0lux(IR On)
Lens	x4 (2.8-12mm)	5,1-51 mm Motorized VF with Auto Focus		4,7-97 mm Professional Zoom Module	5,1-51 mm Motorized VF with Auto Focus
Pan/Tilt Angle	250° Pan / 65° Tilt	250° Pan Rotation 65° Continuous Tilt		360° Pan (From 0° Tilt level)/ 95° Tilt	250° Pan / 65° Tilt
Pan/Tilt Speed	Manual: 0.5°~12°/Sec (Proportional to Zoom)	0.5°~12°/Sec (Proportional to Zoom)		Tilt: 0.5~80°/s Pan: 0.5~20°/s (Proportional to Zoom)	0.5°~12°/Sec (Proportional to Zoom)
Pan/Tilt Preset speed	Max Preset Speed: 12°/s	12°/s		Tilt: 80°/s Pan: 20°/s	12°/s
Angle of view	81.2°(Wide) to 22.6°(Tele)	H: 50.4°(Wide) to 5.4°(Tele)		H: 55.8°(Wide) to 3.2°(Tele)	H: 54.1°(Wide) to 5.8°(Tele)
Privacy mask	Yes	Yes		Yes	Yes
Video analytics	-	-		-	-
Image enhancement	Digital WDR	Digital WDR		Digital WDR	Digital WDR
Day/night	ICR (Auto Day/Night)	ICR (Auto Day/Night)		ICR (Auto Day/Night)	ICR (Auto Day/Night)
Noise reduction	3D-DNR	3D-DNR		3D-DNR	3D-DNR
Motion detection	Yes	Yes		Yes	Yes
IR distance	50 m	50 m		100 m	50 m
Network / Ethernet	RJ45 (+PoE)	RJ45 (+PoE)		RJ45	RJ45
Analog video output	-	-		-	-
Audio input	-	-		Yes	-
Audio output	-	-		Yes	-
Power supply	12VDC/2A (Not supplied) / PoE(~10W)	12VDC/2A (Not supplied) / PoE(~10W)		DC12V / 3A	DC12V / 2A
Alarm	-	-		1 In - 1 Out	-
Video compression	H.265/H.264	H.264	H.265/H.264	H.264	H.264
IP Rating	IP66	IP66		IP66	IP66

IP speed dome Cameras / 2MP - 3MP

	New **MZ-20IPM-2(IR)**	**EOL** **Z-20IPE-2(IR)***	**Z-30IPE-2(IR)***	**Z-20IP-3(IR)***	**Z-30IP-3(IR)***
Image sensor	1/2.8" CMOS	1/2.8" CMOS – 2MP (16:9)	1/2.8" CMOS – 2MP (16:9)	1/2.8" CMOS – 3MP (4:3)	1/2.8" CMOS – 3MP (4:3)
Effective pixels	1920x1080	1920X1080	1920X1080	2048x1536	2048x1536
Max. resolution	2MP(1920X1080)@1-25/30FPS	2MP(1920X1080)@1-25/30FPS	2MP(1920X1080)@1-25/30FPS	3MP(1920X1080)@1-25/30FPS	3MP(1920X1080)@1-25/30FPS
Min. illumination	0.05 Lux (Color), 0.01 Lux (B&W), 0 Lux (IR On)	0,05lux (Color), 0,01lux (B&W),0lux(IR On)	0,05lux (Color), 0,01lux (B&W),0lux(IR On)	0,05lux (Color), 0,01lux (B&W),0lux(IR On)	0,05lux (Color), 0,01lux (B&W),0lux(IR On)
Lens	x20 (F1.6~4.9mm - F3.5~98mm)	X20 - 3,5-97mm	X30 - 5-129mm	X20 - 3,5-97mm	X30 - 5-129mm
Pan/Tilt Angle	360° (Endless) / 0°~180° (Auto Flip)	360° (Endless) / -10°~180° (Auto Flip)	360° (Endless) / -10°~180° (Auto Flip)	360° (Endless) / -10°~180° (Auto Flip)	360° (Endless) / -10°~180° (Auto Flip)
Pan/Tilt Speed	Horizontal: 0.01°/s - 90°/s Vertical: 0.01°/s - 22.5 °/s	Horizontal: 0.01°/s - 350°/s Vertical: 0.01°/s - 120°/s	Horizontal: 0.01°/s - 350°/s Vertical: 0.01°/s - 120°/s	Horizontal: 0.01°/s - 350°/s Vertical: 0.01°/s - 120°/s	Horizontal: 0.01°/s - 350°/s Vertical: 0.01°/s - 120°/s
Pan/Tilt Preset speed	Horizontal: 120°/s, Vertical: 22.5°/s	Horizontal: 350°/s Vertical: 120°/s	Horizontal: 350°/s Vertical: 120°/s	Horizontal: 350°/s Vertical: 120°/s	Horizontal: 350°/s Vertical: 120°/s
Angle of view	56°(wide) ~ 3.86°(tele)	54.1° (Wide) ~ 2.8° (Tele)	58.3° (Wide) ~ 2.1° (Tele)	54.1° (Wide) ~ 2.8° (Tele)	58.3° (Wide) ~ 2.1° (Tele)
Privacy mask	-	Yes	Yes	Yes	Yes
Video analytics	-	-	-	-	-
Image enhancement	Digital WDR, BLC	Digital WDR	Digital WDR	Digital WDR	Digital WDR
Day/night	ICR (Auto/Day/Night)	ICR (Auto Day/Night)	ICR (Auto Day/Night)	ICR (Auto Day/Night)	ICR (Auto Day/Night)
Noise reduction	3D-DNR	3D-DNR	3D-DNR	3D-DNR	3D-DNR
Motion detection	Yes	Yes	Yes	Yes	Yes
IR distance	80 m	100 m	150 m	100 m	150 m
Network / Ethernet	RJ45	RJ45	RJ45	RJ45	RJ45
Analog video output	-	Yes	Yes	Yes	Yes
Audio input	-	Yes	Yes	Yes	Yes
Audio output	-	Yes	Yes	Yes	Yes
Power supply	12v/3A	AC24V/3A Power supply included	AC24V/3A Power supply included	AC24V/3A Power supply included	AC24V/3A Power supply included
Alarm	-	1 In/1 Out	1 In/1 Out	1 In/1 Out	1 In/1 Out
Video compression	H.264/H.265	H.264	H.264	H.264	H.264
IP Rating	IP66	IP66	IP66	IP66	IP66

*Auto tracking option available
Junction box pag: 98

NVR
Network Video Recorders

In standard installations - the NVR is the heart of the IP System. It is responsible for smooth communication with the cameras and the constant recording of all the data received from the connected cameras. Unlike DVRs, the NVR doesn't compress the video signal received from the IP camera but only stores it the same way as the camera already compresses it.

CONVENTIONAL NVRs

These NVRs are connected to the network and communicate with the IP cameras through the general network, without a direct IP camera connection.
This provides the installer the highest flexibility in the design of the system and the wiring.
Basic knowledge in networking and general IP configuration is required.

POE NVRs

These NVRs perform as a local network switch by creating a closed internal network for the IP cameras. The IP cameras are connected directly to the NVR by one network cable which will provide PoE power and automatically configure the camera for display & record.
These NVRs may also perform as conventional NVRs by dedicating some channels to communicating with any ONVIF camera connected to the network. No previous knowledge is required for this type of installation.

Model name index

	Resolution	no. channels	Total FPS	Special feat.	Case
example	NVR5	8	200	PX	MM
	NVR8	16	400		2U

Resolution		n° channels		Total FPS		Special features		Case	
NVR5	5MP real time	4	4 Channels	50	50 fps (PAL) / 60 fps (NTSC)	X	Economy series	"none"	Small 1U case 1HDD support
NVR8	8MP real time	8	8 Channels	100	100 fps (PAL) / 120 fps (NTSC)	P	PoE support	MM	mini metal case 1HDD support
		16	16 Channels	200	200 fps (PAL) / 240 fps (NTSC)	E	H.264 Economy series	1U	1U case 2HDD support
		32	32 Channels	400	400 fps (PAL) / 480 fps (NTSC)	F	AI-Based analytics	1.5U	1.5U case 4HDD support
		64	64 Channels	800	800 fps (PAL) / 960 fps (NTSC)	A	Alarm	2U	2U case 8HDD support
		128	128 Channels	1600	1600 fps (PAL) / 1920 fps (NTSC)	R	RAID support	3U	3U case 16HDD support
						T	Real time		

NVR / 5MP 4ch

	NVR5-4100X+(MM)	NVR5-4100PX+(MM)
Channels	4 Channels	4 Channels
PoE	-	4
Video output	HDMI: 1920x1080 (1080P) VGA: 1280x1024, 1024x768	HDMI: 1920x1080 (1080P) VGA: 1280x1024, 1024x768
Max. Recording	4CH 5MP Real Time	4CH 5MP Real Time
Video compression	H264 - H265	H264 - H265
Alarms	None - IPC Inputs/outputs only	None - IPC Inputs/outputs only
Audio	In: IPC inputs only Out: IPC outputs only	In: IPC inputs only Out: IPC outputs only
Playback	4CH	4CH
Backup format	AVI/DAT	AVI/DAT
Browsers	IE	IE
VMS	Yes	Yes
Video analytics	Yes (Must be supported by IPC)	Yes (Must be supported by IPC)
APP smart-phone/Tablet	ProvisionCam2 (Android-iOS)	ProvisionCam2 (Android-iOS)
User connections	5 simultaneously	5 simultaneously
Hard Disk	1 SATA (6 TB Max)	1 SATA (6 TB Max)
Cloud connection	APP & WEB page	APP & WEB page
Bandwidth (IN/OUT)	32 Mbps IN / 32 Mbps OUT	24 Mbps IN / 24 Mbps OUT
Ethernet	1xRJ45 (100Mbps)	1xRJ45 (100Mbps)
Power supply	DC12V-2A	DC48V/1.04A
Dimensions	255x220x45mm	255x220x45mm

NVR / 5MP 8ch

	NVR5-8200X+(MM)	NVR5-8200PX+(MM)
Channels	8 Channels	8 Channels
PoE	-	8
Video output	HDMI: 1920x1080 (1080P) VGA: 1280x1024, 1024x768	HDMI: 1920x1080 (1080P) VGA: 1280x1024, 1024x768
Max. Recording	8CH 5MP Real Time	8CH 5MP Real Time
Video compression	H264-h265	H264 - H265
Alarms	None - IPC Inputs/outputs only	None - IPC Inputs/outputs only
Audio	In: IPC inputs only Out: IPC outputs only	In: IPC inputs only Out: IPC outputs only
Playback	8CH	8CH
Backup format	AVI/DAT	AVI/DAT
Browsers	IE	IE
VMS	Yes	Yes
Video analytics	Yes (Must be supported by IPC)	Yes (Must be supported by IPC)
APP smart-phone/Tablet	ProvisionCam2 (Android-iOS)	ProvisionCam2 (Android-iOS)
User connections	5 simultaneously	5 simultaneously
Hard Disk	1 SATA (6 TB Max)	1 SATA (6 TB Max)
Cloud connection	App & WEB page	App & WEB page
Bandwidth (IN/OUT)	40 Mbps IN / 40 Mbps OUT	40 Mbps IN / 40 Mbps OUT
Ethernet	1xRJ45 (100Mbps)	1xRJ45 (100Mbps)
Power supply	DC12V-2A	DC48V-2.5A (12,5W Max x CH)
Dimensions	255x220x45mm	255x220x45mm

NVR / 8MP 8 - 16 ch `4K`

	NVR8-8200FA	NVR8-8200PFA	NVR8-16400A(1U)	NVR8-16400FA(1U)	NVR8-16400PFA(1U)
Channels	8 Channels	8 Channels	16 Channels	16 Channels	16 Channels
PoE	-	8	-	-	16
Video output	HDMI (4K,1080P) VGA (1280X1024)	HDMI (4K,1080P) VGA (1280X1024)	HDMI (4K,1080P) VGA (1280X1024)	HDMI (4K,1080P) VGA (1280X1024)	HDMI (4K,1080P) VGA (1280X1024)
Max. Recording	8CH 8MP Real Time	8CH 8MP Real Time	16CH 8MP Real Time	16CH 8MP Real Time	16CH 8MP Real Time
Video compression	H.265 (HEVC) / H.264	H.265 (HEVC) / H.264	H264-H265	H264-H265	H264-H265
Alarms	8 in-4 out (+ Depends on Camera)	8 in-4 out (+ Depends on Camera)	4 IN + Depends on Camera 1 OUT + Depends on Camera	8 IN + Depends on Camera 4 OUT + Depends on Camera	16 IN + Depends on Camera 4 OUT + Depends on Camera
Audio	In: 1 RCA + Depends on Camera Out: 1 RCA	In: 1 RCA + Depends on Camera Out: 1 RCA	In: 1 CH + Depends on Camera Out: 1 RCA	In: 1 CH + Depends on Camera Out: 1 RCA	In: 1 CH + Depends on Camera Out: 1 RCA
Playback	8CH	8CH	16CH	16CH	16CH
Backup format	AVI/DAT	AVI/DAT	AVI/DAT	AVI/DAT	AVI/DAT
Browsers	IE	IE	IE	IE	IE
VMS	Yes	Yes	Yes	Yes	Yes
Video analytics	With IP cameras	With IP cameras	With IP cameras	With IP cameras	With IP cameras
APP smart-phone/Tablet	ProvisionCam2 (Android-iOS)	ProvisionCam2 (Android-iOS)	ProvisionCam2 (Android-iOS)	ProvisionCam2 (Android-iOS)	ProvisionCam2 (Android-iOS)
User connections	10 simultaneously	10 simultaneously	10 simultaneously	10 simultaneously	10 simultaneously
Hard Disk	1 SATA (8 TB Max)	1 SATA (8 TB Max)	2 SATA (8TB each) with Smart Management	2 SATA (8TB each) with Smart Management	2 SATA (8TB each) with Smart Management
Cloud connection	App & WEB page	App & WEB page	App & WEB page	App & WEB page	App & WEB page
Bandwidth (IN/OUT)	80 Mbps IN / 80 Mbps OUT	80 Mbps IN / 80 Mbps OUT	112 Mbps IN / 112 Mbps OUT	160 Mbps IN / 160 Mbps OUT	160 Mbps IN / 160 Mbps OUT
Ethernet	1xRJ45 (1000Mbps)	1xRJ45 (1000Mbps)	1xRJ45 (1000Mbps)	1xRJ45 (1000Mbps)	1xRJ45 (1000Mbps)
Power supply	DC48V/2.5A	DC48V/2.5A	DC12V-3A	DC12V-4A	AC100-240V
Dimensions	375x275x50mm	375x275x50mm	375X275X50mm	375X275X45mm	430x390x70mm

Fisheye support: NVR8-8200FA, NVR8-8200PFA, NVR8-16400FA (1U), NVR8-16400PFA(1U).

