



EDVEX CCTV

CATALOGUE ENGLISH



VIEW 
IoT smart life



View: an ecosystem of smart products and interconnected systems.

View is a unique platform that includes connected systems and products for new builds, refurbishments or to modernise existing systems. It entails a combination of solutions designed to favour comfort, energy efficiency and security, with matching styling, along with products customised to match all architectural styles. These interconnected products and systems liaise with one another continuously and in a perfectly integrated way to provide a concrete solution to the needs of those who build and enjoy spaces.



Full integration, even with products of different brands

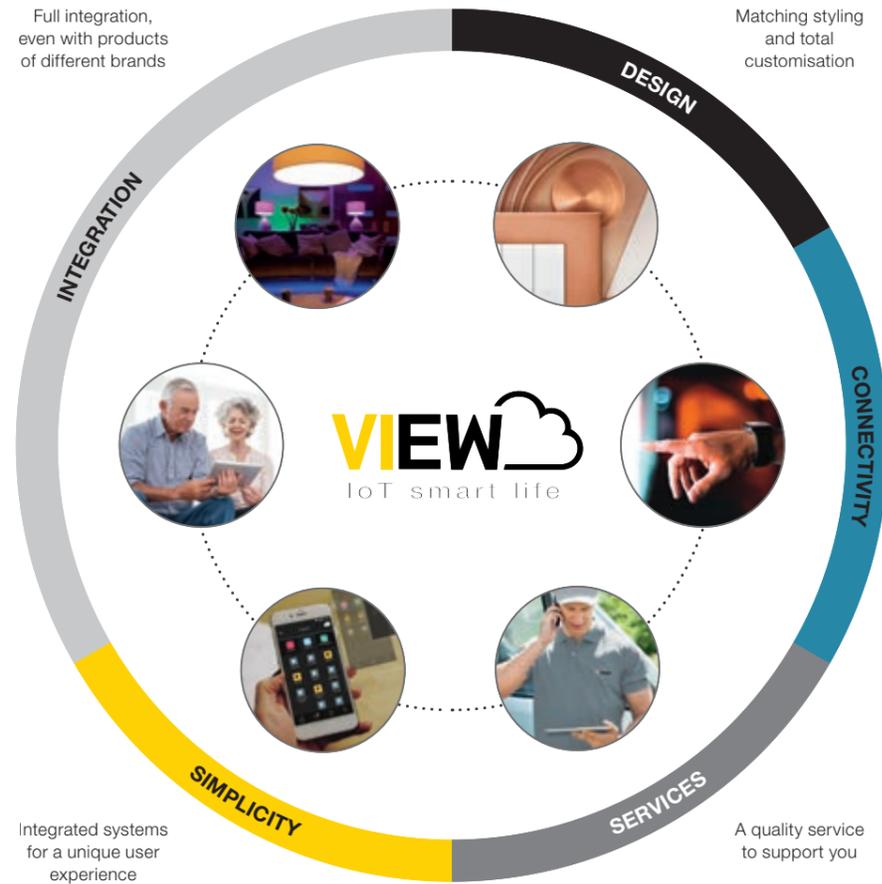
Matching styling and total customisation

Solutions designed to ensure comfort, security and energy efficiency

Connected systems and products, to ensure maximum control

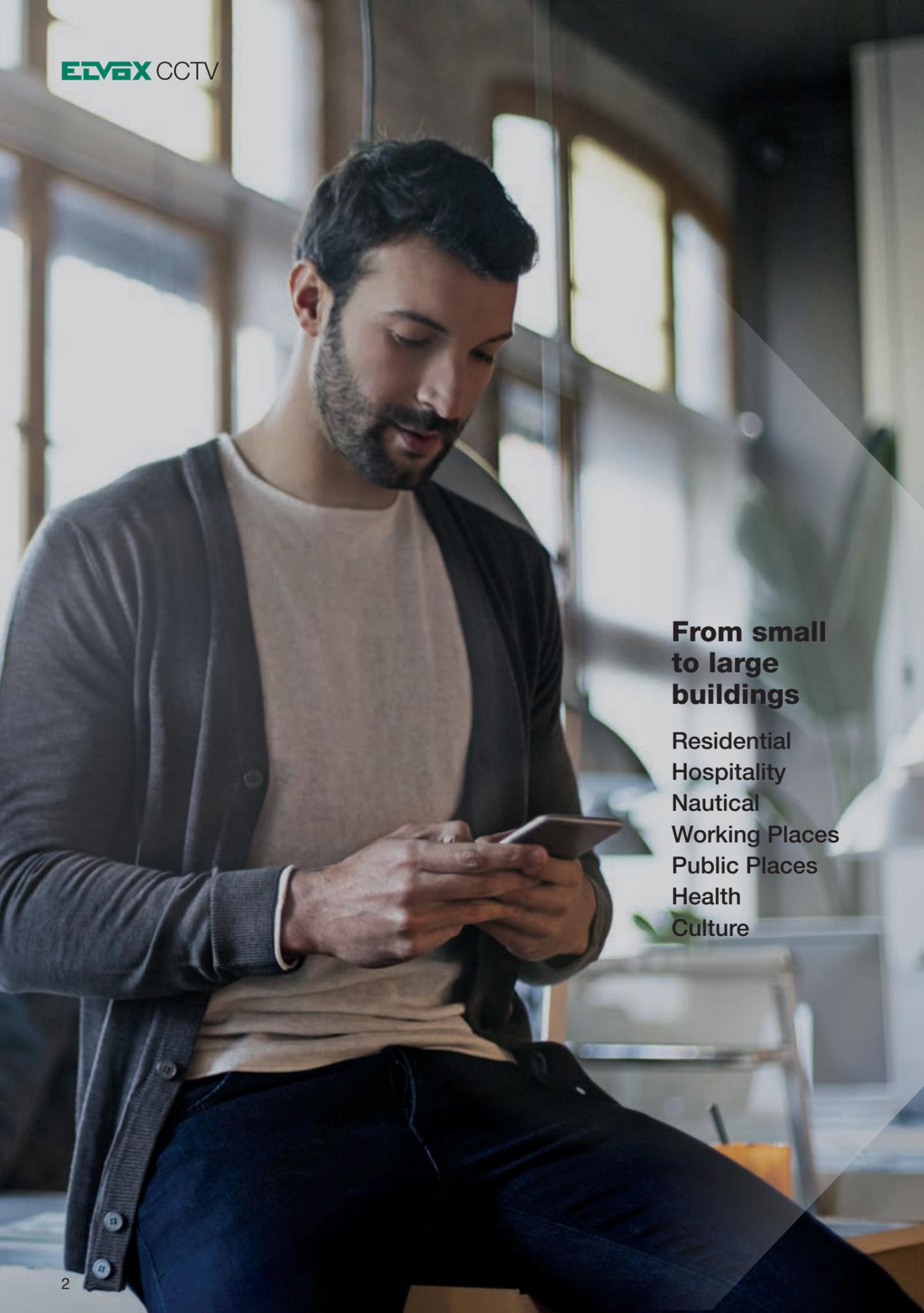
Integrated systems for a unique user experience

A quality service to support you



App View

A single app: a unique experience and a user-friendly interface. You can manage, control and create scenarios. You can integrate the app with the IFTTT platform to integrate third-party devices. With the View app and Vimar Cloud, you're connected to your spaces wherever you are and are always up-to-date on what's going on inside and outside the building. Simply connected to your world.

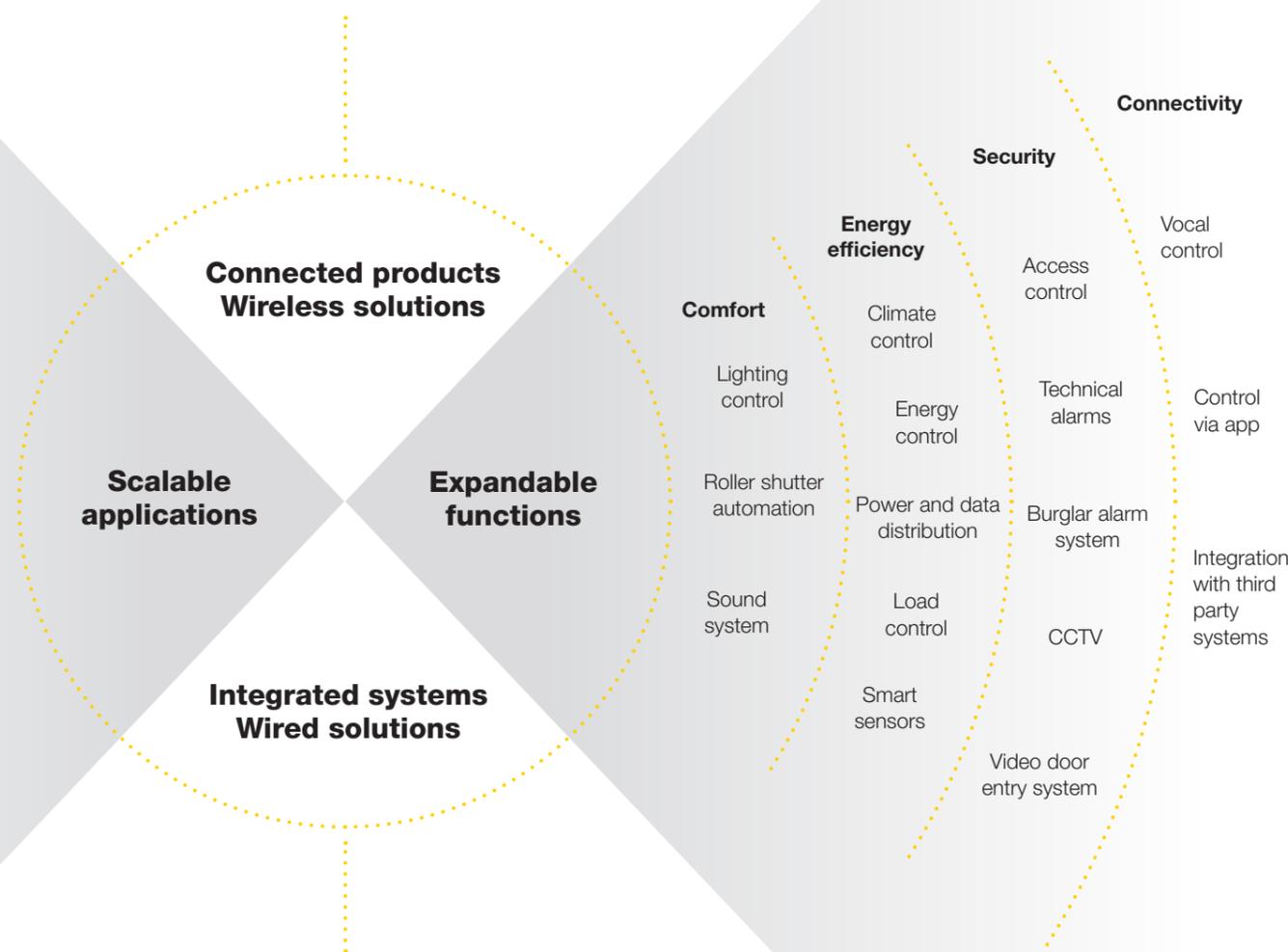


From small to large buildings

- Residential
- Hospitality
- Nautical
- Working Places
- Public Places
- Health
- Culture

Versatile solutions.

Our solutions respect the identity of each setting. You can expand your ecosystem in a smart, simple and constant way, for total control of your home and of the building.





Elvox CCTV. System for living quietly.

Greater security ensures a better quality of life and we offer smart solutions with Wi-Fi cameras and video surveillance systems. High-performance products, made with the most innovative technologies, able to guarantee maximum security inside the building. In addition, with the View Product and the By-camera apps, it is possible to have remote control via smartphone or tablet, with alarm notifications and video-verify streaming.



Smart Wi-Fi cameras.

Cameras to protect the internal and external spaces of the house with remote control, via smartphone and tablet with the View Product app. Easy to install (surface, ceiling or table) and easy to connect to the Wi-Fi network through a simple and intuitive procedure.

Elvox CCTV: video surveillance system.

Innovative solutions, designed to provide a detailed view of the environment. The range offers resolutions up to 4K, advanced video analysis to detect anomalous behavior and reduce false alarms. The new CVM CCTV Manager software for centralization and supervision is the ideal solution to extend the application field from residential to tertiary, up to particular complex and critical contexts.



Smart Wi-Fi cameras.

Remote control with smartphone and tablet with View Product app.

The **Wi-Fi cameras** available in two versions, fixed or motor-driven, are installed via a Wi-Fi network connection and can be positioned in any room to keep your loved ones under control at any time, or to monitor rooms in general.



They are compatible with the **Amazon Alexa** and **Google Assistant** voice assistants via View Product skills and actions (cameras only 46238.027A, 46237.040A, 46239.040A).



VIEW PRODUCT APP.

View Product app enables the **remote control** of Wi-Fi cameras with smartphone or tablet. In addition, it enables the live streaming visualization or recording, images and video storing on smartphone and interaction with other connected products for automations and scenarios realization.

View Product realizes the step-by-step **configuration via Wi-Fi** of the cameras through Italian or English feedback.



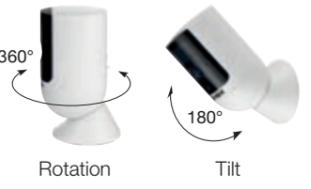
SCENARIOS AND AUTOMATION EXAMPLES.

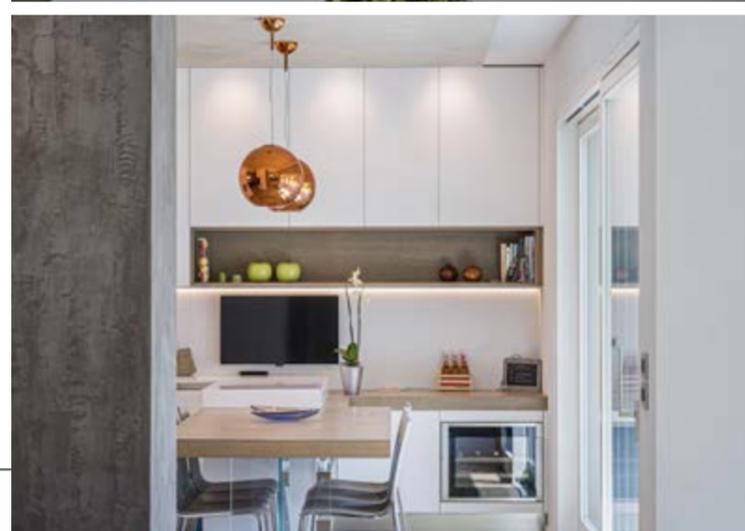
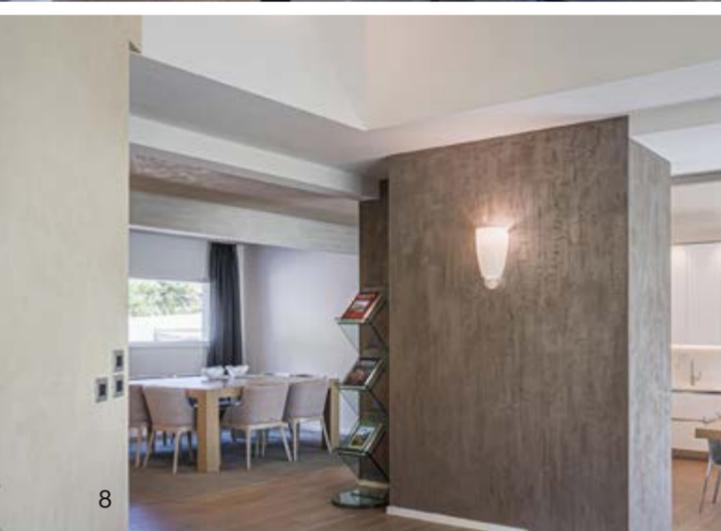
 + 
A camera **detects motion**, when the user is not at home: the smart socket outlet **turns on** a light to simulate their presence.

 + 
A camera **detects a crying baby** in the bedroom: the smart socket outlet **turns on** the bedside lamp and the music box playing a lullaby in the bedroom to get them back to sleep.

 + 
It is **11:30 pm**: The smart socket outlet **turns off** the lights and the appliances; the external camera is **turned on** and recording begins.

ADDITIONAL FUNCTIONS OF SMART WI-FI CAMERAS.

 46240.032A	 battery operation  false alarms reduction with person detection  nearby audio detection	 360° Rotation 180° Tilt
 46239.040A	<p>PRESET 6 memorizable specific framing points</p>  nearby audio detection	 355° Rotation +75°/-10° Tilt
 46241.036A	<p>RTSP it can be integrated in professional system</p> <p>PRESET 6 memorizable specific framing points</p>  subject in motion tracking  nearby audio detection	 100° view angle
 46237.040A	 nearby audio detection	
 46238.027A	 44°	 22° 90° 360°



Elvox CCTV. Video surveillance system.



By-camera app



SIMPLE CONFIGURATION.

To offer maximum versatility and help professionals in their daily work, the systems can be easily configured via direct connection, the **By-Camera** app or via dedicated video surveillance software **CVM CCTV Manager**.



MONITORING AND CENTRALIZATION SOFTWARE.

The software **CVM CCTV Manager**, for PC, allows the monitoring of different DVR / NVR / IP cameras in systems with AHD and IP technology, connected via local LAN or internet.



INSTALLATION UPGRADABILITY AND FLEXIBILITY.

Elvox CCTV video surveillance systems are expandable and extremely flexible. A wide range of products allows high-performance upgrades thanks to **AHD** and **IP** technologies.



GUARANTEED PROFESSIONALITY.

Our professional, technologically sophisticated products are designed to guarantee superior performance and durability.



SOLUTIONS FOR ANY BUILDING.

Our security solutions adapt to the most diverse application environments. Versatility and scalability, combined with sophisticated technology and ease of use, are features which make them suitable for the smallest apartment to large shopping centres and to large industrial estates.

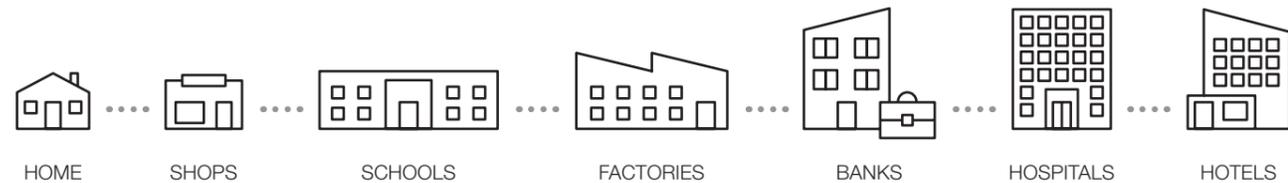
Elvox CCTV: advanced videosurveillance system in 2, 5 and 8 Mpx very high resolution.

Better security means better quality of life. For this reason, our video surveillance systems integrate high-performance products able to guarantee comprehensive control, even in critical areas. Innovative solutions, devised to provide perfect visibility in detail.

IP RANGE.

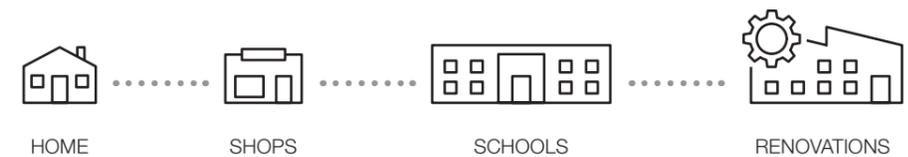
The IP Elvox TVCC range is professional and complete and consists of cameras and NVRs able to satisfy all installation needs. Resolution from 2 Mpx up to 4K to capture even the smallest detail, manual and motorized optics to adapt to the perfect framing, advanced video analysis functions to analyze images, detect anomalous behaviors and reduce false alarms and advanced compression codecs H.265 and H.265S to safeguard storage space and data transmission.

High-performance **NVRs**: always updated thanks to the new Firmware upgrade mode via OTA (Over-the-air) for getting the latest features (available for 46NVR ...), scalable from 4 to 64 full frame channels and resolution up to 4K suitable for smallest systems, such as house or shop, to the complex one, such as hotels and industries. All Elvox CCTV products can be managed remotely via **By-camera** app, with smartphones, tablets and **By-me Plus** system touch screens and via the new centralization and supervision software **CVM CCTV Manager** for PC.



AHD RANGE.