NVR / 8MP 32 - 64 - 128 ch   4K

	NVR8-32800F(1U)	NVR8-32800RFA(2U)	NVR8-32800F-16P(2U)	NVR8-641600R(2U)	NVR8-128RT(3U)
Channels	32 Channels	32 Channels	32 Channels	64 Channels	128 Channels
PoE	-	-	16	-	-
Video output	HDMI (4K,1080P) VGA(1080P,1280X1024)	HDMI1 (4K, 1080P,1280X1024) HDMI2+VGA (1080P,1280X1024) 32CH per monitor	HDMI (4K,1080P) VGA(1080P,1280X1024)	HDMI1 (4K, 1080P,1280X1024) HDMI2+VGA (1080P,1280X1024) 32CH per monitor	HDMI1 (4K, 1080P,1280X1024) HDMI2+VGA (1080P,1280X1024) 64CH per monitor
Max. Recording	32CH 8MP Real Time	32CH 8MP Real Time	32CH 8MP Real Time	64CH 8MP Real Time	128CH 8MP Real Time
Video compression	H264-H265	H264-H265	H264-H265	H264-H265	H264-H265
Alarms	Depends on Camera	8 in / 4 out + Depends on Camera	16 in/ 1 out + Depends on Camera	8 in/ 4 out + Depends on Camera	8 in/ 4 out + Depends on Camera
Audio	1 In RCA + 1 Out RCA + Depends on Camera	1 In RCA + 1 Out RCA + Depends on Camera	1 In RCA + 1 Out RCA + Depends on Camera	1 In RCA + 1 Out RCA + Depends on Camera	1 In RCA + 1 Out RCA + Depends on Camera
Playback	16CH	16CH	16CH	16CH	16CH
Backup format	AVI/DAT	AVI/DAT	AVI/DAT	AVI/DAT	AVI/DAT
Browsers	IE, Safari	IE, Safari	IE, Safari	IE, Safari	IE, Safari
VMS	Yes	Yes	Yes	Yes	Yes
Video analytics	With IP cameras	With IP cameras	With IP cameras	With IP cameras	With IP cameras
APP smart-phone/Tablet	ProvisionCam2 (Android-iOS)	ProvisionCam2 (Android-iOS)	ProvisionCam2 (Android-iOS)	ProvisionCam2 (Android-iOS)	ProvisionCam2 (Android-iOS)
User connections	10 simultaneously	20 simultaneously	20 simultaneously	20 simultaneously	20 simultaneously
Hard Disk	2 SATA (8TB each) with Smart Management	8 SATA (8TB each) with Smart Management	8 SATA (8TB each) with Smart Management, 1 ESata Port	8 SATA (8TB each) with Smart Management, 2 ESata Port. RAID support	16 SATA (8TB each) with Smart Management,2 ESata Port. RAID support
Cloud connection	APP & WEB page	APP & WEB page	APP & WEB page	APP & WEB page	APP & WEB page
Bandwidth (IN/OUT)	256 Mbps IN / 256 Mbps OUT	256 Mbps IN / 256 Mbps OUT	256 Mbps IN / 256 Mbps OUT	320 Mbps IN / 320 Mbps OUT	384 Mbps IN / 384 Mbps OUT
Ethernet	1xRJ45 (1000Mbps)	2xRJ45 (1000Mbps)	1xRJ45 (1000Mbps)	2xRJ45 (1000Mbps)	2xRJ45 (1000Mbps)
Power supply	DC12V-4A	AC100-240V	AC100-240V	AC100-240V	AC100-240V
Dimensions	375X375X45mm	430X445X97mm	430X445X97mm	430X445X97mm	440X485X148mm

Fisheye support: NVR8-32800F(1U), NVR8-32800RFA(2U), NVR8-32800F-16P(2U), NVR8-641600R(2U), NVR8-128RT(3U).

IP
Switch POE

STANDARD 10/100 Mbps

These PoE switches are the best choice for any standard installation.
They are specially designed for IP surveillance giving extra reliability and installation simplicity.
With 4/8/16/24 port options, standard uuplinks, and SFP ports (depending on model), they allow finding a solution for any installation.

PROFESSIONAL 10/100/1000 MBPS

The 1000Mbps (gigabyte) PoE switches are made for true professionals.
The standard switches with 4 or 8 ports were designed for heavy-duty work.
The professional 16/24 Port switches, equipped with an LCD monitor, were designed to display all the following PoE system information on the front panel of the device:

· Single channel In/Out power (W)   · Low voltage / over voltage (alarm)
· Overload (OLP)   · High temperature (alarm)
· Short circuit (SCP)

KEEP ALIVE FUNCTION*

The new switch series can be configured to monitor connected PD's status in real-time via traffic detection. Once traffic of an active port stops for a set duration, the Switch will automatically restart the PoE port power, causing the PD to reboot and bring it back to a working state.

This feature will significantly enhance reliability and reduce administrator management burden.

CCTV MODE

The CCTV mode is actually a preconfigured VLAN (Cannot be customized by the user) that prevents all communication among the downlink ports. The CCTV mode also limits the communication to 10Mbps to increase stability. The achieved benefits of CCTV mode are:
No communication among downlink ports (VLAN) - improves the network security and data transmission efficiency.
Limiting the communication speed to 10Mbps increases the communication distance to a maximum of 250 meters.

LCD switch POE

An intuitive color panel placed on the front of the switch facilitates Ethernet management and PoE PD management. Smart and intuitive LCD control, jolts for efficient management in large-scale networks for enterprises, hotels, shopping malls, government buildings, and other public areas, and features some specific management and status functions (PoE/Port management and status, switch mode, budget and bandwidth control, PD alive check, maintenance).

Port priority

The priority is used for cases where the total power consumption is over the entire power budget. In cases like this, the lowest priority port will be turned off, so the switch can provide stable power to a higher priority port. There are three levels of power priorities: low, high, and critical.

Port management

Unused ports can be completely disabled: Random equipment connection won't be possible.

Power management

Administrators can define the maximum power output for each PoE port.

1 - Port Number. Missing ports are displayed in the next page. (Auto switch)
2 - Port power consumption
3 - Port download real-time bandwidth.

4 - Port upload real-time bandwidth.
5 - PB: the entire switch "PoE budget"
TP: "Total power" ,the total power used
PD: Numbers of "PD device"
Norm: Status indicator. "Norm" for normal, VLAN and CCTV available

*Only supported models

HIGH POWER SWITCH POE 10/100/1000 MBPS

PoES-08(2H)140G+2G

8 + 2 Port Giga Switch PoE

- Downlink: 8 x 1Gbps Ports
- Uplink: 2 x 1Gbps Port
- 6 PoE Ports (2 High Power)
- 130W (Avg:16.25W. Max 30W per PoE+ port,
- 60W per High Power port)
- Distance: Up to 100 Meters
- Built-in Surge Protection
- Complies with IEEE802.3af/at/bt

TVCC mode:

- Up to 250 meters at 10Mbps
- Vlan function: no communication among downlink ports
- Wall Bracket

PoES-0460G+1G(HPD)
(Accessory for PoES-08(2H)140G+2G)

4 PORT GIGA + 1 PORT GIGA POWERED DEVICE POE SWITCH

- 4x1Gbps PoE Ports
- 1x1Gbps Ports (Powered Device)
- 55W (Avg:13.75W Max 30W per ch)
- Power Supplied from High Power PoE*
- Distance: Up to 100 Meters
- Built-in Surge Protection
- Complies With IEEE802.3af/at
- *This device can only be powered by POES-08(2H)140G+2G or POEI-0160

SWITCH POE 10/100 MBPS

PoES-0460C+2I

4+2-PORT 10/100MBPS POE SWITCH

- Downlink: 4x100Mbps Ports
- Uplink: 2x 100Mbps Ports
- 60 Watt (Avg:15W Max: 30W per ch)
- External Power Supply
- Complies with IEEE802.3af/at PoE
- Distance: Up to 100 Meters
- Built-in Surge Protection

CCTV mode:
- Up to 250 meters at 10Mbps
- Vlan function: no communication among downlink ports
- Wall Bracket/Anti-Theft Hole Lock(k-slot)/Earthing Connector

PoES-08120C+2I

8+2-PORTE 10/100MBPS POE SWITCH

- Downlink: 8x100Mbps Ports
- Uplink: 2x 100Mbps Ports
- 120 Watt (Avg:15W Max: 30W per ch)
- External Power Supply
- Complies with IEEE802.3af/at PoE
- Distance: Up to 100 Meters
- Built-in Surge Protection

CCTV mode:
- Up to 250 meters at 10Mbps
- Vlan function: no communication among downlink ports
- Wall Bracket/Anti-Theft Hole Lock(k-slot)/Earthing Connector

PoES-08120C+2GI

8 PORT 10/100MBPS + 2 PORT 1Gbps POE SWITCH

- Downlink: 8x100Mbps Ports
- Uplink: 2x 1Gbps Ports
- 120 Watt (Avg:15W Max: 30W per ch)
- External Power Supply
- Complies with IEEE802.3af/at PoE
- Distance: Up to 100 Meters
- Built-in Surge Protection

CCTV mode:
- Up to 250 meters at 10Mbps
- Vlan function: no communication among downlink ports
- Wall Bracket/Anti-Theft Hole Lock(k-slot)/Earthing Connector

SWITCH POE 10/100 MBPS

PoES-16200C+2G

16+2 PORT 10/100MBPS POE SWITCH

- Downlink: 16x100Mbps Ports
- Uplink: 2 x 1Gbps Ports
- 200 Watt (Avg:12.5W Max: 30W per Ch)
- Internal Power Supply
- Complies With IEEE802.3af/at PoE
- Distance, Up to 100 Meters
- Built-in Surge Protection
- Status LED
- Rack mount bracket included

CCTV mode:
- Up to 250 meters at 10Mbps
- Vlan function: no communication among downlink ports

PoES-16300CL+2G+2SFP

FIBER

16 PORT 10/100MBPS +2 COMBO POE SWITCH

- Downlink: 16x100Mbps Ports
- Uplink: 2 x 1Gbps ports or 2 SFP (Combo)
- 300 watt (Avg:18.75w Max: 30W per Ch)
- Internal Power Supply
- Complies with IEEE802.3af/at PoE
- Distance: Up to 100 Meters
- Built-in Surge Protection
- COLOR LCD Status Monitor
- **Keep alive function**

CCTV mode:
- Up to 250 meters at 10Mbps
- Vlan function: no communication among downlink ports

New

POES 16250CL+2G+2SFP

FIBER

16 Port 10/100Mbps +2 RJ45 + 2SFP PoE

- Downlink: 16x100Mbps Ports
- Uplink: 2x1Gbps + 2x1Gbps SFP Ports
- Color LCD with menu and enhanced features
- 250 watt (Avg:15.6w Max: 30W per Ch)
- Internal Power Supply
- Complies With IEEE802.3af/at Power Over Ethernet.
- Distance: Up to 100 Meters
- Built-in Surge Protection
- LED Status Monitor
- **Keep alive function**

CCTV mode:
- Up to 250 meters at 10Mbps
- Vlan function: no communication among downlink ports
- Rack mount bracket included

PoES-24300C+2G

24+2 PORT 10/100MBPS POE SWITCH

- Downlink: 24x100Mbps Ports
- Uplink: 2 x 1Gbps Ports
- 300 Watt (Avg:12.5w Max: 30W per ch)
- Internal Power Supply
- Complies With IEEE802.3af/at PoE
- Distance: Up to 100 Meters
- Built-in Surge Protection
- Status LED

CCTV mode:
- Up to 250 meters at 10Mbps
- Vlan function: no communication among downlink ports
- Rack mount bracket included

POE SWITCH GIGA 10/100/1000 MBPS

PoES-24380CL+2G+2SFP

FIBER

24 PORT 10/100MBPS + 2 RJ45 + 2SFP

- Downlink: 24x100Mbps Ports
- Uplink: 2 x 1Gbps Ports or 2 SFP (Combo)
- 380 Watt (Avg:15.75w Max: 30W per ch)
- Internal Power Supply
- Complies With IEEE802.3af/at PoE
- Distance: Up to 100 Meters
- Built-in Surge Protection
- Status COLOR LCD Monitor
- **Keep alive function**

CCTV mode:
- Up to 250 meters at 10Mbps
- Vlan function: no communication among downlink ports
- Rack mount bracket included

New

POES 24370CL+2G+2SFP

FIBER

24 Port 10/100Mbps +2 RJ45 + 2SFP PoE

- Downlink: 24x100Mbps Ports
- Uplink: 2x1Gbps + 2x1Gbps SFP Ports
- Color LCD with menu and enhanced features
- 370 watt (Avg:15.4w Max: 30W per Ch)
- Internal Power Supply
- Complies With IEEE802.3af/at Power Over Ethernet.
- Distance: Up to 100 Meters
- Built-in Surge Protection
- LED Status Monitor
- **Keep alive function**

CCTV mode:
- Up to 250 meters at 10Mbps
- Vlan function: no communication among downlink ports
- Rack mount bracket included

PoES-0472GC+2G

4+2 PORT GIGA POE SWITCH

- Downlink: 4 x 10/100/1000Mbps
- Uplink: 2 x 10/100/1000Mbps
- 72 Watt (Avg:18W Max: 30W per ch)
- External Power Supply
- Complies With IEEE802.3af/at PoE
- Distance: Up to 100 Meters
- Built-In Surge Protection

CCTV mode:
- Up to 250 meters at 10Mbps
- Vlan function: no communication among downlink ports

PoES-08130GCL+2G+2SFP

FIBER

8 +2 RJ45 + 2SFP Giga PoE Switch

- Downlink: 8 x 1Gbps Ports
- Uplink: 2x 1Gbps Ports
- 120 Watt (Avg:15W Max: 30W per ch)
- Complies With IEEE802.3af/at PoE
- Distance: Up to 100 Meters
- Built-in Surge Protection
- Built-In LCD For Status Indication
- **Keep alive function**

CCTV mode:
- Up to 250 meters at 10Mbps
- Vlan function: no communication among downlink ports
- Rack mount bracket included

POE SWITCH GIGA 10/100/1000 MBPS

PoES-16300GCL+2SFP

FIBER

16+2SFP-PORT GIGA POE SWITCH

- Downlink: 16 x 1Gbps Ports
- Uplink: 2 SFP
- 300 Watt (Avg:18W Max: 30W per ch)
- Internal Power Supply
- Complies with IEEE802.3af/at PoE
- Distance: Up to 100 Meters
- Built-In Surge Protection
- Built-In COLOR LCD For Status Indication
- **Keep alive function**

CCTV mode:
- Up to 250 meters at 10Mbps
- Vlan function: no communication among downlink ports
- Rack mount bracket included

New
POES 16250GCL+2SFP

FIBER

16 Port Giga PoE Switch

- 2 SFP Uplink ports
- All Ports Act As Both Downlink/Uplink (not in CCTV/ VLAN modes)
- Color LCD with menu and enhanced features
- 250 Watt (Avg:15.6W Max: 30W per ch)
- Internal Power Supply
- Complies With IEEE802.3af/at Power Over Ethernet.
- Distance: Up to 100 Meters
- Built-In Surge Protection
- Built-In LCD For Status Indication
- **Keep alive function**

CCTV mode:
- Up to 250 meters at 10Mbps
- Vlan function: no communication among downlink ports
- Rack mount bracket included