AHD technology, widely used in videosurveillance systems for buildings, in plant renovations, in extensions of existing plants and in new installations, has the advantage to reach great distances, for example in Full-HD up to 300 meters. The Vimar AHD range includes: **cameras** with manual and motorized optics, Full-HD resolution up to 5 Mpx, quickly configurable from OSD, projected for renovations of existing systems with coaxial cable; **multi-technology hybrid recorders** in 4, 8 and 16 channel versions, Full-HD resolution up to 5 Mpx; **XVR** which support AHD cameras up to 5 Mpx, H.265 video compression improving the recordings and the smooth video, compatibility with IP cameras video analysis, firmware upgrade via OTA (Over-the-air). The cameras allow integration with Elvox Due Fili Plus video door entry systems modifying the cameras into CVBS. In addition, motorized cameras of 5 Mpx with 5 - 50 mm adjustable optics, which can be remotely control via the By-camera app.



Certified connections and security with widespread standard.

ONVIF (OPEN NETWORK VIDEO INTERFACE FORUM).

Is an organization that certifies all video surveillance devices that comply with precise standardizations to make all devices interoperable with each other even if of different companies. The standards to be respected are: IP communication protocol, configuration, remote control, viewing and recording of audio-video streams. The certified products list is available on: <https://www.onvif.org/>



NVR/DVR CONFORMING TO THE GDPR.

The NVRs and DVRs are designed and developed according to the requirements of the GDPR, in full compliance with the European Union regulations on the subject of security. They provide **secure access** protected by an alphanumeric password that can be set with up to 16 characters. All accesses and changes to the system, as configured, **are recorded and stored for a period of 6 months according to a standard using mode**. For greater security, from the first access made, a message will remind you to change the default password, and it will continue to be prompted until it is changed for the first time. Recordings can be set with overwriting in automatic mode once 24 hours have passed and without audio recording. The data used to access and view the systems via the **dedicated By-camera app** are encrypted with the highest security levels, while the servers that manage the P2P service are located within the European Community.



CAMERAS.

Wide range of cameras with different features and functions, solutions to satisfy the request of installers and users. Quality and performance able to guarantee all-round control, even in critical areas, from small installations up to complex realities such as hotels and industries.



CAMERAS PERFORMANCES

 IP AND AHD TECHNOLOGIES	 FIXED FOCUS AND VARIFOVAL (also with motorized lens)	 FROM 2 TO 8 MPX	 LOW LIGHT Shooting in color with very low brightness
 WI-FI	 FISHEYE For a 360° view	 PANORAMIC For a 180° view	 PTZ Pan/tilt and zoom movement
 BUILT-IN MICROPHONE	 SD CARD SLOT	 INTELLIGENT VIDEO ANALYSIS	 SMART TRACKING

New CVM CCTV Manager software for the centralized management of the videosurveillance systems.



Sophisticated software for centralising, monitoring, and managing DVR, NVR, and Elvox IP video cameras, for PCs running Windows operating system. It allows to monitor up to 64 DVR/NVR devices/IP video cameras on a local network or on the internet, with up to 256 channels, also in mixed technology (AHD-IP) and without router configuration using P2P service. Supports different user and authorisation levels. DVR/NVR new menu window semantic interface can be configured by users to meet specific needs.

MULTI-WINDOW MANAGEMENT.

Everything under control: maps, video playback and settings can be managed simultaneously on several monitors.



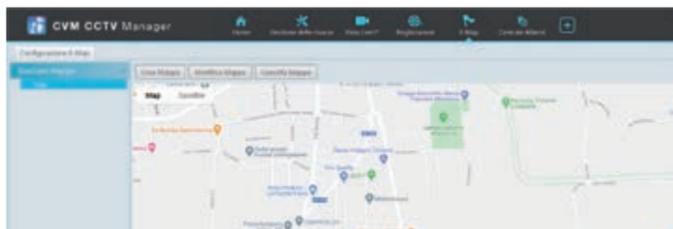
LIVE VIEWING.

View of up to a maximum of 100 cameras in a single window even from several DVRs/NVRs. The cameras can be organised into logical groups for easier management (e.g. "Perimeter cameras", "Goods unloading area", etc.).

The image quality and the frame rate of the primary and secondary stream can be changed to adapt to bandwidth requirements. In the event of an alarm, a full screen pop-up will appear with images from the video camera that triggered the alarm and at the same time the position will be marked on the map, to provide greater detail on location.

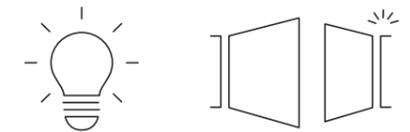
GRAPHIC MAPS.

Hierarchical views of multiple maps (in JPG, BMP, PNG, TIF formats, it also supports Google maps) can be created to position cameras and alarm sensors and obtain more details on the location in the event an alarm is triggered.



REMOTE CONTROL OF DVR/NVR OUTPUTS.

To manually or automatically activate devices remotely, for example, to switch on lights, open entrances, etc.



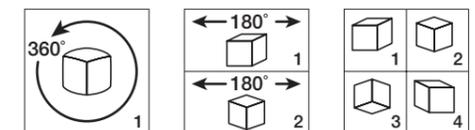
TWO-WAY AUDIO.

Available with the talk/listen function with DVRs, NVRs, or IP cameras via the IP connection with the independent activation of transmission and reception.



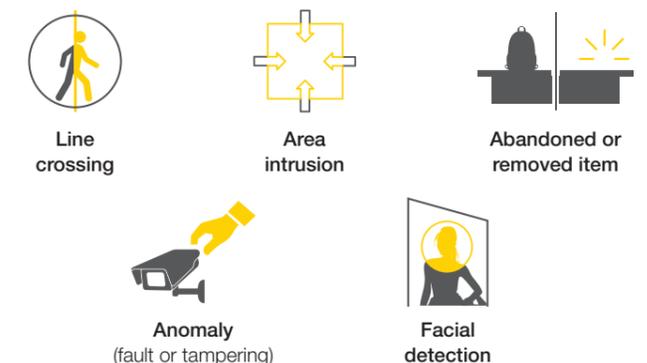
COMPATIBILITY WITH FISHEYE VIDEO CAMERAS.

Supports the dewarping function allowing to manage images obtained from a camera equipped with FishEye lens, for example, 360° view, 180° panoramic view, 360° + 3 PTZ etc.



VIDEO ANALYSIS FUNCTIONS.

Allows to manage and set up video analysis functions.



Many functions for a total control and security.

The Elvox CCTV system includes solutions capable of distinguishing people from things, generating alarms and notifications, minimizing false alarms and searching the events. Functions that allow you to recognize the subject even in unfavorable environmental conditions.

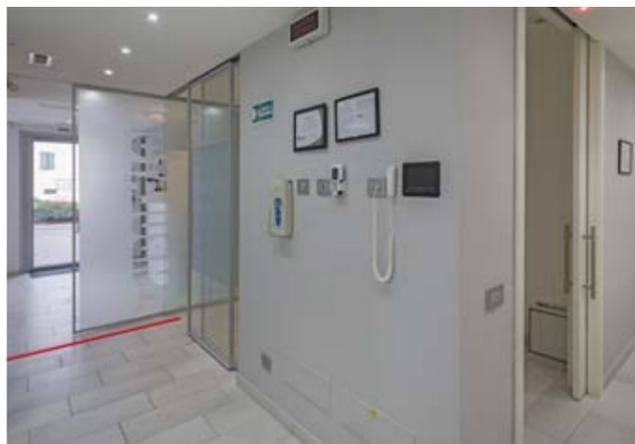
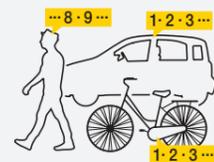
AREA PROTECTION.

It allows to activate an alarm or notification in case of entry / exit / crossing of defined area or lines of a person, discriminating, through configuration, the person, vehicle, cycle or motorcycle.



MOVEMENT FLOWS.

It allows to consider the crossing of a pre-set demarcation line of people and vehicles. It is possible to set actions if specific situations arise, such as checking the capacity of people in a limited area



FACE RECOGNITION.

By means algorithms, this functions allows to compare and recognize the correspondence of the faces of people, matching it if present in the database. It activate rules and customized notifications, this function can be managed from the By-camera app.



SMART TRACKING.

By means the PTZ cameras, this functions enables the automatic tracking of a subject or a vehicle moving within the frame.



HALLWAY FUNCTION.

Designed to film vertical shots without losing detail inside the scene, ideal for security applications within hallways or narrow lanes.



BLC: BACK LIGHT COMPENSATION.

The BLC functions enables to light the foreground subject in backlit shot. The DSP microprocessor will intervene on the shutter, obtaining a clear and sharp foreground image while the brighter portion of the image will be overexposed.



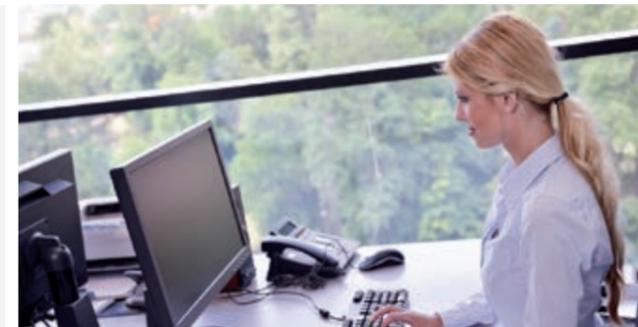
HLC: HIGH LIGHT COMPENSATION.

Compensates the image by removing areas with too much light, which could create a ring of glare that could conceal details.



WDR AND 3DNR FUNCTION.

These are configurable functions guaranteeing perfect visibility and well-defined contours, correcting the images in the event of strong backlighting, overexposure or darkness.



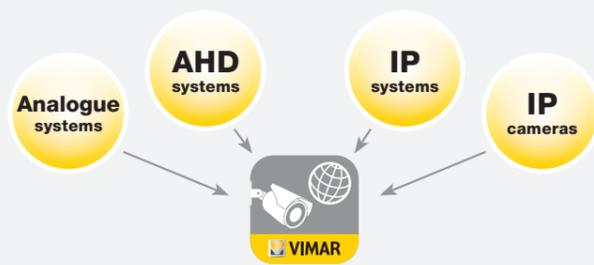
By-camera app.

Simple, performing, evolved for the control of AHD and IP systems.

The By-camera app makes it possible to manage new systems and existing systems and is compatible with Elvox CCTV video surveillance products, in IP and AHD technology, and it perfectly suits the needs of both the final user and the installer.

CUSTOMISABLE APPLICATION.

You can use the app to adjust certain settings on the DVR/NVR video recorders and create favourite screens. Favourite screens can also be created by combining into a single screen video streams originating from several systems with different technologies.



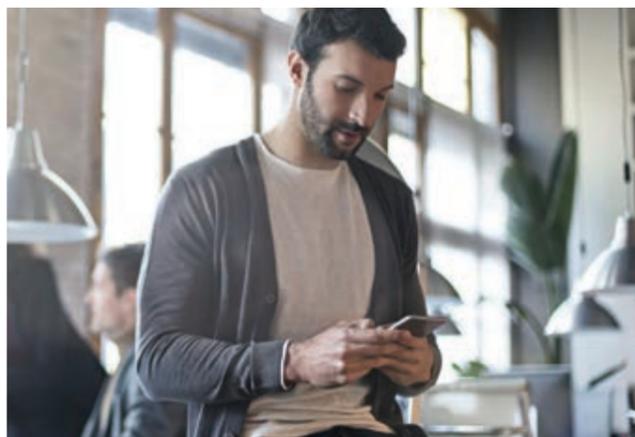
CONTROL WITH BY-ME PLUS.

The By-camera app can be installed on the supervisor touch screens of the By-me Plus home automation system to view live, playback and use all the main management functions.



SCREENSHOTS.

The **By-camera** app works both on smartphones and tablets and is designed to view the screens either **vertically** or **horizontally**, to allow optimum viewing of film footage.



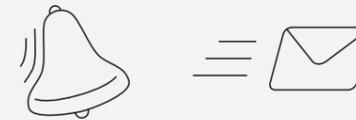
FISHEYE CAMERA VIEW.

With five different dividable views, the Fisheye camera exploits its full potential of **360° view**, **bullet**, **180°+180°**, **virtual PTZ** and **virtual reality**, a view inspired by the latest gaming technologies on smartphones.



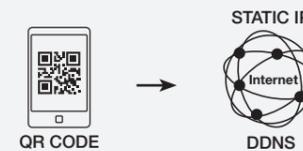
NOTIFICATIONS.

You can receive real-time event notifications on your smartphone as well as by e-mail.



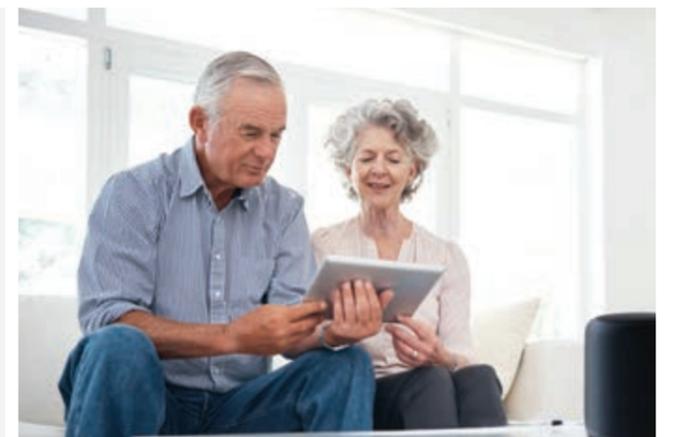
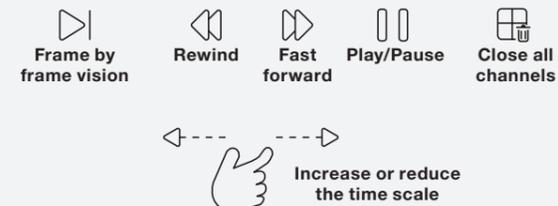
IMMEDIATE CONNECTION.

Immediate access to the system remotely and without the need to configure the router. Simply scan the QR code with the app to view the video streaming from the cameras. The insertion of the IP address - both static and dynamic - is envisaged in the advanced mode, requiring the configuration of your router.



SIMPLIFIED PLAYBACK.

It is easy to navigate through recordings thanks to simple, user-friendly controls, to the differentiated time scale per event, and each with a definite colour to make it easier to identify.



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Elvox CCTV

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CCTV system supervision with CVM CCTV Manager software

OPERATING SYSTEM REQUIREMENTS

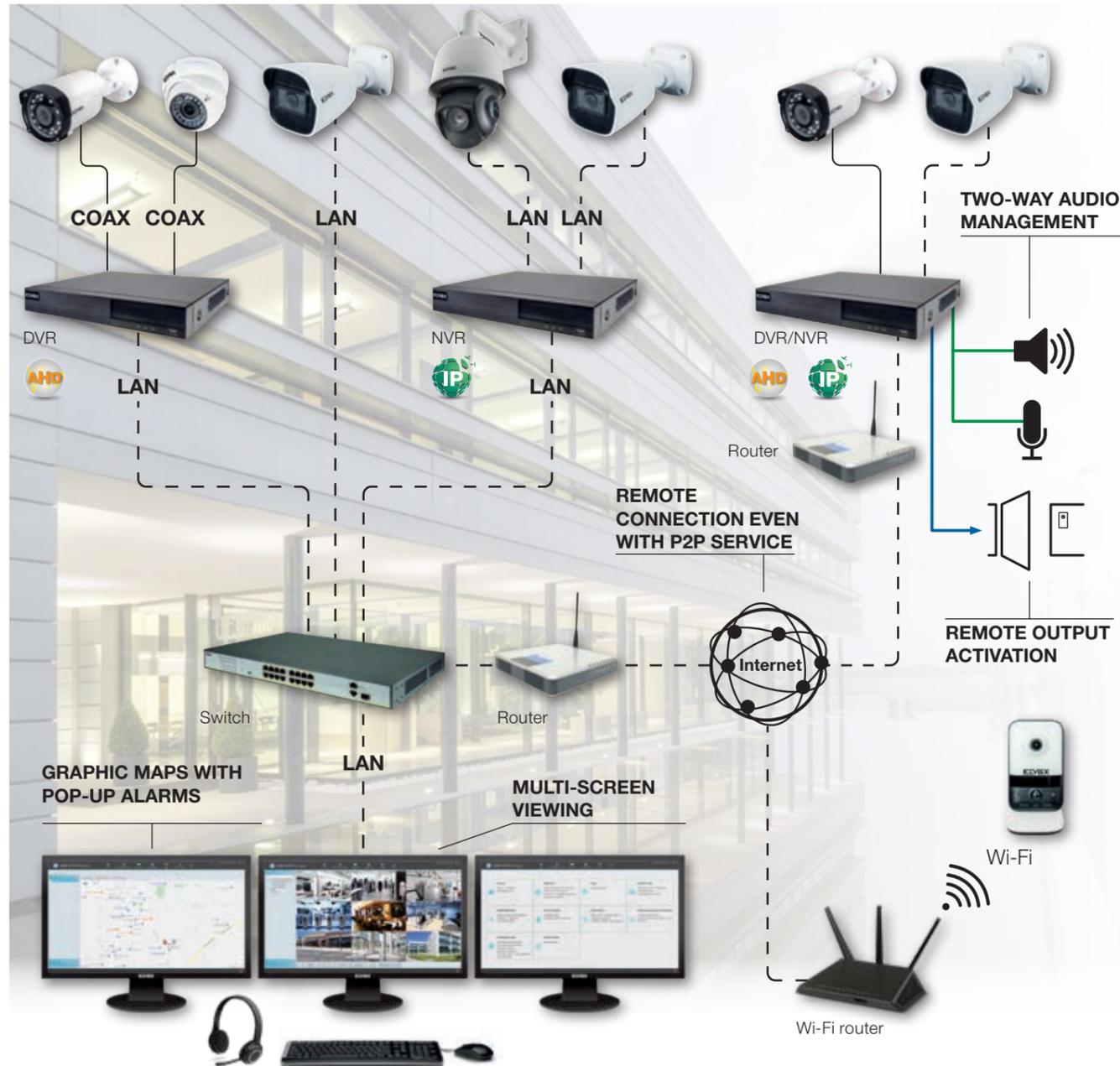
- Windows 7 SP1 32 bit/64 bit Professional/Ultimate or above
- Windows 8 32 bit/64 bit Professional or above
- Windows 10 32 bit/64 bit Professional or above

HARDWARE REQUIREMENTS

- Intel(R) Core (TM) i5 7500 3.0Ghz CPU or above
- 4 GB DDR3 memory or above
- HDD SATA 500 GB or above
- Dedicated graphics card; NV GT430 or AMD HD6570 or above, 512 MB GDDR5 or above
- 1000 Mbps network card or above

INSTALLATION EXAMPLE

For up to **64 devices** (DVR/NVR/IP cameras) and maximum **256 video streams**.

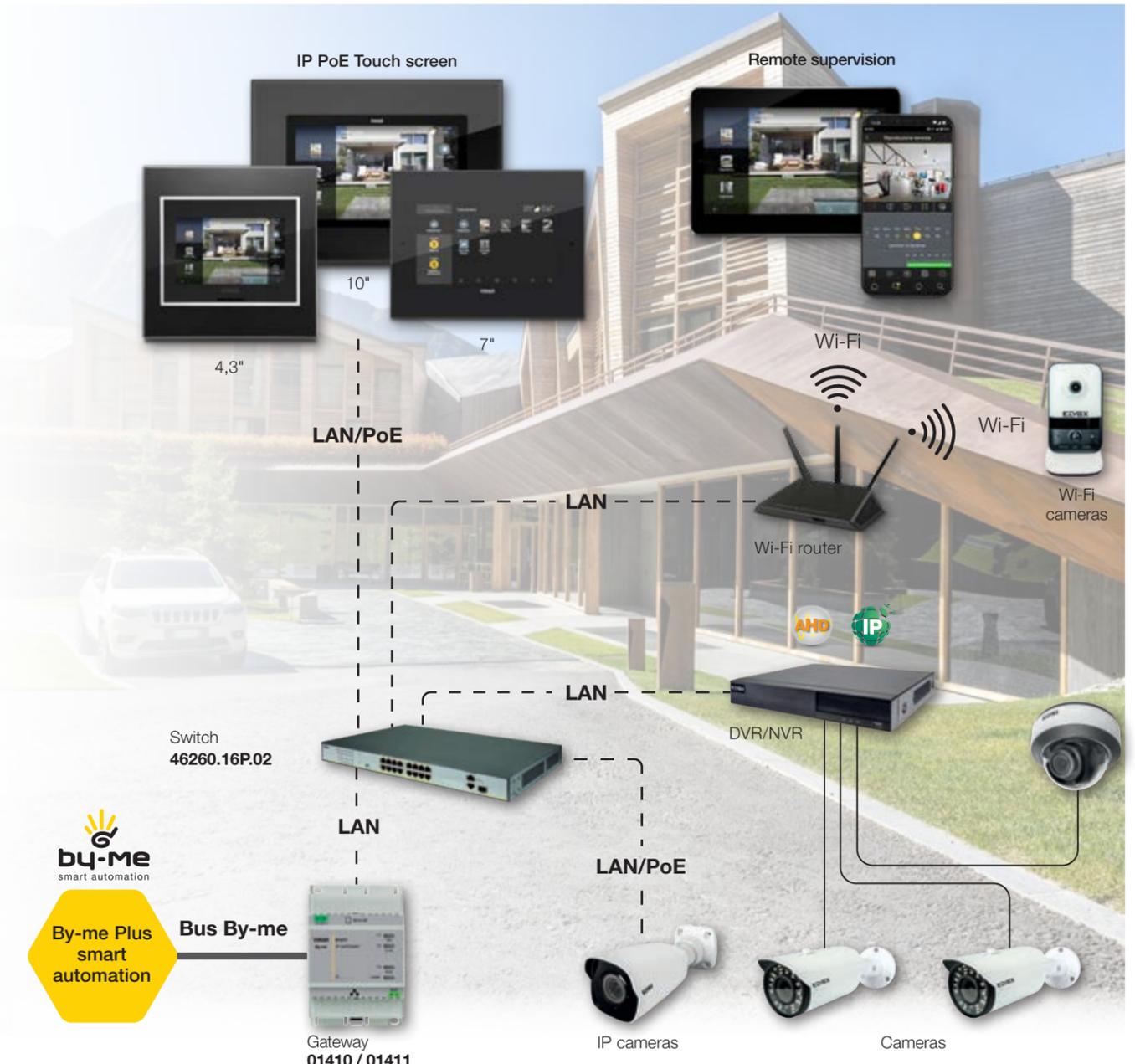


Integration with By-me Plus.