PoES-24380GCL+2SFP

FIBER

24+2SFP-PORT GIGA POE SWITCH

- Downlink: 24 x 1Gbps Ports
- Uplink: 2 SFP
- 380 Watt (Avg:15,8W Max: 30W per ch)
- Internal Power Supply
- Complies With IEEE802.3af/at PoE
- Distance: Up to 100 Meters
- Built-In Surge Protection
- Built-In COLOR LCD For Status Indication
- **Keep alive function**

CCTV mode:
- Up to 250 meters at 10Mbps
- Vlan function: no communication among downlink ports
- Rack mount bracket included

New
POES 24370GCL+2SFP

FIBER

24 Port Giga PoE Switch

- 2 SFP Uplink ports
- All Ports Act As Both Downlink/Uplink (not in CCTV/ VLAN modes)
- Color LCD with menu and enhanced features
- 370 Watt (Avg:15.4W Max: 30W per ch)
- Internal Power Supply
- Complies With IEEE802.3af/at Power Over Ethernet.
- Distance: Up to 100 Meters
- Built-In Surge Protection
- Built-In LCD For Status Indication
- **Keep alive function**

CCTV mode:
- Up to 250 meters at 10Mbps
- Vlan function: no communication among downlink ports
- Rack mount bracket included

POE ACCESSORIES

PoESP-0124W

1 CH POE ETHERNET SPLITTER
- Adjustable output 5VDC/2A, or 9VDC/2A or 12VDC/2A
- Maximum Power Output: Up To 24W.
- Short-Circuit Protection.
- High Efficiency DC/DC Convertor
- Complies with IEEE802.3 AF/AT Power Over Ethernet

PoESP-0172W

1 CH POE ETHERNET SPLITTER
- 24VDC / 3A Output
- Maximum Power Output: Up To 72W*.
- Short-Circuit Protection.
- High Efficiency DC/DC Convertor
- Complies With IEEE802.3af/at/bt Power Over Ethernet
- DC Jack / Terminal Connector Output

PoEI-0130 / PoEI-0160

1 CH POE ETHERNET INJECTOR
- Downlink: 1x 100 Mbps
- Output: PoEI-0130 max 30W - PoEI-0160 max 60W
- Internal power supply
- Complies with IEEE802.3 at PoE
- Distance: up to 100 Meters
- Built-in surge protection

PoER-01

1 CH POE EXTENDER (REPEATER)
- Extends PoE Ethernet range up to additional 100 meters 10/100Mbps Ethernet
- No additional power supply is required
- Automatically detects and protects PoE equipment from being damaged by incorrect installation
- Complies with IEEE802.3 at PoE

PoER-02

1 TO 2 CH POE EXTENDER (REPEATER)
- Allows PoE + Video transmission of 2 cameras over 1 Ethernet cable.
- Extends PoE range up to additional 150 Meters
- 10/100Mbps Ethernet
- 2 Ch Output
- No additional power supply is required
- Automatically detects and protects PoE equipment from being damaged by incorrect installation
- Compliance with IEEE802. 3 10BASE-T, IEEE802.
- 3U 100BASE-TX, IEEE802. 3af/at, Standards
- Wall Bracket/Earthing Terminal

DCoE-01

NON-POE POWER OVER ETHERNET CONVERTER
- Set-Transmitter/Receiver
- 50 Meters working distance
- Camera DC power supply needed
- Supplies DC power input to the camera - Not PoE

HD Technology
V2 Series

HD TECHNOLOGY
HIGH DEFINITION THROUGH COAXIAL CABLE

Pro V2

Series dedicated to the installer looking for a high-level camera emphasizing the difference in image quality.

Discover more on page 70

UltraV2

Series dedicated to the installer looking for a premium-level camera able to guarantee excellent performances under extreme light conditions.

Discover more on page 75

Sirius

Designed to enhance surveillance capabilities in the dark and deliver 24h fantastic color images, Sirius HD cameras rely on a state-of-the-art sensor and extremely advanced lenses.

Discover more on page 77

Provision-ISR HD range also includes:

- A series of PTZ cameras for wide-area coverage
- A series of SPECIAL CAMERAS specifically designed for non-conventional applications (box, hidden and PIR cameras)

HD V2
Main features

Focus
Comparison based on main features

Have a look at the main differences among Pro (V2), Ultra (V2), and Sirius.

	RESOLUTION			WDR		NOISE REDUCTION		IR TYPE		FULL TIME COLOR	
	2MP	5MP	8MP	DIGITAL	TRUE	2D-DNR	3D-DNR	SMART	VISIBLE LIGHT	YES	NO
PRO (V2)	●	●	●	●			●	●			●
ULTRA (V2)	●				●		●	●			●
SIRIUS	●				●		●		●	●	

HD V2 Cameras
Model name index

HD Cameras

	Category	Sub-Category	CMOS size	Resolution	Lux	Solution	Lens	Color
example	D	I	- 3	8	0	- A	28	G
	I	2	- 3	8	0	- A	28	

Category		Sub-Category		CMOS size		Resolution		LUX		Solution		Lens		Color	
B	Body	X	No subcategory	3	~ 1/3"	2/9	2 MP	0	0 (IR on)	A	4 in 1 Pro	28	2.8mm	G	Grey
D	Dome	AI	Anti vandal (IR)			4	4 MP	1	0.01	AU	4 in 1 Ultra	36	3.6mm		
I	Infra Red (IR) Bullet	C	Pinhole cone shape			5	5 MP	2	0.01 ~ 0.1	AS	4 in 1 Sirius	37	3.7mm		
M	Mini	I	Infra red (IR)			8	8 MP					VF	Vari-focal		
T	Tube camera	L	Spotlight shape												
		PT	Pan/Tilt									MVF	Motorized VF (with auto focus)		
		S	Smoke detector												
		V	PIR detector												
		W	Snake												
		2	IR 20 m												
		4	IR 40-60 m												
		VL	Visible light												

PTZ

example	I5	PT	- 3	9	0	- IP	X4

IR distance		Category		CMOS		Resolution		LUX		Solution		Zoom	
I5	50 m	PT	Pan Tilt	3	~ 1/3"	9	2 MP	0	0(IRon)	A	HD	X4	x4 zoom
I10	100 m											X10	x10 zoom

Speed dome

example	MZ	- 10	A	- 2	(IR)
	ZP	- 20	A	- 2	(IR)

Category		Lens		Solution		Resolution		Special features	
MZ	Mini Speed dome	10	x10 zoom	A	HD	2	2 MP	(IR)	Infra Red
ZE/ZP	Speed dome	20	x20 zoom						

HD series

Pro V2

Series dedicated to the installer looking for a high-level camera emphasizing the difference in image quality. The cameras belonging to the Pro series are suitable for both indoor or outdoor applications where professional video surveillance is required.

2MP - 5MP - 8MP

PRO

Pro (V2) / 2 MP

	DI-320A-28	DI-320A-VF	DI-320A-VF-G	I2-320A-28	I4-320A-28	I4-320A-VF	I4-320A-VF-G
Image sensor	1/2.9" 2MP (16:9)	Sensor: 1/2.9" 2MP Sensor		1/2.9" 2MP Sensor	1/2.9" 2MP Sensor	1/2.9" 2MP Sensor	
Effective Pixels	1936x1096	1936x1096		1936x1096	1936x1096	1936x1096	
Frame rate	25/30FPS	25/30FPS		25/30FPS	25/30FPS	25/30FPS	
Day/night	True Day&Night-ICR	True Day&Night-ICR		True Day&Night-ICR	True Day&Night-ICR	True Day&Night-ICR	
Resolution	2MP: 1920x1080 AHD/TVI/CVI 1MP: 1280x720 AHD/TVI/CVI CVBS: 700TVL	MP: 1920x1080 AHD/TVI/CVI 1MP: 1280x720 AHD/TVI/CVI CVBS: 700TVL		2MP: 1920x1080 AHD/TVI/CVI 1MP: 1280x720 AHD/TVI/CVI CVBS: 700TVL	2MP: 1920x1080 AHD/TVI/CVI 1MP: 1280x720 AHD/TVI/CVI CVBS: 700TVL	2MP: 1920x1080 AHD/TVI/CVI 1MP: 1280x720 AHD/TVI/CVI CVBS: 700TVL	
Min. Illumination	Color: 0.005lux @F1.2, AGC ON B/W: 0lux with IR	Color: 0.005lux @F1.2, AGC ON B/W: 0lux with IR		Color: 0.005lux @F1.2, AGC ON B/W: 0lux with IR	Color: 0.005lux @F1.2, AGC ON B/W: 0lux with IR	Color: 0.005lux @F1.2, AGC ON B/W: 0lux with IR	
Lens	2.8mm Fixed (88°)	2.8-12mm Vari-Focal (88°-33°)		2.8mm Fixed (88°)	2.8mm Fixed (88°)	2.8-12mm Vari-Focal (88°-33°)	
IR LED	1 LED Array (20m)	3 LED Array (40m)		1 LED Array (20m)	2 LED Array (40m)	2 LED Array (40m)	
Image enhancement	Digital WDR	Digital WDR		Digital WDR	Digital WDR	Digital WDR	
Noise reduction	3D-DNR	3D-DNR		3D-DNR	3D-DNR	3D-DNR	
Privacy mask	No	No		No	No	No	
S/N Ratio	≥52dB (AGC OFF)	≥52dB (AGC OFF)		≥52dB (AGC OFF)	≥52dB (AGC OFF)	≥52dB (AGC OFF)	
D-Effect	No	No		No	No	No	
OSD Menu	Available via CoC Only	Available via CoC Only		Available via CoC Only	Available via CoC Only	Available via CoC Only	
CoC Support	Yes	Yes		Yes	Yes	Yes	
White balance	Auto / Manual	Auto / Manual		Auto / Manual	Auto / Manual	Auto / Manual	
Video output	2MP / 1MP (Selected by OSD Menu) AHD/TVI/CVI/CVBS + PAL/NTSC (Selected by DIP Switch)	2MP / 1MP (Selected by OSD Menu) AHD/TVI/CVI/CVBS + PAL/NTSC (Selected by DIP Switch)		2MP / 1MP (Selected by OSD Menu) AHD/TVI/CVI/CVBS + PAL/NTSC (Selected by DIP Switch)	2MP / 1MP (Selected by OSD Menu) AHD/TVI/CVI/CVBS + PAL/NTSC (Selected by DIP Switch)	2MP / 1MP (Selected by OSD Menu) AHD/TVI/CVI/CVBS + PAL/NTSC (Selected by DIP Switch)	
Power supply	DC12V/270mA	DC12V/620mA		DC12V/320mA	DC12V/470mA	DC12V/560mA	
Working temperature	-30°C ~ 50°C, 10% ~ 90% humidity	-30°C ~ 50°C, 10% ~ 90% humidity		-30°C ~ 50°C, 10% ~ 90% humidity	-30°C ~ 50°C, 10% ~ 90% humidity	-30°C ~ 50°C, 10% ~ 90% humidity	
IP Rating	IP67	IP67		IP67	IP67	IP67	
Dimensions	Ø 97*82.6mm	Ø 113*99.6mm		172.2*73.4*74.5mm	220.8*79.4*81.2mm	220.8*79.4*81.2mm	
Junction box	PR-JB12IP66 - PR-JB12IP64 - PR-WB-A	PR-JB14IP66 - PR-JB14IP64 - PR-WB-A		PR-JB12IP66 - PR-JB12IP64	PR-JB12IP66 - PR-JB12IP64	PR-JB12IP66 - PR-JB12IP64	

Pro (V2) / 5 MP

	DI-350A-28	DI-350A-VF	DI-350A-MVF	DI-350A-MVF-G	DAI-350A-MVF
Image sensor	1/2.7" 5MP Sensor (5MP - 4:3. 4MP - 16:9)	1/2.7" 5MP Sensor (5MP - 4:3. 4MP - 16:9)	1/2.7" 5MP Sensor (5MP - 4:3. 4MP - 16:9)		1/2.7" 5MP Sensor (5MP - 4:3. 4MP - 16:9)
Effective Pixels	2608x1960	2608x1960	2608x1960		2608x1960
Frame rate	25/30FPS	25/30FPS	25/30FPS		25/30FPS
Day/night	True Day&Night-ICR	True Day&Night-ICR	True Day&Night-ICR		True Day&Night-ICR
Resolution	5MP: 2592x1944 AHD/TVI 4MP: 2560x1440 AHD/TVI/CVI CVBS: 700TVL	5MP: 2592x1944 AHD/TVI 4MP: 2560x1440 AHD/TVI/CVI CVBS: 700TVL	5MP: 2592x1944 AHD/TVI 4MP: 2560x1440 AHD/TVI/CVI CVBS: 700TVL		5MP: 2592x1944 AHD/TVI 4MP: 2560x1440 AHD/TVI/CVI CVBS: 700TVL
Min. Illumination	Color: 0.01lux @F1.2, AGC ON B/W: 0lux with IR	Color: 0.01lux @F1.2, AGC ON B/W: 0lux with IR	Color: 0.01lux @F1.2, AGC ON B/W: 0lux with IR		Color: 0.01lux @F1.2, AGC ON B/W: 0lux with IR
Lens	2.8mm Fixed (91°)	2.8-12mm Vari-Focal (84°-32°)	2.8-12mm Motorized Vari-Focal (84°-32°)		2.8-12mm Motorized Vari-Focal (84°-32°)
IR LED	1 LED Array (20m)	3 LED Array (40m)	3 LED Array (40m)		3 LED Array (40m)
Image enhancement	Digital WDR, BLC	Digital WDR, BLC	Digital WDR, BLC		Digital WDR, BLC
Noise reduction	3D-DNR	3D-DNR	3D-DNR		3D-DNR
Privacy mask	No	No	No		No
S/N Ratio	≥52dB (AGC OFF)	≥52dB (AGC OFF)	≥52dB (AGC OFF)		≥52dB (AGC OFF)
D-Effect	Mirror + Flip	Mirror + Flip	Mirror + Flip		Mirror + Flip
OSD Menu	Available via CoC Only	Available via CoC Only	Available via CoC Only		Available via CoC Only
CoC Support	Yes	Yes	Yes		Yes
White balance	Auto / Auto->Set	Auto / Auto->Set	Auto / Auto->Set		Auto / Auto->Set
Video output	5MP / 4MP (Selected by OSD Menu) AHD/TVI/CVI/CVBS + PAL/NTSC (Selected by DIP Switch)	5MP / 4MP (Selected by OSD Menu) AHD/TVI/CVI/CVBS + PAL/NTSC (Selected by DIP Switch)	5MP / 4MP (Selected by OSD Menu) AHD/TVI/CVI/CVBS + PAL/NTSC (Selected by DIP Switch)		5MP / 4MP (Selected by OSD Menu) AHD/TVI/CVI/CVBS (Selectable)
Power supply	DC12V/280mA	DC12V/620mA	DC12V/620mA		DC12V/600mA
Working temperature	-30°C ~ 50°C, 10% ~ 90% humidity	-30°C ~ 50°C, 10% ~ 90% humidity	-30°C ~ 50°C, 10% ~ 90% humidity		-30°C ~ 50°C, 10% ~ 90% humidity
IP Rating	IP67	IP67	IP67		IP67, IK10
Dimensions	Ø 97*82.6mm	Ø 113*99.6mm	Ø 113*99.6mm		Ø 140.9*100.3mm
Junction box	PR-JB12IP66 - PR-JB12IP64 - PR-WB-A	PR-JB14IP66 - PR-JB14IP64 - PR-WB-A	PR-JB14IP66 - PR-JB14IP64 - PR-WB-A		PR-JBA14IP66

Pro (V2) / 5 MP

	I2-350A-28	I4-350A-28	I4-350A-VF	I4-350A-MVF
Image sensor	1/2.7" 5MP Sensor (5MP - 4:3. 4MP - 16:9)	1/2.7" 5MP Sensor (5MP - 4:3. 4MP - 16:9)	1/2.7" 5MP Sensor (5MP - 4:3. 4MP - 16:9)	1/2.7" 5MP Sensor (5MP - 4:3. 4MP - 16:9)
Effective Pixels	2608x1960	2608x1960	2608x1960	2608x1960
Frame rate	25/30FPS	25/30FPS	25/30FPS	25/30FPS
Day/night	True Day&Night-ICR	True Day&Night-ICR	True Day&Night-ICR	True Day&Night-ICR
Resolution	5MP: 2592x1944 AHD/TVI 4MP: 2560x1440 AHD/TVI/CVI CVBS: 700TVL	5MP: 2592x1944 AHD/TVI 4MP: 2560x1440 AHD/TVI/CVI CVBS: 700TVL	5MP: 2592x1944 AHD/TVI 4MP: 2560x1440 AHD/TVI/CVI CVBS: 700TVL	5MP: 2592x1944 AHD/TVI 4MP: 2560x1440 AHD/TVI/CVI CVBS: 700TVL
Min. Illumination	Color: 0.01lux @F1.2, AGC ON B/W: 0lux with IR	Color: 0.01lux @F1.2, AGC ON B/W: 0lux with IR	Color: 0.01lux @F1.2, AGC ON B/W: 0lux with IR	Color: 0.01lux @F1.2, AGC ON B/W: 0lux with IR
Lens	2.8mm Fixed (91°)	2.8mm Fixed (91°)	2.8-12mm Vari-Focal (84°-32°)	2.8-12mm Motorized Vari-Focal (84°-32°)
IR LED	1 LED Array (20m)	2 LED Array (40m)	2 LED Array (40m)	2 LED Array (40m)
Image enhancement	Digital WDR, BLC	Digital WDR, BLC	Digital WDR, BLC	Digital WDR, BLC
Noise reduction	3D-DNR	3D-DNR	3D-DNR	3D-DNR
Privacy mask	No	No	No	No
S/N Ratio	≥52dB (AGC OFF)	≥52dB (AGC OFF)	≥52dB (AGC OFF)	≥52dB (AGC OFF)
D-Effect	Mirror + Flip	Mirror + Flip	Mirror + Flip	Mirror + Flip
OSD Menu	Available via CoC Only	Available via CoC Only	Available via CoC Only	Available via CoC Only
CoC Support	Yes	Yes	Yes	Yes
White balance	Auto / Auto->Set	Auto / Auto->Set	Auto / Auto->Set	Auto / Auto->Set
Video output	5MP / 4MP (Selected by OSD Menu) AHD/TVI/CVI/CVBS + PAL/NTSC (Selected by DIP Switch)	5MP / 4MP (Selected by OSD Menu) AHD/TVI/CVI/CVBS + PAL/NTSC (Selected by DIP Switch)	5MP / 4MP (Selected by OSD Menu) AHD/TVI/CVI/CVBS + PAL/NTSC (Selected by DIP Switch)	5MP / 4MP (Selected by OSD Menu) AHD/TVI/CVI/CVBS + PAL/NTSC (Selected by DIP Switch)
Power supply	DC12V/320mA	DC12V/470mA	DC12V/560mA	DC12V/660mA
Working temperature	-30°C ~ 50°C, 10% ~ 90% humidity	-30°C ~ 50°C, 10% ~ 90% humidity	-30°C ~ 50°C, 10% ~ 90% humidity	-30°C ~ 50°C, 10% ~ 90% humidity
IP Rating	IP67	IP67	IP67	IP67
Dimensions	172.2*73.4*74.5mm	220.8*79.4*81.2mm	220.8*79.4*81.2mm	220.8*79.4*81.2mm
Junction box	PR-JB12IP66 - PR-JB12IP64	PR-JB12IP66 - PR-JB12IP64	PR-JB12IP66 - PR-JB12IP64	PR-JB12IP66 - PR-JB12IP64

Pro (V2) / 8 MP

	DI-380A-28	DI-380A-MVF	DAI-380A-MVF	I2-380A-28	I4-380A-MVF
Image sensor	1/2.5" 8MP Sensor (8MP/4MP - 16:9, 5MP - 4:3)	1/2.5" 8MP Sensor (8MP/4MP - 16:9, 5MP - 4:3)	1/2.5" 8MP Sensor (8MP/4MP - 16:9, 5MP - 4:3)	1/2.5" 8MP Sensor (8MP/4MP - 16:9, 5MP - 4:3)	1/2.5" 8MP Sensor (8MP/4MP - 16:9, 5MP - 4:3)
Effective Pixels	3864x2202	3864x2202	3864x2202	3864x2202	3864x2202
Frame rate	8MP @ 12/15FPS, 5MP @ 20FPS, 4MP @ 25/30FPS, CVBS @ 25/30FPS	8MP @ 12/15FPS, 5MP @ 20FPS, 4MP @ 25/30FPS, CVBS @ 25/30FPS	8MP @ 12/15FPS, 5MP @ 20FPS, 4MP @ 25/30FPS, CVBS @ 25/30FPS	8MP @ 12/15FPS, 5MP @ 20FPS, 4MP @ 25/30FPS, CVBS @ 25/30FPS	8MP @ 12/15FPS, 5MP @ 20FPS, 4MP @ 25/30FPS, CVBS @ 25/30FPS
Day/night	True Day&Night-ICR	True Day&Night-ICR	True Day&Night-ICR	True Day&Night-ICR	True Day&Night-ICR
Resolution	8MP: 3840x2160 AHD/TVI/CVI 5MP: 2592x1944 AHD/TVI 4MP: 2560x1440 AHD/TVI/CVI CVBS: 700TVL	8MP: 3840x2160 AHD/TVI/CVI 5MP: 2592x1944 AHD/TVI 4MP: 2560x1440 AHD/TVI/CVI CVBS: 700TVL	8MP: 3840x2160 AHD/TVI/CVI 5MP: 2592x1944 AHD/TVI 4MP: 2560x1440 AHD/TVI/CVI CVBS: 700TVL	8MP: 3840x2160 AHD/TVI/CVI 5MP: 2592x1944 AHD/TVI 4MP: 2560x1440 AHD/TVI/CVI CVBS: 700TVL	8MP: 3840x2160 AHD/TVI/CVI 5MP: 2592x1944 AHD/TVI 4MP: 2560x1440 AHD/TVI/CVI CVBS: 700TVL
Min. Illumination	Color: 0.01lux @F1.2, AGC ON B/W:0lux with IR	Color: 0.01lux @F1.2, AGC ON B/W:0lux with IR	Color: 0.01lux @F1.2, AGC ON B/W:0lux with IR	Color: 0.01lux @F1.2, AGC ON B/W:0lux with IR	Color: 0.01lux @F1.2, AGC ON B/W:0lux with IR
Lens	2.8mm Fixed (89.3°)	2.8-12mm Motorized Vari-Focal (78°-31.3°)	2.8-12mm Motorized Vari-Focal (83.5°-32°)	2.8mm Fixed (95°)	2.8-12mm Motorized Vari-Focal (82.5°-31.5°)
IR LED	1 LED Array (20m)	3 LED Array (40m)	3 LED Array (40m)	1 LED Array (20m)	2 LED Array (40m)
Image enhancement	Digital WDR , BLC	Digital WDR , BLC	BLC Digital WDR , BLC	Digital WDR , BLC	Digital WDR , BLC
Noise reduction	3D-DNR	3D-DNR	3D-DNR	3D-DNR	3D-DNR
Privacy mask	No	No	No	No	No
S/N Ratio	≥52dB (AGC OFF)	≥52dB (AGC OFF)	≥52dB (AGC OFF)	≥52dB (AGC OFF)	≥52dB (AGC OFF)
D-Effect	No	No	No	No	No
OSD Menu	Available via CoC Only	Available via CoC Only	Available via CoC Only	Available via CoC Only	Available via CoC Only
CoC Support	Yes	Yes	Yes	Yes	Yes
White balance	Auto	Auto	Auto	Auto	Auto
Video output	8MP/5MP/4MP (Selected by OSD menu) AHD/TVI/CVI+ PAL/NTSC (Selected by DIP Switch)	8MP/5MP/4MP (Selected by OSD menu) AHD/TVI/CVI+ PAL/NTSC (Selected by DIP Switch)	8MP/5MP/4MP (Selected by OSD menu) AHD/TVI/CVI+ PAL/NTSC (Selected by DIP Switch)	8MP/5MP/4MP (Selected by OSD menu) AHD/TVI/CVI+ PAL/NTSC (Selected by DIP Switch)	8MP/5MP/4MP (Selected by OSD menu) AHD/TVI/CVI+ PAL/NTSC (Selected by DIP Switch)
Power supply	DC12V/340mA	DC12V/650mA	DC12V/650mA	DC12V/340mA	DC12V/710mA
Working temperature	-30°C ~ 50°C, 10% ~ 90% humidity	-30°C ~ 50°C, 10% ~ 90% humidity	-30°C ~ 50°C, 10% ~ 90% humidity	-30°C ~ 50°C, 10% ~ 90% humidity	-30°C ~ 50°C, 10% ~ 90% humidity
IP Rating	IP67	IP67	IP67, IK10	IP67	IP67
Dimensions	Ø 97*82.6mm	Ø 113*99.6mm	Ø 140.9*100.3mm	172.2*73.4*74.5mm	220.8*79.4*81.2mm
Junction box	PR-JB12IP66 - PR-JB12IP64 - PR-WB-A	PR-JB14IP66 - PR-JB14IP64 - PR-WB-A	PR-JBA14IP66	PR-JB12IP66 - PR-JB12IP64	PR-JB12IP66 - PR-JB12IP64

HD series

Ultra (V2)

Series dedicated to the installer looking for a premium-level camera able to guarantee excellent performances under extreme light conditions.
The series can count on both increased wide dynamic range and sensor top quality.
Ultra cameras find their best application in any area where lighting is a challenge.

2MP

ULTRA

Ultra (V2) / 2 MP

	DI-320AU-MVF	DI-320AU-MVF-G	DAI-320AU-VF	I4-320AU-MVF
Image sensor	Sensor: 1/2.8" 2MP Sensor		Sensor: 1/2.9" 2MP Sensor	Sensor: 1/2.8" 2MP Sensor
Effective Pixels	1945x1109		1945x1109	1945x1109
Frame rate	25/30FPS		25/30FPS	25/30FPS
Day/night	True Day&Night-ICR		True Day&Night-ICR	True Day&Night-ICR
Resolution	2MP: 1920x1080 AHD/TVI/CVI CVBS: 700TVL		2MP: 1920x1080 AHD/TVI/CVI 1MP: 1280x720 AHD/TVI/CVI CVBS: 700TVL	2MP: 1920x1080 AHD/TVI/CVI CVBS: 700TVL
Min. Illumination	Color: 0.001lux @F1.2, AGC ON B/W:0lux with IR		Color: 0.001lux @F1.2, AGC ON B/W:0lux with IR	Color: 0.001lux @F1.2, AGC ON B/W:0lux with IR
Lens	2.8-12mm Motorized Vari-Focal (96°-34°)		2.8-12mm Vari-Focal (88°-33°)	2.8-12mm Motorized Vari-Focal (96°-34°)
IR LED	3 LED Array (40m)		3 LED Array (40m)	2 LED Array (40m)
Image enhancement	True (120dB) + Digital, BLC/HLC		True (120dB) + Digital	True (120dB) + Digital, BLC/HLC
Noise reduction	3D-DNR		3D-DNR	3D-DNR
Privacy mask	Yes		Yes	Yes
S/N Ratio	≥52dB (AGC OFF)		≥52dB (AGC OFF)	≥52dB (AGC OFF)
D-Effect	Mirror + Flip		No	Mirror + Flip
OSD Menu	Available via CoC Only		Available via CoC Only	Available via CoC Only
CoC Support	Yes		Yes	Yes
White balance	Auto		Auto / Manual	Auto
Video output	2MP AHD/TVI/CVI/CVBS + PAL/NTSC (Selected by DIP Switch)		2MP AHD/TVI/CVI/CVBS (Selectable)	2MP AHD/TVI/CVI/CVBS + PAL/NTSC (Selected by DIP Switch)
Power supply	DC12V/660mA		DC12V/660mA	DC12V/620mA
Working temperature	-30°C ~ 50°C, 10% ~ 90% humidity		-30°C ~ 50°C, 10% ~ 90% humidity	-30°C ~ 50°C, 10% ~ 90% humidity
IP Rating	IP67		IP67, IK10	IP67
Dimensions	Ø 113*99.6mm		Ø 140.9*100.3mm	220.8*79.4*81.2mm
Junction box	PR-JB14IP66 - PR-JB14IP64 - PR-WB-A		PR-JBA14IP66	PR-JB12IP66 - PR-JB12IP64

HD series

Sirius

Excellent brightness and vivid chromatic images: these are the key strengths of our brand-new SIRIUS CAMERAS. Designed to enhance surveillance capabilities in the dark and deliver 24h fantastic color images, Sirius HD cameras rely on a state-of-the-art sensor and extremely advanced lenses.
The extra-wide F1.0 aperture of the lens allows more light to enter, and two visible smart LEDs provide the camera with the minimal required illumination of 0.0001Lux.
The application scenarios of Sirius full colors night cameras include: public areas with no light, night security at industrial complexes, traffic intersections in low-light environments, and all those areas featuring critical lighting conditions.