The **CCTV system**, both with **analogue AHD** or **digital IP technology**, is natively integrated into Vimar's VIEW IoT Smart Systems platform, without the need to install a specific gateway (the DVR for AHD cameras, which requires Firmware 1.2.6 or later). Integration makes it possible, for stand-alone IP cameras (not connected to DVR/NVR) and for IP/AHD cameras connected to NVR/DVR, to view live streaming. These functions are available both locally and remotely via the VIEW app. To use all the main DVR/NVR management functions on touch screens, you can activate the **By-camera app** from the Customise/Options/Device information, deriving from the specialist version available for By-camera mobile devices. Integration is not just sharing the user interface but it also applies to the various subsystems, for instance the cameras in the CCTV system can be associated with areas for the By-alarm burglar alarm system (where present) to allow video checking in the event of an alarm. This ensures all-round comfort.

INSTALLATION EXAMPLE

Integration of the By-me Plus system with Elvox CCTV.

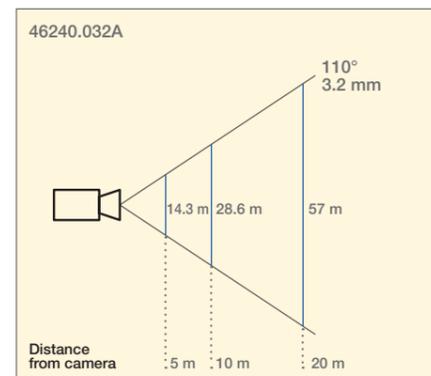
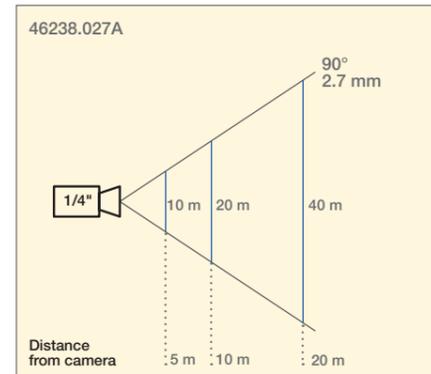
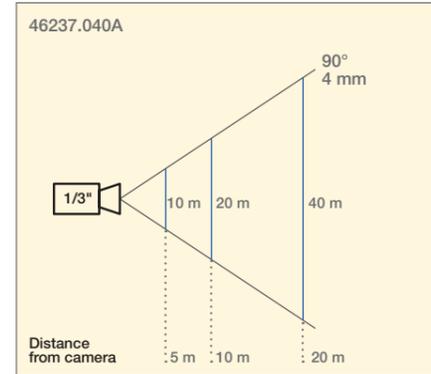


Wi-Fi special cameras

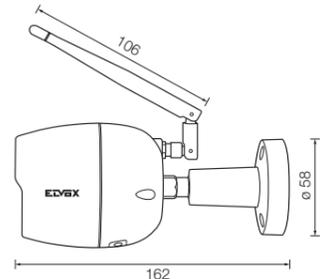


Code	▲ 46237.040A	▲ 46238.027A	▲ 46240.032A
Sensor	1/3" CMOS Progressive scan, 2 Mpx	1/4" CMOS Progressive scan, 1 Mpx	1/2.9" CMOS Progressive scan, 2 Mpx
Resolution	1920 x 1080	1280 x 720	1920 x 1080
Sensitivity	0.01Lux; 0 lux (IR LED ON)	0.5 Lux; 0 lux (IR LED ON)	0.01 Lux; 0 lux (IR LED ON)
Video compression	H.264	H.264	H.264
Day & night	ICR	ICR	Auto/Colour/B&W
Lens	4 mm (90°)	2.7 mm (90°)	3.2 mm (110°)
Main frame rate	25 Fps (1920 x 1080)	25 Fps (1280 x 720)	25 Fps (1920 x 1080)
Secondary frame rate	25 Fps (640 x 360)	25 Fps (640 x 360)	25 Fps (640 x 360)
Wi-Fi	2,4 GHz (IEEE 802.11b/g/n)	2,4 GHz (IEEE 802.11b/g/n)	2,4 GHz (IEEE 802.11b/g/n)
SD card	Yes, not included (128 GB max)	Yes, not included (128 GB max)	Yes, not included (128 GB max)
In/Out audio	1 integrated MIC and SPEAKER	1 integrated MIC and SPEAKER	1 integrated MIC and SPEAKER
In/Out alarm	No	No	No
Functions	Motion and sending notifications	Motion and sending notifications	Person detection, sending notifications and PIR
IR	10 m	5 - 10 m	10 m
IP/IK degree	IP65	-	IP65
Temperature range	0° C ~ +55° C	0° C ~ +55° C	-10° C ~ +50° C
Power supply/ consumptions	12 Vdc - 210 mA, 2.5 W	5 Vdc - 400 mA, 2 W	5 Vdc - 1 A / Rechargeable battery 6700 mAh
Dimensions in mm	ø 58 x 162	ø 70 x 120	ø 52 x 90
Weight (g)	310	105	256 (with con base)
Notes	Integrated omnidirectional antenna	Integrated omnidirectional antenna	Battery life: 7 months in standby / 5 months in operation with 10 times wake up per day. Magnetic base included for table or surface installation

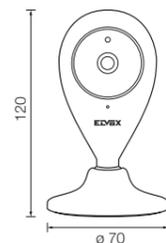
Shooting range



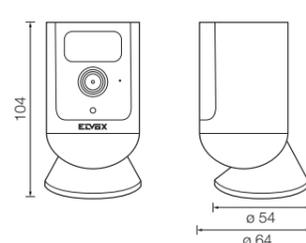
Dimensions in mm
(46237.040A)



Dimensions in mm
(46238.027A)



Dimensions in mm
(46240.032A)



▲ New article

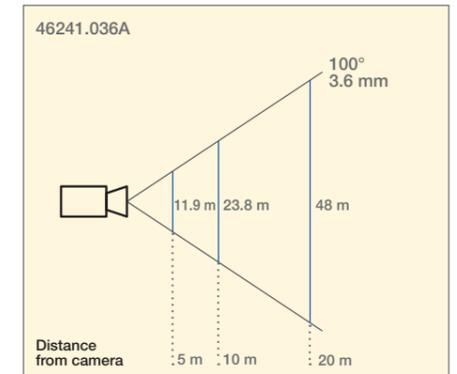
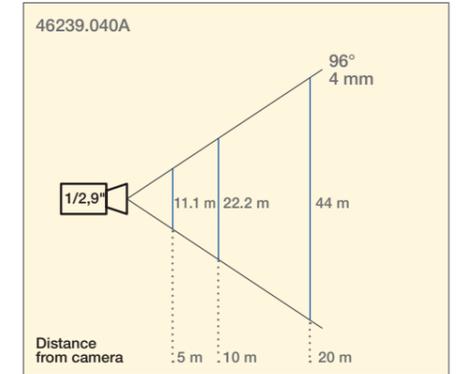
Wi-Fi special cameras



Code	▲ 46239.040A	▲ 46241.036A
Sensor	1/2.9" CMOS Progressive scan, 2 Mpx	1/2.9" CMOS Progressive scan, 2 Mpx
Resolution	1920 x 1080	1920 x 1080
Sensitivity	0.01 Lux; 0 lux (IR LED ON)	0.01 Lux; 0 lux (IR LED ON)
Video compression	H.264	H.264 - H.265
Day & night	ICR	ICR
Lens	4 mm (96°)	3.6 mm (100°)
Main frame rate	25 Fps (1920 x 1080)	25 Fps (1920 x 1080)
Secondary frame rate	25 Fps (640 x 360)	25 Fps (640 x 360)
Pan/Tilt limit	Pan: 0 ~ 355° Tilt: -10° ~ 75°	Pan: 0 ~ 355° Tilt: -10° ~ 75°
Wi-Fi	2,4 GHz (IEEE 802.11b/g/n)	2,4 GHz (IEEE 802.11b/g/n)
SD card	Yes, not included (128 GB max)	Yes, 32 GB included
In/Out audio	1 integrated MIC and SPEAKER	1 integrated MIC and SPEAKER
In/Out alarm	No	No
Functions	Motion and sending notifications	Motion, audio detection and sending notifications
IR	10 m	10 m
IP/IK degree	-	IP65 (Valid only for ceiling or wall mounting)
Temperature range	0° C ~ +55° C	-10° C ~ +50° C
Power supply/ consumptions	5 Vdc 820 mA, 4.1 W	12 Vdc 1 A
Dimensions in mm	ø 87 x 123	ø 76.5 x 107
Weight (g)	185	225
Notes	Integrated omnidirectional antenna	RTSP*. Bracket included for surface or ceiling installation

* RTSP: function for the connection to By-me Plus home automation system without using NVR or as additional camera for IP video entry systems.