2MP

Sirius / 2 MP

	TVL-391AS36	DVL-391AS36
Image sensor	1/2.8" CMOS – 2MP (16:9)	1/2.8 CMOS – 2MP (16:9)
Effective Pixels	1945(H)×1097(V)	1945(H)×1097(V)
Frame rate	25/30FPS	25/30FPS
Day/night	Full Time Color (Colored Night)	Full Time Color (Colored Night)
Resolution	Digital:1920x1080 Analog:960H	Digital:1920x1080 Analog:960H
Min. Illumination	0.0001Lux	0.0001Lux
Lens	3.6mm F1.0 (87°)	3.6mm F1.0 (87°)
IR LED	2 White LED (Off/Adaptive/Full)	2 White LED (Off/Adaptive/Full)
Image enhancement	Off/BLC/True WDR@30FPS (120dB)	Off/BLC/True WDR@30FPS (120dB)
Noise reduction	3D-DNR For HD Analog, 2D-DNR For CVBS	3D-DNR For HD Analog, 2D-DNR For CVBS
Privacy mask	On/Off (16 Areas)	On/Off (16 Areas)
S/N Ratio	≥60dB (AGC Off)	≥60dB (AGC Off)
D-Effect	Freeze, Mirror	Freeze, Mirror
OSD Menu	Available via CoC Only	Available via CoC Only
CoC Support	Yes	Yes
White balance	ATW, Manual	ATW, Manual
Video output	AHD/CVI/TVI/CVBS selectable via DIP switch	AHD/CVI/TVI/CVBS selectable via DIP switch
Power supply	DC12V±10%, ~420mA	DC12V±10%, ~420mA
Working temperature	-30°C ~ 50°C, 10% ~ 90% humidity	-30°C ~ 50°C, 10% ~ 90% humidity
IP Rating	IP66	IP66
Dimensions	206.5x67.6x68.5mm	104x82x93.2mm
Junction box	PR-B37JB	PR-B37JB

Special cameras / 2 - 4MP

	IV-390A37 V2	IV-390A37-UTP	IV-350A37	BX-391A
Image sensor	1/3" CMOS - 2MP (16:9)	1/3" CMOS - 2MP (16:9)	1/2.8" 5MP Sensor	1/2.7" CMOS - 2MP (16:9)
Effective Pixels	1984(H)×1225(V)	1984(H)×1225(V)	2608x1960	1984(H)×1225(V)
Frame rate	25/30FPS	25/30FPS	25/30FPS	25/30FPS
Day/night	True Day&Night (ICR)	True Day&Night (ICR)	True Day&Night-ICR	EXT, Color, B&W, Auto
Resolution	Digital:1920x1080 Analog:960H	Digital:1920x1080 Analog:960H	5MP: 2592x1944 AHD/TVI 4MP: 2560x1440 AHD/TVI/CVI CVBS: 700TVL	Digital:1920x1080 Analog:960H
Min. Illumination	0.01 Lux (0 Lux with IR On)	0.01Lux (0Lux with IR on)	Color 0.01lux @F1.2, AGC ON B/W 0lux with IR	0.001Lux
Lens	3.7mm Pinhole Lens (78°)	3.7mm Pinhole Lens (83°)	3.7mm Fixed Lens	-
IR LED	10m (18 IR LED)	10m (36 IR LED)	36pcs (10m)	CS Mount
Image enhancement	Off/BLC/HSBLC	Off/BLC/HSBLC	BLC	Off/BLC/HSBLC
Noise reduction	3D-DNR For AHD / CVI / TVI, 2D-DNR For CVBS	3D-DNR (AHD, CVI, TVI), 2D-DNR (CVBS)	3D-DNR	3D-DNR For AHD / 2D-DNR For CVBS
Privacy mask	On/Off (4 Areas)	On/Off (4 areas)	-	On/Off (4 Areas)
S/N Ratio	≥72dB (AGC Off)	≥80dB (AGC Off)	≥52dB(AGC OFF)	≥80dB (AGC Off)
D-Effect	Freeze, Mirror, Negative Image	Freeze, Mirror, Negative Image	Mirror + Flip	Freeze, Mirror, Negative Image
OSD Menu	Available via CoC Only (11 Languages)	Available via CoC Only (11 Languages)	Available via CoC Only	Available (11 Languages)
CoC Support	Yes	Yes	Yes	Yes
White balance	ATW,AWC,Indoor,Outdoor,Manual,AWB	ATW,AWC,Indoor,Outdoor,Manual,AWB	Auto / Auto->Set	ATW,AWC,Indoor,Outdoor,Manual,AWB
Video output	AHD/CVI/TVI/CVBS selectable via DIP switch	AHD / CVI (4MP Only) / TVI / CVBS + PAL/NTSC (Selectable by DIP switch)	5MP / 4MP (Selected by OSD Menu) AHD/TVI/CVI/CVBS (Selectable)	AHD / CVI / TVI / CVBS (Signal Selectable via Back Panel Controller)
Power supply	DC12V±10%, ~212mA	DC12V±10%, ~310mA	DC12V/300mA	DC12V±10%, ~80mA
Working temperature	-10°C~+50°C	-20°C~+50°C	-20°C~+50°C 90% Humidity	-20°C~+50°C (-4°F~+122°F)
IP Rating	-	-	-	-
Dimensions	104x60x66mm	95x69.5x58mm	104x70.8x93.2mm	139x68x62mm
Junction box	-	-	-	-

Special cameras / 2MP

	MW-392A37	MC-392A37	DL-392A37	DS-392A37
Image sensor	1/3" CMOS	1/3" CMOS	1/3" CMOS	1/3" CMOS
Effective Pixels	1984(H)×1225(V)	1984(H)×1225(V)	1984(H)×1225(V)	1984(H)×1225(V)
Frame rate	25/30FPS	25/30FPS	25/30FPS	25/30FPS
Day/night	Yes	Yes	Yes	Yes
Resolution	Digital:1920x1080 Analog:960H	Digital:1920x1080 Analog:960H	Digital:1920x1080 Analog:960H	Digital:1920x1080 Analog:960H
Min. Illumination	0.01Lux	0,01lux	0,01lux	0,01lux
Lens	3.7mm Pinhole Lens (83°)	3.7mm Pinhole Lens (78°)	3.7mm Pinhole Lens (78°)	3.7mm Pinhole Lens (78°)
IR LED	-	-	-	-
Image enhancement	Off/BLC/HSBLC	Off/BLC/HSBLC	Off/BLC/HSBLC	Off/BLC/HSBLC
Noise reduction	3D-DNR For AHD / CVI / TVI, 2D-DNR For CVBS	3D-DNR (AHD, CVI, TVI), 2D-DNR (CVBS)	3D-DNR (AHD, CVI, TVI), 2D-DNR (CVBS)	3D-DNR (AHD, CVI, TVI), 2D-DNR (CVBS)
Privacy mask	On/Off (4 areas)	On/Off (4 areas)	On/Off (4 areas)	On/Off (4 areas)
S/N Ratio	≥60dB (AGC Off)	≥72dB (AGC Off)	≥72dB (AGC Off)	≥72dB (AGC Off)
D-Effect	Freeze, Mirror, Negative Image	Freeze, Mirror, Negative Image	Freeze, Mirror, Negative Image	Freeze, Mirror, Negative Image
OSD Menu	Available(11 Languages, AHD/CVBS Output Selectable)	Available via CoC only, 11 Languages	Available(11 Languages, AHD/CVBS Output Selectable)	Available(11 Languages, AHD/CVBS Output Selectable)
CoC Support	Yes	Yes	Yes	Yes
White balance	ATW,AWC,Indoor,Outdoor,Manual,AWB	ATW,AWC,Indoor,Outdoor,Manual,AWB	ATW,AWC,Indoor,Outdoor,Manual,AWB	ATW,AWC,Indoor,Outdoor,Manual,AWB
Video output	AHD / CVI / TVI / CVBS (Selectable by DIP switch)	AHD / CVI / TVI / CVBS (Selectable by DIP switch)	AHD / CVI / TVI / CVBS (Selectable by DIP switch)	AHD / CVI / TVI / CVBS (Selectable by DIP switch)
Power supply	DC12V±10%, ~80mA	DC12V±10%, ~72mA	DC12V±10%, ~72mA	DC12V±10%, ~72mA
Working temperature	-20°C~+50°C	-10°C~+50°C	-10°C/+50°C	-10°C/+50°C
IP Rating	-	-	-	-
Dimensions	Lens Mount: 14.75x14.75x9.5mm + 1m Cable	35x35x10mm	Ø90x55mm	Ø125x50mm
Junction box	-	-	-	-

PTZ / 2MP

	I5PT-390AX4	I5PT-390AX10	MZ-10A-2(IR)	ZE-20A-2(IR)	ZP-20A-2(IR)
Image sensor	1/3" CMOS – 2MP (16:9)	1/3" CMOS – 2MP (16:9)	1/3" CMOS – 2MP (16:9)	1/2.8" CMOS – 2MP (16:9)	1/2.8" CMOS – 2MP (16:9)
Effective pixels	1984X1105	1984X1105	1920x1080	1920x1080	1920x1080
Max. resolution	AHD/CVI/TVI - 1080P Analog: 700TVL	AHD/CVI/ TVI - 1080P Analog: 700TVL	AHD/CVI/ TVI - 1080P Analog: 700TVL	AHD/CVI/TVI - 1080P ANALOG: 700TVL	AHD/CVI/TVI - 1080P ANALOG: 700TVL
Zoom/Lens	Optical zoom 4X / 2,8-12mm H: 81.2°(Wide) to 22.6°(Tele) V: 51.5°(Wide) to 12.8°(Tele)	Optical zoom 10X / 5,1-52mm H: 50.4°(Wide) to 5.4°(Tele) V: 29.7°(Wide) to 3°(Tele)	Optical zoom x10 (4.7-47mm) H: 54.7 (Wide) to 5.8 (Tele) V: 32.1 (Wide) to 3.3 (Tele)	Optical zoom 20X / 4.9-97mm H: 56.2° (Wide) to 3.1° (Tele) V: 33.4° (Wide) to 1.7° (Tele)	Optical zoom 20X / 4.9-97mm H: 56.2° (Wide) to 3.1° (Tele) V: 33.4° (Wide) to 1.7° (Tele)
Min. illumination	0,01lux (0lux IR On)	0,01lux (0lux IR On)	0,005 lux (0lux IR On)	0,01lux (0lux IR On)	0,01lux (0lux IR On)
Motion detection	Yes	Yes	-	Yes	Yes
Pan/Tilt range	250° horizontal - 65° vertical	250° horizontal - 65° vertical	360° (Endless)/ 180° (Auto Flip)	360° (Endless)/ 180° (Auto Flip)	360° (Endless)/ 180° (Auto Flip)
Pan/Tilt speed	12°/Sec (max. speed)	12°/Sec (max. speed)	Pan - 200°/Sec Tilt: 30°/Sec	H: 60°/s, V: 60°/s H: 0.01°/s - 60°/s,V: 0.01°/s - 45°/s	H: 350°/s, V: 120°/s H: 0.01°/s - 120°/s,V: 0.01°/s - 100°/s
IR distance	50m (IR LED ARRAY)	50m (IR LED ARRAY)	60m IR LED	100m IR LED Array	100m IR LED Array
Day&Night	ICR (Auto Day/Night)	ICR (Auto Day/Night)	Auto/Day/Night (ICR)	Auto/Day/Night (ICR)	Auto/Day/Night (ICR)
Noise reduction	3D-DNR	3D-DNR	3D-DNR	3D-DNR	3D-DNR
Focus	Semi-auto	Semi-auto	Auto / Manual	Auto/Manual	Auto/Manual
PTZ control	RS485/COC	RS485/COC	RS485/COC	RS485/COC	RS485/COC
Video output	PAL/NTSC - AHD/CVI/TVI/CVBS Selectable by Preset	PAL/NTSC - AHD/CVI/TVI/CVBS Selectable by Preset	PAL/NTSC - AHD/CVI/TVI/CVBS Selectable by Preset	PAL/NTSC - AHD/CVI/TVI/CVBS Selectable by Preset	PAL/NTSC - AHD/CVI/TVI/CVBS Selectable by Preset
Protocols	PELCO D, COC	PELCO D, COC	PELCO D/ PELCO P, COC	CoC / Pelco-D/P	CoC / Pelco-D/P
Alarms	-	-	-	-	-
Operation temperature	-20°C/+50°C	-20°C/+50°C	-20~+60°C	-20°C/+50°C	-20°C/+50°C
Power supply	DC12V/2A	DC12V/2A	DC12V/2A	12VDC/2A	124VAC/3A
Dimensions	255X175X94mm	255X175X94mm	208X251X136mm	290X290X420mm	290X290X420mm
IP Rating	IP66	IP66	IP66	IP66	IP66
Junction Box	-	-	pag 98	pag 98	pag 98

DVR
Digital Video Recorders

DVR systems are the "heart" of any CCTV installation. All information streamed from the cameras accumulates in the DVR. The DVR captures the video signal coming from the camera, converts and saves it in digital format. Therefore, the DVR's quality is as important as the cameras' when it comes down to the final video resolution. Moreover, since all the recording data is saved and rewritten repeatedly on the DVR, it must be an extremely reliable and high-standard product. Provision-ISR DVRs are designed and manufactured according to researched and practiced knowledge over many years of experience. All DVRs use the advanced H.264-H.265 video compression format to deliver maximum video quality while using minimum storage volume.

Provision-ISR DVRs are made of the highest quality components and are adapted to work in a wide range of different conditions and applications.
All of our DVRs stand out for their "full feature" operating system with a user-friendly graphical interface running from its powerful processor.
Depending on the model, our DVRs include digital VGA and HDMI monitor out, analog video out, audio in/out, RS-485 for PTZ control, and alarm in/alarm out sockets.

The range of DVRs is also supported by a robust network function for remote monitoring, complete remote configuration and mobile device application for remote monitoring.

Model name index

example	SH	-	4	100	A	-	2L	MM
	SH	-	32	200	A5	-	8	2U

Resolution		n° channels		Total FPS		Technology		Resolution		Case	
SH	Standalone Dynamic Hybrid	4	4 Channels	050	50 fps (PAL) / 60 fps (NTSC)	A	4 in 1	2L	1080P Lite	"none"	Small 1U case 1HDD support
		8	8 Channels	100	100 fps (PAL) / 120 fps (NTSC)	A5	4in1 with H.265 support	2	1080p	MM	mini metal case 1HDD support
		16	16 Channels	200	200 fps (PAL) / 240 fps (NTSC)			5L	5MP Lite	1U	1U case 2HDD support
		32	32 Channels	400	400 fps (PAL) / 480 fps (NTSC)			5	5MP	1.5U	1.5U case 4HDD support
				800	800 fps (PAL) / 960 fps (NTSC)			8L	8MP Lite	2U	2U case 8HDD support
								8	8MP		

HYBRID DVR / 2MP LITE

			Coming soon		Coming soon		Coming soon
	SH-4100A-2L(MM)	**SH-4100A5-2L(MM)**	**SH-4100A5N-2L(MM)**	**SH-8100A5-2L(MM)**	**SH-8100A5N-2L(MM)**	**SH-16200A5-2L(MM)**	**SH-16200A5N-2L(MM)**
Channels	5 Channels		6 Channels	10 Channels	12 Channels	18 Channels	18 Channels
Hybrid Modes	4 ... 0 + + + 1 ... 5	4 ... 0 + + + 2 ... 6	4 + 2	8 ... 0 + + + 2 ... 10	8 + 4	16 ... 8 + + + 2 ... 10	16 + 2
Video output	HDMI: 1920x1080 (1080P) VGA: 1280x1024, 1024x768		HDMI(1920x1080), VGA(1280x1024, 1024x768), CVBS(Spot)	HDMI: 1920x1080 (1080P) VGA: 1280x1024, 1024x768		HDMI: 1920x1080 (1080P) VGA: 1280x1024, 1024x768 CVBS (spot)	

Max. Recording						
AHD	2MP Lite (928x960)@25FPS			2MP Lite (928x960)@12FPS	2MP Lite (928x960)@12FPS	
CVBS	960H@25FPS			960H@25FPS	960H@25FPS	
TVI/CVI	2MP Lite (928x960)@25FPS			2MP Lite (928x960)@12FPS	2MP Lite (928x960)@12FPS	
IP	2MP (1920x1080)@25FPS	3MP (2560x1440)@25FPS		5MP and lower: 30/25FPS Per Channel	5MP and lower: 30/25FPS Per Channel	

Video compression	H.264 High Profile	H.265 / H.264		H.265 / H.264	H.265 / H.264
Video Analytics	Yes			Yes	Yes
Audio In/Out	1 RCA in / 1 RCA Out			1 RCA in / 1 RCA Out	1 RCA in / 1 RCA Out
Alarm In/Out	IPC Only			IPC Only	IPC Only
Playback (Local/Remote)	4/5 CH		4Ch/4Ch	8/4 CH	16/8 CH
Backup format	AVI/DAT			AVI/DAT	AVI/DAT
Browsers and WEB connection	IE,P2P, DDNS, IP			IE,P2P, DDNS, IP	IE,P2P, DDNS, IP
VMS	Ossia VMS for Windows and Mac OS			Ossia VMS for Windows and Mac OS	Ossia VMS for Windows and Mac OS
Hard Disk	1 SATA (6 TB Max)			1 SATA (6 TB Max)	1 SATA (6 TB Max)
APP Smartphone/Tablet	Provision CAM2 (Android-iOS)			Provision CAM2 (Android-iOS)	Provision CAM2 (Android-iOS)
Power supply	DC12V 2A (Power supply included)			DC12V 2A (Power supply included)	DC12V 2A (Power supply included)
Dimensions	255x220x43mm			255x220x43mm	255x220x43mm

VIDEO ANALYTICS - AHD cameras: Line Crossing (No direction choice), Sterile Area, Smart search. IP cameras: Line Crossing (With direction choice), Sterile Area, Object Monitoring, Camera Tampering, Smart Search.

HYBRID DVR / 5MP LITE

		SH-4050A5-5L (MM)	Coming soon SH-4050A5N-5L(MM)	SH-4050A5-5L	Coming soon SH-4050A5N-5L	SH-8100A5-5L(MM)	Coming soon SH-8100A5N-5L(MM)
Channels		6 Channels		6 Channels		12 Channels	
Hybrid Modes	HD Analog IP	4 ... 0 + + + 2 ... 6	4 + 2	4 ... 0 + + + 2 ... 6	4 + 2	8 ... 0 + + + 4 ... 12	8 + 4
Video output		HDMI: 1920x1080 (1080P) VGA: 1280x1024, 1024x768 CVBS (spot)		HDMI: 1920x1080 (1080P) VGA: 1280x1024, 1024x768 CVBS (spot)		HDMI: 1920x1080 (1080P) VGA: 1280x1024, 1024x768 CVBS (spot)	
Max. Recording	AHD	5MP Lite (1280x1936)@10FPS 2MP (1920x1080)@12FPS		5MP Lite (1280x1936)@10FPS 2MP (1920x1080)@12FPS		5MP Lite (1280x1936)@10FPS 2MP (1920x1080)@12FPS	
	CVBS	960H@25FPS		960H@25FPS		960H@25FPS	
	TVI/CVI	5MP Lite (1280x1936)@10FPS 2MP (1920x1080)@12FPS		5MP Lite (1280x1936)@10FPS 2MP (1920x1080)@12FPS		5MP Lite (1280x1936)@10FPS 2MP (1920x1080)@12FPS	
	IP	5MP and lower: 30/25FPS Per Channel		5MP and lower: 30/25FPS Per Channel		5MP and lower: 30/25FPS Per Channel	
Video compression		H.264 - H.265		H.264 - H.265		H.264 - H.265	
Video Analytics		Yes		Yes		Yes	
Audio In/Out		1 RCA in + IPC / 1 RCA Out		4 RCA in + IPC / 1 RCA Out		1 RCA in + IPC / 1 RCA Out	
Alarm In/Out		IPC Only		4 in + IPC / 1 Out + IPC		IPC Only	
Playback (Local/Remote)		4Ch/4Ch		4Ch/4Ch		8Ch/4Ch	
Backup format		AVI/DAT		AVI/DAT		AVI/DAT	
Browsers and WEB connection		IE,P2P, DDNS, IP		IE,P2P, DDNS, IP		IE,P2P, DDNS, IP	
VMS		Ossia VMS for Windows and Mac OS		Ossia VMS for Windows and Mac OS		Ossia VMS for Windows and Mac OS	
Hard Disk		1 SATA (8 TB Max)		1 SATA (8 TB Max)		1 SATA (6 TB Max)	
APP Smartphone/Tablet		Provision CAM2 (Android-iOS)		Provision CAM2 (Android-iOS)		Provision CAM2 (Android-iOS)	
Power supply		12V/2A (Power supply included)		12V/2A (Power supply included)		12V/2A (Power supply included)	
Dimensions		255x220x43mm		300x250x45mm		255x220x43mm	

VIDEO ANALYTICS - AHD cameras: Line Crossing (No direction choice), Sterile Area, Smart search. IP cameras: Line Crossing (With direction choice), Sterile Area, Object Monitoring, Camera Tampering, Smart Search.

HYBRID DVR / 5MP LITE

		SH-8100A5-5L	Coming soon SH-8100A5N-5L	SH-16200A5-5L(MM)	Coming soon SH-16200A5N-5L(MM)	SH-16200A5-5L(1U)	Coming soon SH-16200A5N-5L(1U)	SH-32400A5-5L(1.5U)
Channels		12 Channels		24 Channels		24 Channels		40 Channels
Hybrid Modes	HD Analog + IP	8 ... 0 + + + 4 ... 12	4 + 2	16 ... 8 + + + 8 ... 16	16 + 8	16 ... 8 + + + 8 ... 16	16 + 8	32 ... 24 + + + 8 ... 16
Video output		HDMI: 1920x1080 (1080P) VGA: 1280x1024, 1024x768 CVBS (spot)		HDMI: 1920x1080 (1080P) VGA: 1280x1024, 1024x768 CVBS (spot)		HDMI: 1920x1080 (1080P) VGA: 1280x1024, 1024x768 CVBS (spot)		HDMI: 1920x1080 (1080P) VGA: 1280x1024, 1024x768 CVBS (spot)
Max. Recording	AHD	5MP Lite (1280x1936)@10FPS 2MP (1920x1080)@12FPS		5MP Lite (1280x1936)@10FPS 2MP (1920x1080)@12FPS		5MP Lite (1280x1936)@10FPS 2MP (1920x1080)@12FPS		5MP Lite (1280x1936)@10FPS 2MP (1920x1080)@12FPS
	CVBS	960H@25FPS		960H@25FPS	-	960H@25FPS		960H@25FPS
	TVI/CVI	5MP Lite (1280x1936)@10FPS 2MP (1920x1080)@12FPS		5MP Lite (1280x1936)@10FPS 2MP (1920x1080)@12FPS CVI 4 MP Lite/2MP @12FPS		5MP Lite (1280x1936)@10FPS 2MP (1920x1080)@12FPS CVI 4 MP Lite/2MP @12FPS		5MP Lite (1280x1936)@10FPS 2MP (1920x1080)@12FPS CVI 4 MP Lite/2MP @12FPS
	IP	5MP@25FPS		5MP@25FPS		5MP@25FPS		5MP@25FPS
Video compression		H.264 - H.265		H.264 - H.265		H.264 - H.265		H.264 - H.265
Video Analytics		Yes		Yes		Yes		Yes
Audio In/Out		8 RCA in + IPC / 1 RCA Out		1 RCA in + IPC / 1 RCA Out		8 RCA in + IPC / 1 RCA Out		16 RCA in + IPC / 1 RCA Out
Alarm In/Out		8 in + IPC / 2 Out + IPC		IPC Only		16 in + IPC / 4 Out + IPC		16 in-4 Out
Playback (Local/Remote)		8Ch/4Ch		16 CH		16 CH		16CH
Backup format		AVI/DAT		AVI/DAT		AVI/DAT		AVI/DAT
Browsers and WEB connection		IE,P2P, DDNS, IP		IE,P2P, DDNS, IP		IE,P2P, DDNS, IP		IE,P2P, DDNS, IP
VMS		Ossia VMS for Windows and Mac OS		Ossia VMS for Windows and Mac OS		Ossia VMS for Windows and Mac OS		Ossia VMS for Windows and Mac OS
Hard Disk		1 SATA (8 TB Max) 1 ESATA Port		1 SATA (6 TB Max)		2 SATA (8 TB Max each) with smart management, 1 ESATA Port		4 SATA (8 TB Max each) with smart management
APP Smartphone/Tablet		Provision CAM2 (Android-iOS)		Provision CAM2 (Android-iOS)		Provision CAM2 (Android-iOS)		Provision CAM2 (Android-iOS)
Power supply		12V/2A (Power supply included)		12V/2A (Power supply included)		12V/4A (Power supply included)		AC110-220V
Dimensions		300x250x45mm		255x220x43mm		375x275x45mm		440X390X80mm

VIDEO ANALYTICS - AHD cameras: Line Crossing (No direction choice), Sterile Area, Smart search. IP cameras: Line Crossing (With direction choice), Sterile Area, Object Monitoring, Camera Tampering, Smart Search.

HYBRID DVR / 8MP LITE

		SH-4050A5-8L(MM)	Coming soon SH-4050A5N-8L(MM)	SH-4050A5-8L	Coming soon SH-4050AN5-8L	SH-8100A5-8L(MM)	Coming soon SH-8100A5N-8L(MM)	SH-8100A5-8L(1U)	Coming soon SH-8100A5N-8L(1U)
Channels		6 Channels		6 Channels		16 Channels		16 Channels	
Hybrid Modes	HD Analog	4 ... 0 + + + 2 ... 6	4 + 2	4 ... 0 + + + 2 ... 6	4 + 2	8 ... 0 + + + 8 ... 16	8 + 8	8 ... 0 + + + 8 ... 16	8 + 8
	IP								
Video output		HDMI1: 4K HDMI2: 1920x1080 (1080P) VGA: 1280x1024, 1024x768 CVBS (spot)		HDMI1: 4K HDMI2: 1920x1080 (1080P) VGA: 1280x1024, 1024x768 CVBS (spot)		HDMI1: 4K HDMI2: 1920x1080 (1080P) VGA: 1280x1024, 1024x768 CVBS (spot)		HDMI1: 4K HDMI2: 1920x1080 (1080P) VGA: 1280x1024, 1024x768 CVBS (spot)	
Max. Recording	AHD	8MP Lite (1920x2160)@12FPS 5 MP @12FPS		8MP Lite (1920x2160)@12FPS 5 MP @12FPS		8MP Lite (1920x2160)@12FPS 5 MP @12FPS		8MP Lite (1920x2160)@12FPS 5 MP @12FPS	
	CVBS	960H@25FPS		960H@25FPS		960H@25FPS		960H@25FPS	
	TVI/CVI	8MP Lite (1920x2160)@12FPS 5 MP @12FPS / CVI 4 MP@12FPS		8MP Lite (1920x2160)@12FPS 5 MP @12FPS / CVI 4 MP@12FPS		8MP Lite (1920x2160)@12FPS 5 MP @12FPS / CVI 4 MP@12FPS		8MP Lite (1920x2160)@12FPS 5 MP @12FPS / CVI 4 MP@12FPS	
	IP	8MP@25FPS		8MP@25FPS		8MP@25FPS		8MP@25FPS	
Video compression		H.265/ H.264		H.265/ H.264		H.265/ H.264		H.265/ H.264	
Video Analytics		Yes		Yes		Yes		Yes	
Audio In/Out		1 + depends on IPC 1 RCA + depends on IPC		1 + depends on IPC 1 RCA + depends on IPC		1 + depends on IPC 1 RCA + depends on IPC		8 RCA in + IPC / 1 RCA Out	
Alarm In/Out		IPC Only		IPC Only		IPC Only		8 in + IPC / 2 Out + IPC	
Playback (Local/Remote)		4 CH		4 CH		8 CH		8 CH	
Backup format		AVI/DAT		AVI/DAT		AVI/DAT		AVI/DAT	
Browsers and WEB connection		IE,P2P, DDNS, IP		IE,P2P, DDNS, IP		IE,P2P, DDNS, IP		IE,P2P, DDNS, IP	
VMS		Ossia VMS for Windows and Mac OS		Ossia VMS for Windows and Mac OS		Ossia VMS for Windows and Mac OS		Ossia VMS for Windows and Mac OS	
Hard Disk		1 SATA (8 TB Max)		1 SATA (8 TB Max)		1 SATA (8 TB Max each) with smart management		2 SATA (8 TB Max each) with smart management. 1 ESATA	
APP Smartphone/Tablet		Provision CAM2 (Android-iOS)		Provision CAM2 (Android-iOS)		Provision CAM2 (Android-iOS)		Provision CAM2 (Android-iOS)	
Power supply		12V/2A (Power supply included)		12V/2A (Power supply included)		12V/2A (Power supply included)		12V/4A (Power supply included)	
Dimensions		255x220x43mm		255x220x43mm		255x220x43mm		375x275x45mm	

VIDEO ANALYTICS - AHD cameras: Line Crossing (No direction choice), Sterile Area, Smart search. IP cameras: Line Crossing (With direction choice), Sterile Area, Object Monitoring, Camera Tampering, Smart Search.

HYBRID DVR / 8MP LITE

SH-16200A5-8L(1U)

Channels		24 Channels
Hybrid Modes	HD Analog	16 ... 8
	IP	+ + + 8 ... 16
Video output		HDMI1: 4K HDMI2: 1920x1080 (1080P) VGA: 1280x1024, 1024x768 CVBS (spot)
Max. Recording	AHD	8MP Lite (1920x2160)@12FPS 5 MP @12FPS
	CVBS	960H@25FPS
	TVI/CVI	8MP Lite (1920x2160)@12FPS 5 MP @12FPS / CVI 4 MP@12FPS
	IP	8MP@25FPS
Video compression		H.265/ H.264
Video Analytics		Yes
Audio In/Out		16 RCA in + IPC / 1 RCA Out
Alarm In/Out		16 in + IPC / 4 Out + IPC
Playback (Local/Remote)		16CH
Backup format		AVI/DAT
Browsers and WEB connection		IE,P2P, DDNS, IP
VMS		Ossia VMS for Windows and Mac OS
Hard Disk		2 SATA (8 TB Max each) with smart management. 1 ESATA
APP Smartphone/Tablet		Provision CAM2 (Android-iOS)
Power supply		12V/4A (Power supply included)
Dimensions		375x275x45mm

HYBRID DVR / 8MP PRO

SH-8100A5-8(1U)

SH-32200A5R-8(2U)

Channels		16 Channels	64 Channels
Hybrid Modes	HD Analog	8 ... 0	32 ... 0
	IP	+ + + 8 ... 16	+ + + 32 ... 64
Video output		HDMI (4K, 1920x1080), VGA (1280x1024, 1024x768), CVBS(Spot)	HDMI1(4K, 1920x1080, 1280x1024), HDMI2 + VGA (1920x1080, 1280x1024, 1024x768), CVBS(Spot)
Max. Recording	AHD	8MP @12FPS 5 MP @20FPS	8MP @8FPS 5 MP @12FPS
	CVBS	960H@25FPS	960H@25/30FPS
	TVI/CVI	8MP @12FPS 5 MP @20FPS / CVI 4 MP@12FPS	8MP @8FPS 5 MP @12FPS / CVI 8MP @8FPS
	IP	8MP@25FPS	8MP@25/30FPS
Video compression		H.265 (HEVC) / H.264	H.265 (HEVC) / H.264
Video Analytics		Yes	Yes
Audio In/Out		8 RCA in + IPC / 1 RCA Out	16 RCA in + IPC / 1 RCA Out
Alarm In/Out		8 in + IPC / 2 Out + IPC	16 in + IPC / 8 Out + IPC
Playback (Local/Remote)		8CH / 8CH	16CH / 36CH
Backup format		AVI/DAT	AVI/DAT
Browsers and WEB connection		IE,P2P, DDNS, IP	IE,P2P, DDNS, IP
VMS		Ossia VMS for Windows and Mac OS	Ossia VMS for Windows and Mac OS
Hard Disk		2 SATA (8 TB Max each) with smart management. 1 ESATA (8 TB)	8 SATA (8 TB Max each) with smart management. 1 ESATA (8 TB)
APP Smartphone/Tablet		Provision CAM2 (Android-iOS)	Provision CAM2 (Android-iOS)
Power supply		12V/4A	AC110V/220V
Dimensions		375x275x45mm	430x445x97mm

VIDEO ANALYTICS - AHD cameras: Line Crossing (No direction choice), Sterile Area, Smart search. IP cameras: Line Crossing (With direction choice), Sterile Area, Object Monitoring, Camera Tampering, Smart Search.