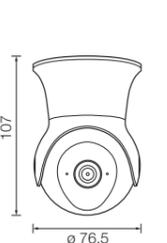
Shooting range



Dimensions in mm
(46239.040A)



Dimensions in mm
(46241.036A)



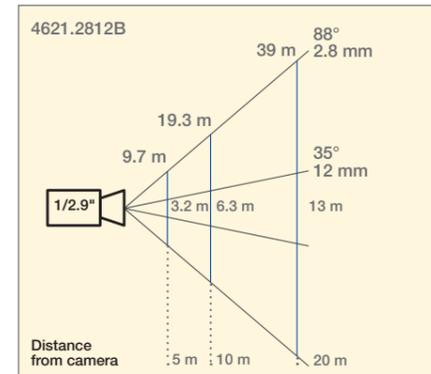
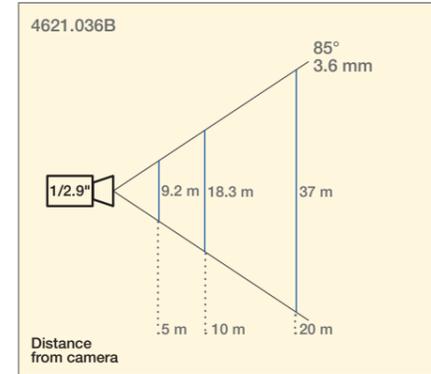
IP Bullet cameras - 2 Mpx



Code	4621.036B	4621.2812B
Sensor	1/2.9" CMOS Progressive scan, 2 Mpx	1/2.9" CMOS Progressive scan, 2 Mpx
Resolution	1920 x 1080	1920 x 1080
Sensitivity	0.0035 lux @F1.2, AGC ON; 0 lux (IR LED ON)	0.0035 lux @F1.2, AGC ON; 0 lux (IR LED ON)
Video compression	H.265 - H.264 - MJPEG	H.265 - H.264 - MJPEG
Day & night	ICR	ICR
Lens	3.6 mm @ F2.0 (85°)	2.8-12 mm @ F1.4 (88° - 35°)
Main frame rate	30 Fps (1920 x 1080) 30 Fps (1280 x 720)	30 Fps (1920 x 1080) 30 Fps (1280 x 720)
Secondary frame rate	30 Fps (D1) 30 Fps (CIF) 30 Fps (480 x 240)	30 Fps (D1) 30 Fps (CIF) 30 Fps (480 x 240)
Bit Rate	64 Kbps ~ 6 Mbps	64 Kbps ~ 6 Mbps
SD card	Yes, not included (128 GB max)	Yes, not included (128 GB max)
In/Out audio	1/0	1/0
In/Out alarm	0/0	0/0
CVBS output video	No	No
Intelligent video analysis	No	No
Functions	WDR, smart IR, ROI, 3D DNR, mask, motion, HLC, BLC	WDR, smart IR, ROI, 3D DNR, mask, motion, HLC, BLC
IR	20 - 30 m	30 - 50 m
IP/IK degree	IP67	IP67
Temperature range	-30°C ~ +60°C	-30°C ~ +60°C
Power supply/ consumptions	12 Vdc / PoE - 290 mA, 3.5 W	12 Vdc / PoE - 450 mA, 5.4 W
Dimensions in mm	75 x 75 x 168	81 x 81 x 218
Weight (g)	435	680
Notes	RTSP*, multi-stream. Bracket included, installable with contact box: 46922.040	RTSP*, multi-stream. Bracket included, installable with contact box: 46922.040

* RTSP: function for the connection to By-me Plus home automation system without using NVR or as additional camera for IP video entry systems.

Shooting range



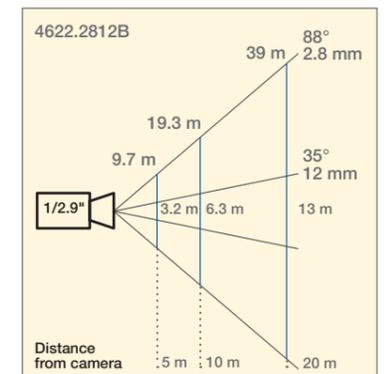
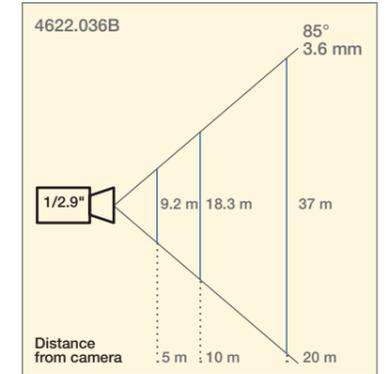
IP Dome cameras - 2 Mpx



Code	4622.036B	4622.2812B
Sensor	1/2.9" CMOS Progressive scan, 2 Mpx	1/2.9" CMOS Progressive scan, 2 Mpx
Resolution	1920 x 1080	1920 x 1080
Sensitivity	0.0035 lux @F1.2, AGC ON; 0 lux (IR LED ON)	0.0035 lux @F1.2, AGC ON; 0 lux (IR LED ON)
Video compression	H.265 - H.264 - MJPEG	H.265 - H.264 - MJPEG
Day & night	ICR	ICR
Lens	3.6 mm @ F2.0 (85°)	2.8-12 mm @ F1.4 (88° - 35°)
Main frame rate	30 Fps (1920 x 1080) 30 Fps (1280 x 720)*	30 Fps (1920 x 1080) 30 Fps (1280 x 720)
Secondary frame rate	30 Fps (D1) 30 Fps (CIF) 30 Fps (480 x 240)*	30 Fps (D1) 30 Fps (CIF) 30 Fps (480 x 240)
Bit Rate	64 Kbps ~ 6 Mbps	64 Kbps ~ 6 Mbps
SD card	Yes, not included (128 GB max)	Yes, not included (128 GB max)
In/Out audio	1/0	1/0 (built-in MIC)
In/Out alarm	0/0	0/0
CVBS output video	No	No
Intelligent video analysis	No	No
Functions	WDR, smart IR, ROI, 3D DNR, mask, motion, HLC, BLC	WDR, smart IR, ROI, 3D DNR, mask, motion, HLC, BLC
IR	20 - 30 m	30 - 50 m
IP/IK degree	IP67	IP67
Temperature range	-30°C ~ +60°C	-30°C ~ +60°C
Power supply/ consumptions	12 Vdc / PoE - 300 mA, 3.6 W	12 Vdc / PoE - 450 mA, 5.4 W
Dimensions in mm	ø 95 x 83	ø 112 x 100
Weight (g)	430	625
Notes	RTSP*, multi-stream. Installable with contact box: 46922.040	RTSP*, multi-stream. Installable with contact box: 46922.041

* RTSP: function for the connection to By-me Plus home automation system without using NVR or as additional camera for IP video entry systems.

Shooting range



IP Bullet cameras - 4 Mpx

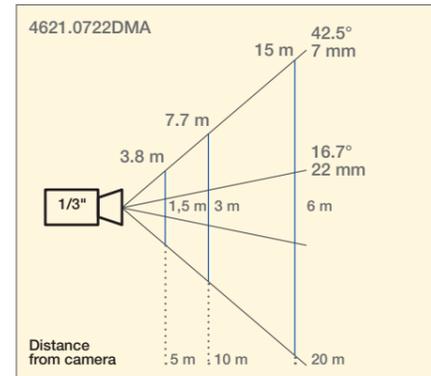


Code	4621.0722DMA
Sensor	1/3" CMOS Progressive scan, 4 Mpx
Resolution	2592 x 1520
Sensitivity	0.005 lux @F1.6 , AGC ON; 0 lux (IR LED ON)
Video compression	H.265 - H.264 - MJPEG
Day & night	ICR
Lens	7-22 mm @ F1.6 (42.5° - 16.7°)
Main frame rate	30 Fps (2592 x 1520) 30 Fps (2560 x 1440) 30 Fps (2304 x 1296) 30 Fps (1920 x 1080) 30 Fps (1280 x 720) 60 Fps (1920 x 1080) ** 60 Fps (1280 x 720) **
Secondary frame rate	30 Fps (1280 x 720) 30 Fps (D1) 30 Fps (CIF) 30 Fps (480 x 240)
Bit Rate	64 Kbps ~ 8 Mbps
SD card	Yes, not included (128 GB max)
In/Out audio	1/1
In/Out alarm	1/1
CVBS output video	Yes
Intelligent video analysis	Anomaly, line crossing, enter the area, exit the area, target count, area intrusion, facial recognition
Functions	Real WDR, smart IR, ROI, 3D DNR, mask, motion, HLC, BLC
IR	70 - 100 m
IP/IK degree	IP67
Temperature range	-30°C ~ +60°C
Power supply/consumptions	12 Vdc / PoE - 840 mA, 10 W
Dimensions in mm	280 x 100 x 89
Weight (g)	1'115
Notes	RTSP*, multi-stream. Installable with contact box: 46922.040

* RTSP: function for the connection to By-me Plus home automation system without using NVR or as additional camera for IP video entry systems.

** HFR mode: for more details, it allows you to record at a lower resolution but at 60 frames per second, this function is managed only in stand-alone mode with recording on SD-card.

Shooting range



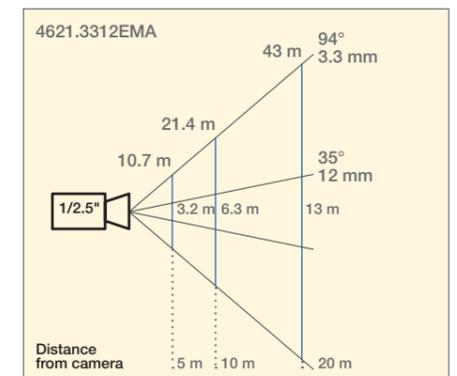
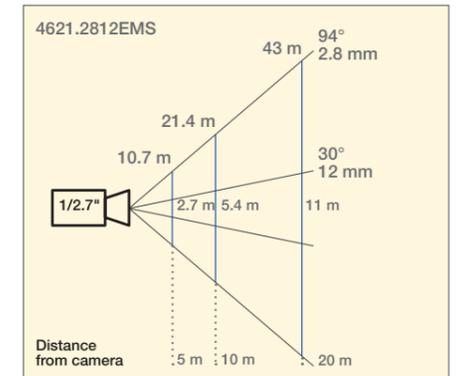
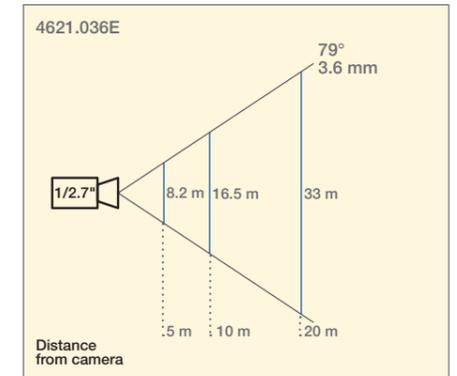
IP Bullet cameras - 5 Mpx



Code	4621.036E	4621.2812EMS motorised	4621.3312EMA motorised
Sensor	1/2.7" CMOS Progressive scan, 5 Mpx	1/2.7" CMOS Progressive scan, 5 Mpx	1/2.5" CMOS Progressive scan, 5 Mpx
Resolution	2592 x 1944	2592 x 1944	2592 x 1944
Sensitivity	0,0085 lux @F1.2 , AGC ON; 0 lux (IR LED ON)	0,0085 lux @F1.2 , AGC ON; 0 lux (IR LED ON)	0,013 lux @F1.2, AGC ON; 0 lux (IR LED ON)
Video compression	H.265 - H.264	H.265 - H.264	H.265 - H.264 - MJPEG
Day & night	ICR	ICR	ICR
Lens	3.6 mm @F2.0 (79°)	2.8-12 mm @F1.4 (94° - 30°) motorised	3.3-12 mm @F1.4 (94° - 35°) motorised
Main frame rate	20 Fps (2592 x 1944) 30 Fps (2560 x 1440) 30 Fps (1920 x 1080) 30 Fps (1280 x 720)	20 Fps (2592 x 1944) 30 Fps (2560 x 1440) 30 Fps (1920 x 1080) 30 Fps (1280 x 720)	30 Fps (2592 x 1520) 30 Fps (2560 x 1440) 30 Fps (2304 x 1296) 30 Fps (1920 x 1080) 30 Fps (1280 x 720)
Secondary frame rate	15 Fps (1280 x 720) 30 Fps (D1) 30 Fps (CIF) 30 Fps (480 x 240)	15 Fps (1280 x 720) 30 Fps (D1) 30 Fps (CIF) 30 Fps (480 x 240)	15 Fps (1280 x 720) 30 Fps (D1) 30 Fps (CIF) 30 Fps (480 x 240)
Bit Rate	64 Kbps ~ 5 Mbps	64 Kbps ~ 5 Mbps	128 Kbps ~ 10 Mbps
SD card	No	No	Yes, not included (128 GB max)
In/Out audio	0/0	0/0	1/1
In/Out alarm	0/0	0/0	1/1
CVBS output video	No	No	Yes
Intelligent video analysis	No	No	Line crossing, area intrusion, left and removed object, faults and facial recognition
Functions	WDR, smart IR, ROI, 3D DNR, mask, motion, HLC, BLC, Defog	WDR, smart IR, ROI, 3D DNR, mask, motion, HLC, BLC, Defog	Real WDR, smart IR, ROI, 3D DNR, mask, motion, HLC, BLC, Defog, corridor
IR	20 - 30 m	30 - 50 m	50 - 70 m
IP/IK degree	IP67	IP67	IP67
Temperature range	-30°C ~ +60°C	-30°C ~ +60°C	-30°C ~ +60°C
Power supply/consumptions	12 Vdc / PoE - 300 mA, 3.6 W	12 Vdc / PoE - 630 mA, 7.6 W	12 Vdc / PoE - 1 A, 12 W
Dimensions in mm	75 x 75 x 168	81 x 81 x 218	100 x 89 x 280
Weight (g)	405	640	1'115
Notes	RTSP*, multi-stream. Bracket included, installable with contact box: 46922.040	RTSP*, multi-stream. Bracket included, installable with contact box: 46922.040	RTSP*, multi-stream. Bracket included, installable with contact box: 46922.041

* RTSP: function for the connection to By-me Plus home automation system without using NVR or as additional camera for IP video entry systems.

Shooting range



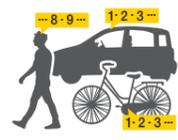
Video analysis applications (4621.0722DMA)



Anomaly (fault or tampering)



Mask detection



Counting people, cars and bicycles



Detection of people, cars and bicycles in a perimeter

The system records all the information about:

- if the camera has been damaged or is malfunctioning;
- face mask recognition;
- independently counts the detections of people, cars and bicycles;
- perimeter protection with reduction of false alarms with discrimination against people, cars and bicycles;

all the events generated are notified to the NVR, activating the recording or the alarm.

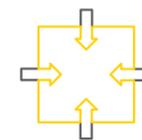
Video analysis applications (4621.3312EMA)



Anomaly (fault or tampering)



Line crossing



Area intrusion



Facial recognition



Counting people, cars and bicycles



Detection of people, cars and bicycles in a perimeter

The system records all the information about:

- if the camera has been damaged or is malfunctioning;
- if a person crosses a line or a virtual area (defined in the graphical interface);
- if an object get remove within the camera shooting area;

all the events generated are notified to the NVR, activating the recording or the alarm.

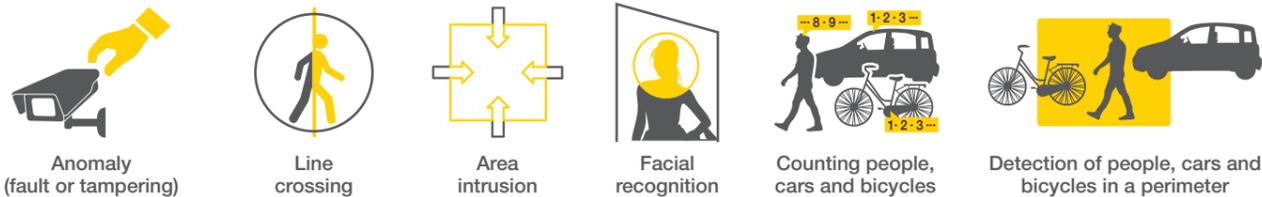
IP Mini Dome and Dome cameras - 5 Mpx



Code	4622.036E	4622.2812EMS motorised	▲ 4624.036EA
Sensor	1/2.7" CMOS Progressive scan, 5 Mpx	1/2.7" CMOS Progressive scan, 5 Mpx	1/2.7" CMOS Progressive scan, 5 Mpx
Resolution	2592 x 1944	2592 x 1944	2592 x 1944
Sensitivity	0.0085 lux @F1.2, AGC ON; 0 lux (IR LED ON)	0.0085 lux @F1.2, AGC ON; 0 lux (IR LED ON)	0.006 lux @F1.2, AGC ON; 0 lux (IR LED ON)
Video compression	H.265 - H.264	H.265 - H.264	H.264 - H.265 - H.265+ - H.265S
Day & night	ICR	ICR	ICR
Lens	3.6 mm @F2.0 (79°)	2.8-12 mm @F1.4 (94° - 30°) motorised	3.6 mm @ F1.6 (81.4°)
Main frame rate	20 Fps (2592 x 1944) 30 Fps (2560 x 1440) 30 Fps (1920 x 1080) 30 Fps (1280 x 720)	20 Fps (2592 x 1944) 30 Fps (2560 x 1440) 30 Fps (1920 x 1080) 30 Fps (1280 x 720)	30 Fps (2592 x 1944) 30 Fps (2592 x 1520) 30 Fps (2560 x 1440) 30 Fps (2304 x 1296) 30 Fps (1920 x 1080) 30 Fps (1280 x 720)
Secondary frame rate	15 Fps (1280 x 720) 30 Fps (D1) 30 Fps (CIF) 30 Fps (480 x 240)	15 Fps (1280 x 720) 30 Fps (D1) 30 Fps (CIF) 30 Fps (480 x 240)	15 Fps (1280 x 720) 30 Fps (D1) 30 Fps (CIF) 30 Fps (480 x 240)
Bit Rate	64 Kbps ~ 5 Mbps	64 Kbps ~ 5 Mbps	64 Kbps ~ 8 Mbps
SD card	No	No	Yes, not included (256 GB max)
In/Out audio	1/0 (built-in MIC)	1/0 (built-in MIC)	1/0 (built-in MIC)
In/Out alarm	0/0	0/0	0/0
CVBS output video	No	No	No
Intelligent video analysis	No	No	Line crossing, area intrusion, left and removed object, faults, facial recognition, vehicle/people count
Functions	WDR, smart IR, ROI, 3D DNR, mask, motion, HLC, BLC, Defog	WDR, smart IR, ROI, 3D DNR, mask, motion, HLC, BLC, Defog	Real WDR, smart IR, ROI, 3D DNR, mask, motion, HLC, BLC, Defog
IR	20 - 30 m	30 - 50 m	20 m
IP/IK degree	IP67 / -	IP67 / -	IP66 / IK10
Temperature range	-30°C ~ +60°C	-30°C ~ +60°C	-30°C ~ +60°C
Power supply/ consumptions	12 Vdc / PoE - 300 mA, 3.6 W	12 Vdc / PoE - 640 mA, 7.7 W	12 Vdc / PoE - 330 mA, 4 W
Dimensions in mm	ø 95 x 83	ø 112 x 100	ø 110 x 60
Weight (g)	445	600	349
Notes	RTSP*, multi-stream. Installable with contact box: 46922.040	RTSP*, multi-stream. Installable with contact box: 46922.041	RTSP*, multi-stream

* RTSP: function for the connection to By-me Plus home automation system without using NVR or as additional camera for IP video entry systems.

Video analysis applications (4624.036EA)



The system records all the information about:
 - if the camera has been damaged or is malfunctioning;
 - if a person crosses a line or a virtual area (defined in the graphical interface);
 - if an object get remove within the camera shooting area;
 all the events generated are notified to the NVR, activating the recording or the alarm.