ONE STOP SHOP

- Alarm box
- Video server
- HDMI Accessories
- Baluns
- Connectors
- Monitors and test monitors
- Power supplies
- Keyboards
- Lenses
- Junction boxes

Provision-ISR is a One-Stop-Shop for all CCTV product needs. We have created a full range of CCTV accessories (monitors, power supplies, brackets, junction boxes, connectors, baluns, Etc.) matching all types of CCTV installations.
We understand the need for tested and reliable CCTV accessories and set high-quality standards for all products.

ALARM BOX

IO-1606

Expand your device's alarm capabilities using our plug-and-play IO-1606 alarm box!
All you need to do is plug the alarm box to the device, using the supplied USB cable, and immediately get additional 16 alarms in and 6 alarms out!

Specifications

		IO-1606
Connectivity	Alarm Input	16 Dry contacts
	Alarm Output	6 Dry contacts
	Connection Interface	Micro USB
	Power Supply	5VDC/1A
	Power Consumption	<5W
Housing	Bracket	Wall Mount
	Dimensions	140mmx74mmx29mm
	Weight(gross)	180g
	Work Environment	-10°C~50°C, 10%~90% Humidity

Compatibility

DVRs	
All	Supported from v1.3.4

NVRs	
NVR5-4100X+(MM)	
NVR5-4100PX+(MM)	
NVR5-8200X+(MM)	
NVR5-8200PX+(MM)	Supported from Production
NVR8-16400PF(1.5U)	
NVR8-32800F-16P(2U)	
NVR8-32800F(2U)	
NVR8-16400A(1U)	
NVR8-16400F(1U)	Supported from v1.4.1
NVR8-32800F(1U)	

VIDEO SERVER

DVS-IP5-4

- Video input: 1CH Standard BNC (1.0Vp-p, impedance : 75Ω)
- Supported resolution:4 MP
- Frame rate: 1-25 / 30 FPS
- Noise reduction: Yes
- Motion detection: Yes
- Privacy mask: Yes
- Video analytics: Yes
- Image orientation: Mirror / flip / corridor mode
- Multi-stream: 4 MP / 3 MP / 2 MP / 1 MP / D1 / CIF (1-25/30 FPS)

- Bit rate: 64 Kbps - 6 Mbps
- Encode mode: VBR/CBR
- Analog video output: CVBS (BNC)
- Audio input: Yes; Audio output: Yes
- SD card: Up to 128 Gb (Micro SD)
- Power supply: DC12V-300mA / PoE-3W
- Alarm: 1 In / 1 Out
- Video compression: H.264-H265
- Dimensions: 140 mm x 75 mm x 30 mm
- Operation temperature: -20°C / 55°C

HDMI ACCESSORIES

PR-HDMItoVGA

PR-HDEx(4K)

HDMI To VGA converter

- Supports: all HD formats up to 1080P @ 30 fps
- Support HDMI 1.4b
- No support for HDMI audio (Will be lost)
- No power required

HDMI Repeater

- Supports: all HD formats up to 4K @ 30 fps.
- Support HDMI 1.4b
- Support up to 40 meters total transmission distance (AWG 26 cable standard)
- 1080P resolution:
- Input: up to 15 meters,
- Output: up to 25 meters
- 4K resolution:
- Input: up to 5 meters
- Output: up to 8 meters
- Note: working distance may be affected by the cable quality and length
- No power required

HDMI ACCESSORIES

PR-SP102(4K)

PR-SP104(4K)

1 To 2 HDMI Splitter

- Support HDMI resolution up to 4K@30Hz
- Support digital audio format: DTS-HD/Dolby-true HD/DTS/Dolby-AC3/DSD/HD(HBR)
- Supported HDMI cable distance: (AWG 26 cable standard)
- Resolution: 1080P
- Input: up to 15 meters,
- Output: up to 15 meters
- Resolution: 4K
- Input: up to 8 meters
- Output: up to 8 meters
- Note: Working distance may be affected by the cable quality and length
- DC5V power supply needed (USB Power cable included)

1 To 4 HDMI Splitter

- Support HDMI resolution up to 4K@30Hz
- Support digital audio format: DTS-HD/Dolby-true HD/ DTS/ Dolby-AC3/ DSD/ HD(HBR)
- Supported HDMI cable distance: (AWG 26 cable standard)
- Resolution: 1080P
- Input: up to 15 meters,
- Output: up to 15 meters
- Resolution: 4K
- Input: up to 8 meters
- Output: up to 8 meters
- Note: Working Distance may be affected by the cable quality and length
- Include DC5V power supply

HDMI ACCESSORIES

PR-SW301(4K)

3 To 1 HDMI Switcher

· Compatible with HDMI 1.4a.
· Support up to 4K@30Hz.
· Deep color 12bit per channel
· "Smart switching" function that can detect live HDMI signal in different channels and switch to it automatically
· No power supply required for standard installation. If the HDMI output cable exceeds 5m – a CD5V power supply will be required (Not included)

PR-4In1-Con

4 In1 HD signal converter

· Converts AHD/TVI/CVI/CVBS signal to HDMI/VGA/BNC standard display outputs.
· Support 720P/1080P/4MP/5MP HD Analog Input
· HDMI output compatible with HDCP, HDMI1.4
· HDMI output resolutions: 720P@50/60Hz, 1080P@50/60Hz
· VGA output resolutions: 800x600@60Hz, 1024x768@60Hz, 1366x768@60Hz, 1280x720@60Hz, 1920x1080@60Hz
· Selectable output and resolution by a physical button on the device
· Supports both NTSC/PAL Video inputs –Automatic detection
· Maximum output distance: HDMI: 20 meters, VGA: 5 meters, CVBS: 500 meters

HDMI ACCESSORIES

PR-HDoNet-E

HDMI over Network Extender

· Transmit HDMI signal over Ethernet cable
· Working distance:
- Up to 10m distance over cat5e cable.
- Up to 20m over Cat6 cable
· HDMI 1.3&3D support
· Support video resolution of up to 1080P@60Hz

PR-HDoNet+

HDMI over Network Extender

· Transmit HDMI signal over Ethernet cable
· Working distance:
- Up to 40m distance over cat5e cable.
- Up to 60m over Cat6 cable
· HDMI 1.3&3D support
· 12Bit deep color and bandwidth of up to 225Mhz support
· Support video resolution of up to 1080P@60Hz
· Supported Audio formats: DTS-HD/Dolby-true HD/LPCM7.1/DTS/Dolby-AC3/DSD
· DC5V power supply included

PR-HDKVMoNet

HDMI USB KVM Extender Over Cat5e/Cat6

· Working distance:
- Up to 100m distance over cat5e cable
- Up to 130m over Cat6 cable
· HDMI1.3 & 3D Support
· 12Bit deep color and bandwidth of up to 225Mhz support
· Support video resolution of up to 1080P@60Hz
· Supported Audio formats: DTS-HD/Dolby-trueHD/LPCM7.1/DTS/DolbyAC3/DSD
· Support USB2.0 Keyboard and mouse transmission
· Support IR signal transmission
· DC5V power supplies included

BALUNS / HIGH POWER BALUNS

PTR-101V-HD-8

PTR-102V-HD+

PTR-103VHP-HD

1CH 8MP Video Passive Balun

- Passive transmission - No power required
- 8MP 4in1 support: AHD / CVI /TVI / CVBS.
- Transmission Distance: AHD / CVBS - 200M / CVI / TVI - 150M.
- Friendly "Tool Free" Terminal Connector
- Built-in TVS for Surge Protection
- Anti Static Design
- Wave Filter Design
- Designed for Cat.5e/6 Cables

1CH 8MP Video+Power Passive Balun

- 1CH HD VIDEO + POWER PASSIVE BALUN
- Passive transmission - No additional power required
- Friendly "Tool Free" Terminal Connector
- Built-in TVS for Surge Protection
- Transmission Distance: AHD / CVBS - 200M, CVI / TVI - 150M
- Anti Static Design
- Wave Filter Design
- Designed for Cat.5e/6 Cables

1CH HD VIDEO + HIGH POWER PASSIVE BALUN

- Passive transmission - No additional power required
- High-Power Input: 12-36VDC, Power output: 12VDC Stable Output
- Friendly "Tool Free" Terminal Connector
- Built-in TVS for Surge Protection
- 5MP 4in1 support: AHD / CVI /TVI / CVBS
- Transmission Distance: AHD / CVBS / CVI / TVI- 200M (deatilesd info in specs file).
- Anti Static Design
- Wave Filter Design
- Designed for Cat.5e/6 Cables

CONNECTORS

PR-C01

CONNECTOR
BNC male to RCA female

PR-C03

"T" CONNECTOR
BNC male to 2 BNC female

PR-C04

CONNECTOR
BNC female to RCA male

PR-C07

CONNECTOR
BNC female to BNC female

PR-C08

CONNECTOR
DC jack male

PR-C09

CONNECTOR
DC jack female

PR-C10

DC CABLE WITH MALE JACK
25 cm length

PR-C12

BNC PLUG

PR-C13

BNC PLUG
(one set with three pcs) for ratchet BNC cramping tool.

PR-C14

DC SPLITTER 1-4

TEST MONITORS

EOL
TM-43AHDBL

New
TM-434in1-8

TM-54in1-2

New
TM-54in1-8

4.3" TFT LCD TEST MONITOR

- Supported Video formats: 1MP /2MP AHD / CVBS
- Image settings support
- Installation without external Power Source
- 12VDC Output (Plug Supplied)
- 5VDC Output (Micro USB Plug Supplied)
- Network Cable Tester Included
- Audio in with Built-in Speaker
- PAL/NTSC Support
- Status LED Indicators
- Built-In Long-Life Rechargeable Battery
- Hands-Free Operation (Arm strap supplied)

4.3" TFT LCD TEST MONITOR

- 8MP 4in1 support: AHD / CVI /TVI / CVBS
- Image settings support
- 12VDC Output (Plug Supplied)
- 5VDC Output (Micro USB Plug Supplied)
- Audio in with Built-in Speaker
- PAL/NTSC Support
- Status LED Indicators
- Built-In Long-Life Rechargeable Battery
- Hands-Free Operation (Arm strap supplied)
- Light Weight

5" TFT LCD TEST MONITOR

- 2MP 4in1 support: AHD / CVI /TVI / CVBS
- BNC x 1, VGA x 1 Input
- Image settings support
- 12VDC Output (Plug Supplied)
- 5VDC Output (Micro USB Plug Supplied)
- Audio in with Built-in Speaker
- PAL/NTSC Support
- Status LED Indicators
- Built-In Long-Life Rechargeable Battery
- Hands-Free Operation (Arm strap supplied)
- Light Weight

5" TFT LCD TEST MONITOR

- 8MP 4in1 support: AHD / CVI /TVI / CVBS
- Image settings support
- 12VDC Output (Plug Supplied)
- 5VDC Output (Micro USB Plug Supplied)
- Audio in with Built-in Speaker
- PAL/NTSC Support
- Status LED Indicators
- Built-In Long-Life Rechargeable Battery
- Hands-Free Operation (Arm strap supplied)
- Light Weight

MONITORS

PR-IPS7*

PR-TFT9HD*

PR-IPS10P-W*

ULTRA THIN

ULTRA THIN

ULTRA THIN

TFT 7" Digital Monitor

- Screen Size: 7" TFT Screen
- Resolution: 1024x600
- TV System: PAL / NTSC
- Power Supply: DC 12V, 1A (Power supply not included)
- Video Input: 1VP-P, 75Ohm
- Inputs: AV1, AV2, Power
- Work Temperature: -10°C ~ 60°C
- Viewing Angle: 85° (All Directions)
- Contrast Ratio: 300:01:00
- Brightness: 260CD/m2
- Weight: 0.80Kg
- Dimensions: 177W x 117H x 15D mm

TFT 9" Digital Monitor

- Screen Size: 9" TFT Screen
- Resolution: 1024x600
- TV System: PAL / NTSC
- Power Supply: DC 12V, 1A (Power supply not included)
- Video Input: 1VP-P, 75Ohm
- Inputs: AV1, AV2, Power
- Work Temperature: -10°C ~ 60°C
- Viewing Angle: 70°/70°/70°/50° (L/R/U/D)
- Contrast Ratio: 300:01:00
- Brightness: 260CD/m2
- Weight: 0.85Kg
- Dimensions: 220W x 140H x 16D mm

TFT 10" Digital Monitor

- Screen Size: 10" TFT Screen
- Resolution: 1024x600
- TV System: PAL / NTSC
- Power Supply: DC 12V, 1A (Power supply not included)
- Video Input: 1VP-P, 75Ohm
- Inputs: AV1, AV2, VGA, HDMI, Power
- Work Temperature: -10°C ~ 60°C
- Viewing Angle: 85° (All Directions)
- Contrast Ratio: 300:01:00
- Brightness: 260CD/m2
- Weight: 1.2Kg
- Dimensions: 250W x 163H x 16D mm

*Upon availability

POWER SUPPLIES

PR-12V1A-A	PR-12V3A	PR-12V5A	PR-12V5A-4	PR-12V5A-4T
Power supply 12V 1A	Power supply 12V 3A	Power supply 12V 5A	Power supply 12V 5A + 4 SPLITTER	Terminal block 12VDC 5A power supply

PR-5A8CH+	PR-5A8CH-B	PR-10A9CH+
8CH Power Supply 12V 5A with power socket 8 PORTS	8CH Power Supply 12V 5A with power socket Battery up to 7 Ah - 8 PORTS	9CH Power Supply 12V 10A 9 PORTS

PR-10A9CH-B	PR-12A16CH+	PR-20A16CH (1U)
9CH Power Supply 12V 10A with power socket Battery up to 17 Ah - 9 PORTS	16CH Power Supply 12V 12A with power socket 16 PORTS	16CH Power Supply 12V 20A -1U CASE 16 PORTS

KEYBOARDS

IP-KEY01

C06

Keyboard with joystick for IP PTZ
*Available upon request

Keyboard with joystick for analog speed dome
(RS-485) and supporting DVRs/NVRs
*Available upon request

LENSES

03610DCMP-6

Resolution	6MP			Relative Aperture	1.5 ± 5%
Focal-length	3.6-10mm±5%			Mount	CS
Format	1/1.8"			Focus Range	0.3 m ~ ∞
	CMOS Size	Horizontal	Vertical	Diagonal	Weight	43g

	CMOS Size	Horizontal	Vertical	Diagonal		
Angle of View	1/1.8"	95°~ 40°	62° ~ 26°	120° ~ 48°	Focus	Manual focus and zoom
	1/2.7"	/	/	/	Iris	Auto
	1/3"	/	/	/	Operating Temperature	-20C°~+60C°
	1/4"	/	/	/	Back Focal-length	6.6mm

New
0550DCMP-8

Resolution	8MP			Relative Aperture	F1.4±5%
Focal-length	5-50mm±5%			Mount	CS
Format	d. 7(1/2.7")(MAX)			Focus Range	0.3m~ ∞

	CMOS Size	Horizontal	Vertical	Diagonal		
					Weight	180.8±5g
Angle of View	1/2.5"	/	/	/	Focus	Manual
	1/2.7"	103°-30.8°	74.4°-23.3°	138°-40°	Iris	Auto Iris
	1/3"	91°-28°	67.5°-21.2°	120.8°-36°	Operating Temperature	-20C°~+60C°
	1/4"	73°-23.4°	44.8°-14.8 °	87.6°-27.8°	Back Focal-length	7.58mm

02812DCMP-3 V2

Resolution	3MP			Relative Aperture	1.4±5%
Focal-length	2.8-12mm±5%			Mount	CS
Format	d. 6.6(1/2.7")(MAX)			Focus Range	0.2 m ~ ∞

	CMOS Size	Horizontal	Vertical	Diagonal		
					Weight	42g
Angle of View	1/2.5"	/	/	/	Focus	Manual focus and zoom
	1/2.7"	103°-30.8°	74.4°-23.3°	138°-40°	Iris	Auto
	1/3"	91°-28°	67.5°-21.2°	120.8°-36°	Operating Temperature	-20C°~+60C°
	1/4"	73°-23.4°	44.8°-14.8 °	87.6°-27.8°	Back Focal-length	6.52mm±0.1

01250DCMP-3

Resolution	3MP			Relative Aperture	1.5±5%
Focal-length	12-50mm±5%			Mount	CS
Format	d. 6.6(1/1.8")(MAX)			Focus Range	2.5m~

	CMOS Size	Horizontal	Vertical	Diagonal		
					Weight	154.4g
Angle of View	1/1.8"	33°-8.6°	20°-4.8°	38°-9.8°	Focus	Manual focus and zoom
	1/2.7"	26°-6.6°	15°-3.7°	30°-7.6°	Iris	Auto
	1/3"	/	/	/	Operating Temperature	-20C°~+60C°
	1/4"	/	/	/	Back Focal-length	7.45mm±0.1

IP HD / Junction boxes

PR-JB14IP66	PR-JB14IP66-G	PR-JB14IP64	PR-JB14IP64-G	PR-JB12IP66	PR-JB12IP64	PR-B10BJB	PR-B50JB	PR-B45JB	PR-B37JB
Bracket- Junction box for I6-/DI-VF, IP66		Bracket- Junction box for I6-/DI-VF, IP64		Bracket- Junction box for I4-/I2-/DI-Fix, IP66	Bracket- Junction box for I4-/I2-/DI-Fix, IP64	Junction Box For DMA IP Cameras	Junction Box For Fish-Eye Cameras	Small water-proof junction box suitable for bullet and dome Fixed Lens Camera	SMALL junction box suitable for HD Fixed Lens cameras (I1/I3-XXXAHD36 / DI-XXXAHD36)

PR-WB14	PR-WB12	PR-WB50	PR-CB14	PR-CB12	PR-CB50	PR-B10EX	PR-B10SB+
Bracket- L shape bracket with PR-JB14IP66 for I6-/DI-VF/DAI-VF, IP66	Bracket- L shape bracket with PR-JB12IP66 for I4-/I2-/DI-Fix/DAI-Fix, IP66	Bracket- Wall bracket for FEI	Bracket- Straight bracket with PR-JB14IP66 for I6-/DI-VF/DAI-VF, IP66	Bracket- Straight bracket with PR-JB12IP66 for I4-/I2-/DI-Fix/DAI-Fix, IP66	Bracket- Celling bracket for FEI	10 cm extension for junction box	Straight bracket for junction box

PR-B10LB+	PR-B45BC	PR-WB-A PR-WB-A-G	PR-B50PB	PR-B50ECB	PR-ICB21	PR-ICB23
"L" shaped bracket for junction box	base for PR-B45JB PR-10BJB+	Bracket- Wall braket for DI-VF, DI-Fix, DAI-Fix, DMA	Pole Mount Bracket For Supporting Junction Boxes	External Corner Mount Bracket For Supporting Junction Boxes	Bracket- In-celling mount bracket for DAI-FIX	Bracket- In-celling mount bracket for DAI-VF

IP - HD V2 / Junction boxes

Model	Junction boxes		Installation			

Bullet + **IP66** **IP64** +

Wall	Ceiling	Pole	Corner

I6

PR-JB14IP66 — PR-JB14IP64

Wall: PR-WB14 | optional PR-B10EX
Ceiling: PR-CB14 | optional PR-B10EX
Pole: PR-B50PB | optional PR-CB14
Corner: PR-B50ECB | optional PR-CB14

Bullet + **IP66** **IP64** +

I4

PR-JB12IP66 — PR-JB12IP64

Wall: PR-WB12 | optional PR-B10EX
Ceiling: PR-CB12 | optional PR-B10EX
Pole: PR-B50PB | optional PR-CB12
Corner: PR-B50ECB | optional PR-CB12

Bullet + **IP66** **IP64** +

I2

PR-JB12IP66 — PR-JB12IP64

Wall: PR-WB12 | optional PR-B10EX
Ceiling: PR-CB12 | optional PR-B10EX
Pole: PR-B50PB | optional PR-CB12
Corner: PR-B50ECB | optional PR-CB12

IP Fish-EYE + **IP66**

FISH-EYE

PR-B50JB

OR

Wall: PR-WB50 | optional PR-B10EX
Ceiling: PR-CB50 | optional PR-B10EX

IP DMA + **Wall** OR +

DMA

PR-WB-A — PR-B10BJB

Wall: PR-WB12 | optional PR-B10EX
Ceiling: PR-CB12 | optional PR-B10EX

*Fish-EYE and DMA available only in IP Technology

IP - HD V2 / Junction boxes

Model	Junction boxes		Installation

Row 1 — Dome/Turret (DI-VF)

Model	Wall A		IP66	IP64		Wall B		Ceiling		Pole		Corner	
Dome/Turret DI-VF	PR-WB-A	OR	PR-JB14IP66	PR-JB14IP64	+	PR-WB14	PR-B10EX (optional)	PR-CB14	PR-B10EX (optional)	PR-B50PB	PR-WB14 (optional)	PR-B50ECB	PR-WB14 (optional)

Row 2 — Dome/Turret (DI-FIX)

| Dome/Turret DI-FIX | PR-WB-A | OR | PR-JB12IP66 | PR-JB12IP64 | + | PR-WB12 | PR-B10EX (optional) | PR-CB12 | PR-B10EX (optional) | PR-B50PB | PR-WB12 (optional) | PR-B50ECB | PR-WB12 (optional) |

Row 3 — Dome (DAI-VF)

| Dome DAI-VF | IP66 * PR-JB14IP66 | + | Wall PR-WB14 | PR-B10EX (optional) | Ceiling PR-CB14 | PR-B10EX (optional) | Pole PR-B50PB | PR-WB14 (optional) | Corner PR-B50ECB | PR-WB14 (optional) | OR | Ceiling PR-ICB23 |

Row 4 — Dome (DAI-FIX)

| Dome DAI-FIX | Wall A PR-WB-A | OR | IP66 * PR-JB12IP66 | + | Wall PR-WB12 | PR-B10EX (optional) | Ceiling PR-CB12 | PR-B10EX (optional) | Pole PR-B50PB | PR-WB12 (optional) | Corner PR-B50ECB | PR-WB12 (optional) | OR | Ceiling PR-ICB21 |

*For DAI installations, please remove the junction box's cover and connect the camera directly to the junction box.

HD / Junction boxes (Sirius)

Model	Junction boxes	Installation			

Bullet

TVL

IP66

PR-B45JB

Wall
MUST
PR-B45BC + PR-B10LB+
optional
PR-B10EX

Ceiling
MUST
PR-B45BC + PR-B10SB+
optional
PR-B10EX

Pole
optional
Wall Set
PR-B50PB

Corner
optional
Wall Set
PR-B50ECB

IP64

PR-B37JB

Wall
PR-B10LB
optional
PR-B10EX

Ceiling
PR-B10SB
optional
PR-B10EX

Dome

DVL

IP66

PR-B45JB

Wall
MUST
PR-B45BC + PR-B10LB+
optional
PR-B10EX

Ceiling
MUST
PR-B45BC + PR-B10SB+
optional
PR-B10EX

Pole
optional
Wall Set
PR-B50PB

Corner
optional
Wall Set
PR-B50ECB

IP64

PR-B37JB

Wall
PR-B10LB
optional
PR-B10EX

Ceiling
PR-B10SB
optional
PR-B10EX

IP HD/ PTZ brackets

PR-B30C	PR-B30P	PR-B30EC
Ceiling bracket	Pole Mount Bracket	External Corner Bracket
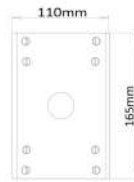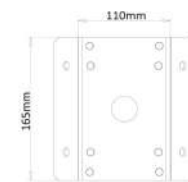
PR-B30IC	PR-B20C
Internal Corner Bracket	Ceiling Bracket
	for MZ PTZ models
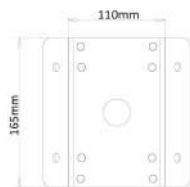
* Supported cameras: Z-20IPE-2(IR), Z-30IPE-2(IR), Z-20IP-3(IR), Z-30IP-3(IR), MZ

OSSIA VMS
Dedicated Hardware

Provision-ISR OSSIA VMS is an advanced and reliable software designed for CCTV systems featuring multiple devices that are controlled from a single reliable platform.
Ossia VMS comes with dedicated VMS hardware that are planned, designed, and built by Provision-ISR, with the sole purpose of running the video management software while dedicating 100% of the system resources to the task.

OC-MSCL-S(DT)

Management server

So Small. So powerful.
OC-MSCL-M(DT) server/workstation is mainly developed for small to medium-sized security systems.
Provision-ISR delivers a winning solution to the field of security with designated hardware that runs embedded Ossia VMS.
This design makes the system far more stable, cost-worthy, and simple to use. As a result, the device is fully dedicated to its task – CCTV management and operation.

Main Features

- 256 Channel support
- 64 Recorder support
- 8GB DDR RAM
- Live View and Playback
- E-Map Monitoring
- Analytics Support
- ONVIF Camera Support
- Auto Report Service Support
- PTZ Support
- Audio Support
- Alarm Support
- Mobile App Support

OC-MS-XL(1U)

Management server

Provision-ISR's new management server is designed to deal with the most demanding tasks and makes a firm base for more extensive security systems. Combining high performances and embedded Ossia VMS on the one hand and the ability to manage up to 3K channels on the other, the OCMS-XL(1U) makes a stable and commanding solution for most security needs.

Main Features

- Pre-installed Ossia VMS (Server + Client)
- 512 Channels license included
- Full WEB interface
- Total of 256 PC Clients / Mobile App Clients
- Up to 3,000 channels!
- Storage server compatibility
- Set & view AI analytics
- Face database management
- Fisheye special views support
- LPR Monitoring
- User Management
- Map support (including google maps)
- Decoder support
- Audio broadcast

OSSIA VMS
Dedicated Hardware

OC-RS-16(3U)

Storage server

Maximum stability, reliability, and capacity

OC-RS-16(3U) has 16 Hot-Swap HDD trays, RAID capabilities, dual Ethernet, and a power supply. Provision-ISR's Storage Server was planned, designed, and built for the sole purpose of storing massive amounts of data and keeping it as safe and redundant as it can be.

Main Features

· Data capacity increase - allows for a remarkable increase of playback history.
· Redundancy - thanks to RAID5, the data on the disks will be secured against disk faults and errors.
· Flexibility - hot-swap disk trays for fast disk insertion and removal.
· Dual PSU (power supply unit) - one is for backup in case of an electric failure.

OC-TS(1U)

Transfer server

Provision-ISR's Transfer server is designed to stream massive amounts of data from the video devices (IPC/DVR/NVR) to the recording servers and viewing clients. The transfer server should be used under two circumstances:
1) When the user needs to expand the system's bandwidth.
2)When the user wants to choose the route from the video devices to the clients.

Main Features

· High Performance x86 Hardware
· Xeon Processor
· 8GB DDR RAM (Expandable)
· WEB interface for configuration

· 4 x 1Gbps Network Interfaces
· Load Balancing / Network Redundancy Support
· Multicast – Bypassing the recorder login limit

OSSIA VMS
Dedicated Hardware

DEC-0104(1U)

Decoder

Provision-ISR DEC-0104(1U) decoder makes the difference when it comes to durability. The decoder can display up to 144 channels on four separate screens, taking the most resource-demanding task from the client – to itself. The client is free to deal with the CCTV unexpected tasks such as handling events, playback, alarms, Etc.
Each of the 144 windows is dynamic: the user can choose to use it as a live window, playback window, or an alarm pop-up window!

Main Features

- 4 HDMI Output (Total)
- 2 x 4K Screen Output
- 1 HDMI Input
- Audio Support
- Live View
- Alarm Popup View
- Playback View
- PTZ control
- Up to 8MP Decoding

IP-KEY02

Keyboard

Much more than a simple accessory
Provision-ISR IP-KEY-02 keyboard is an excellent addition for control rooms, headquarters, or surveillance rooms. It allows the control of numerous Decoders and IP PTZ cameras and the choice of the camera layout you want by a single button press. The operator can easily display up to 144 different channels located on four screens connected to the decoder and fully control IP PTZ cameras for a quick focus on a specific object in the scene.
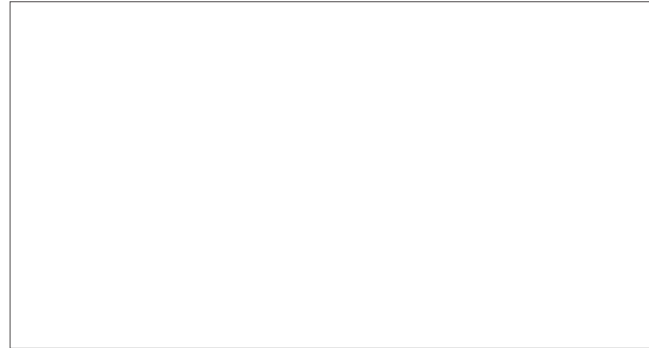
Main Features

PTZ CAMERAS (IP ONLY)
- Total movement control
- Preset
- Cruise

DECODERS
- Layout control
- Live view
- Playback
- Alarm window
- PTZ control (IP and analog)
- Sequencing channels

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