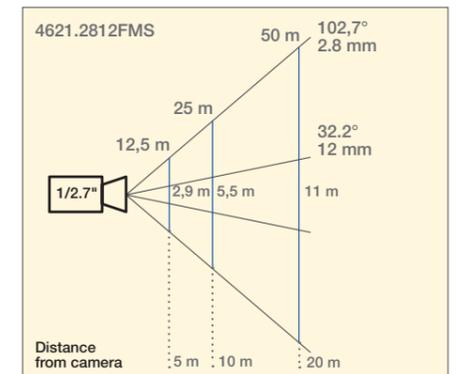
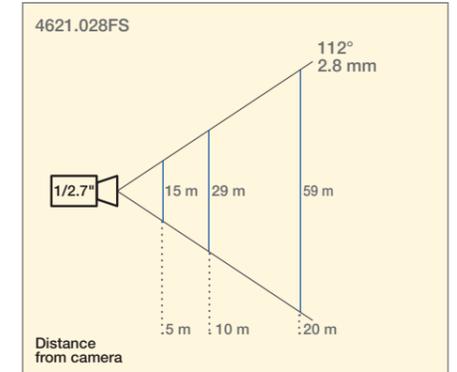
IP Bullet cameras - 4K



Code	4621.028FS	4621.2812FMS motorised
Sensor	1/2.7" CMOS Progressive scan, 8 Mpx	1/2.7" CMOS Progressive scan, 8 Mpx
Resolution	3840 x 2160	3840 x 2160
Sensitivity	0.032 lux @F1.2, AGC ON; 0 lux (IR LED ON)	0.032 lux @F1.2, AGC ON; 0 lux (IR LED ON)
Video compression	H.265 - H.264 - MJPEG	H.265 - H.264
Day & night	ICR	ICR
Lens	2.8 mm @F2.0 (112°)	2.8-12 mm @F1.4 (102.7° - 32.2°) motorised
Main frame rate	20 Fps (3840 x 2160) 20 Fps (3072 x 2048) 20 Fps (2592 x 1944)	20 Fps (3840 x 2160) 20 Fps (3072 x 2048) 20 Fps (2592 x 1944)
Secondary frame rate	20 Fps (1280 x 720) 20 Fps (D1) 20 Fps (CIF)	20 Fps (1280 x 720) 20 Fps (D1) 20 Fps (CIF)
Bit Rate	128 Kbps ~ 8 Mbps	64 kbps ~ 8 Mbps
SD card	Yes, not included (128 GB max)	Yes, not included (128 GB max)
In/Out audio	1/0	1/0
In/Out alarm	0/0	0/0
CVBS output video	No	No
Intelligent video analysis	No	No
Functions	WDR, smart IR, ROI, 3D DNR, mask, motion, HLC, BLC, Defog	WDR, smart IR, ROI, 3D DNR, Mask, Motion, HLC, BLC, Defog
IR	20 - 30 m	30 - 50 m
Grado IP	IP67	IP67
Temperature range	-30°C ~ +60°C	-30°C ~ +60°C
Power supply/ consumptions	12 Vdc / PoE - 450 mA, 5.4 W	12 Vdc / PoE - 700 mA, 8.4 W
Dimensions in (mm)	75 x 75 x 168	81 x 81 x 218
Weight (g)	435	640
Notes	RTSP*, multi-stream. Installable with contact box: 46922.040	RTSP*, multi-stream. Installable with contact box: 46922.040

* RTSP: function for the connection to By-me Plus home automation system without using NVR or as additional camera for IP video entry systems.

Shooting range



IP Dome cameras - 4K



4K Built-in micro

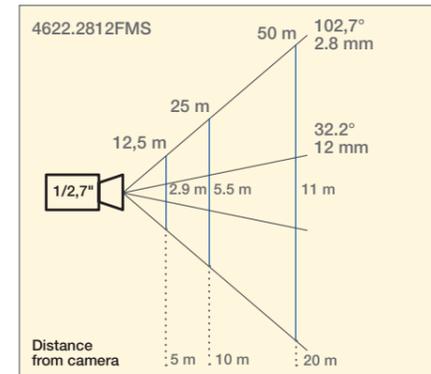
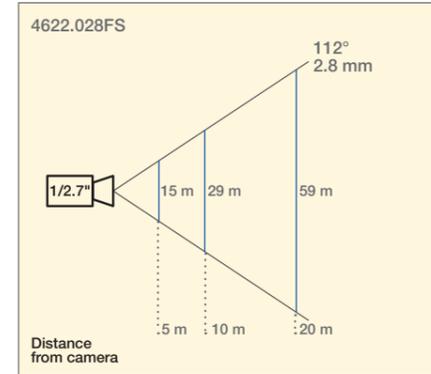


4K Built-in micro

Code	4622.028FS	4622.2812FMS motorised
Sensor	1/2.7" CMOS Progressive scan, 8 Mpx	1/2.7" CMOS Progressive scan, 8 Mpx
Resolution	3840 x 2160	3840 x 2160
Sensitivity	0.032 lux @F1.2, AGC ON; 0 lux (IR LED ON)	0.032 lux@F1.2, AGC ON; 0 Lux (IR LED ON)
Video compression	H.265 - H.264 - MJPEG	H.265 - H.264
Day & night	ICR	ICR
Lens	2.8 mm @F2.0 (112°)	2.8-12 mm @F1.4 (102.7° - 32.2°) motorised
Main frame rate	20 Fps (3840 x 2160) 20 Fps (3072 x 2048) 20 Fps (2592 x 1944)	20 Fps (3840 x 2160) 20 Fps (3072 x 2048) 20 Fps (2592 x 1944)
Secondary frame rate	20 Fps (1280 x 720) 20 Fps (D1) 20 Fps (CIF)	20 Fps (1280 x 720) 20 Fps (D1) 20 Fps (CIF)
Bit Rate	64 Kbps ~ 8 Mbps	64 kbps ~ 8 Mbps
SD card	Yes, not included (128 GB max)	Yes, not included (128 GB max)
In/Out audio	1/0 (built-in MIC)	1/0 (built-in MIC)
In/Out alarm	0/0	0/0
CVBS output video	No	No
Intelligent video analysis	No	No
Functions	Real WDR, smart IR, ROI, 3D DNR, mask, motion, HLC, BLC, Defog	WDR, smart IR, ROI, 3DNR, mask, motion, HLC, BLC, Defog
IR	20 - 30 m	30 - 50 m
IP/IK degree	IP67 / -	IP67 / -
Temperature range	-30°C ~ +60°C	-30°C ~ +60°C
Power supply/ consumptions	12 Vdc / PoE - 450 mA, 5.4 W	12 Vdc / PoE - 700 mA, 8.4 W
Dimensions in (mm)	ø 95 x 83	ø 112 x 100
Weight (g)	430	625
Notes	RTSP*, multi-stream	RTSP*, multi-stream. Installable with contact box: 46922.041

* RTSP: function for the connection to By-me Plus home automation system without using NVR or as additional camera for IP video entry systems.

Shooting range



IP Dome cameras (vandal proof IK10) - 4K

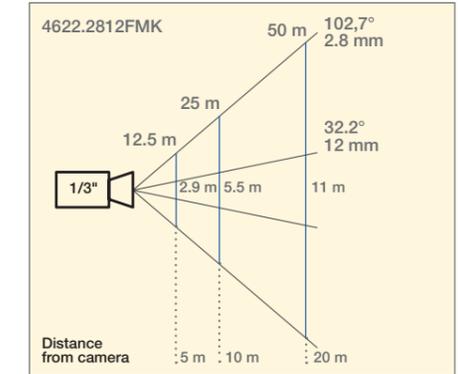


4K

Code	4622.2812FMK motorised
Sensor	1/3" CMOS Progressive scan, 8 Mpx
Resolution	3840 x 2160
Sensitivity	0,032 lux@F1.2, AGC ON; 0 Lux (IR LED ON)
Video compression	H.265 - H.264
Day & night	ICR
Lens	2.8-12 mm @F1.4 (102.7° - 32.2°) motorised
Main frame rate	20 Fps (3840 x 2160) 20 Fps (3072 x 2048) 20 Fps (2592 x 1944)
Secondary frame rate	20 Fps (1280 x 720) 20 Fps (D1) 20 Fps (CIF)
Bit Rate	64 kbps ~ 8 Mbps
SD card	Yes, not included (128 GB max)
In/Out audio	1/1
In/Out alarm	1/1
CVBS output video	No
Intelligent video analysis	No
Functions	WDR, smart IR, ROI, 3DNR, mask, motion, HLC, BLC, Defog
IR	30 - 50 m
IP/IK degree	IP67 / IK10
Temperature range	-30°C ~ +60°C
Power supply/ consumptions	12 Vdc / PoE - 750 mA, 9 W
Dimensions in (mm)	ø 141 x 100
Weight (g)	930
Notes	RTSP*, multi-stream. Installable with contact box: 46922.042

* RTSP: function for the connection to By-me Plus home automation system without using NVR or as additional camera for IP video entry systems.

Shooting range

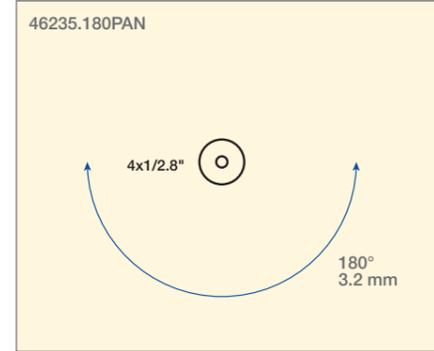


Special cameras

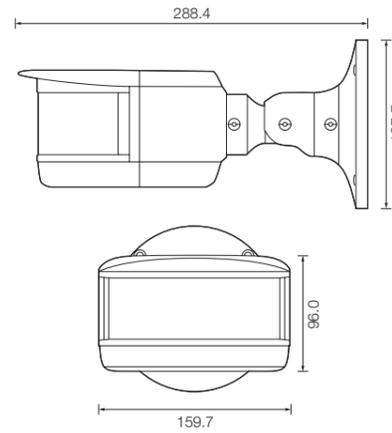


Code	46235.180PAN
Sensor	4 sensors 1/2.8" CMOS Progressive scan, 2 Mpx
Resolution	4096 x 1800
Sensitivity	0.008 lux @F2.0, AGC ON; 0 lux (IR LED ON)
Video compression	H.264 - H.265 - H.265+
Day & night	ICR
Lens	4 x 3.2 mm @F2.0 (180°)
Main frame rate	30 Fps (4096 x 1800) 30 Fps (3840 x 1680) 30 Fps (2880 x 1264)
Secondary frame rate	30 Fps (1920 x 832) 30 Fps (1280 x 560) 30 Fps (1024 x 452) 30 Fps (704 x 320)
Bit Rate	128 Kbs ~ 9 Mbs
SD card	Yes, not included (256 GB max)
In/Out audio	1/1
In/Out alarm	1/1
CVBS output video	No
Intelligent video analysis	Line crossing, area intrusion, faults, facial recognition and vehicle/people count
Functions	DWDR, smart IR, ROI, 3DNR, mask, motion, HLC, BLC, Defog
IR	20 m
IP/IK degree	IP67 / IK10
Temperature range	-30°C ~ +60°C
Power supply/consumptions	12 Vdc / PoE - 1.1 A, 13.2 W
Dimensions in mm	289 x 160 x 138
Weight (g)	2'100
Notes	Multi-stream. Database of up to 10,000 faces. Installable with contact box: 46922.042

Shooting range

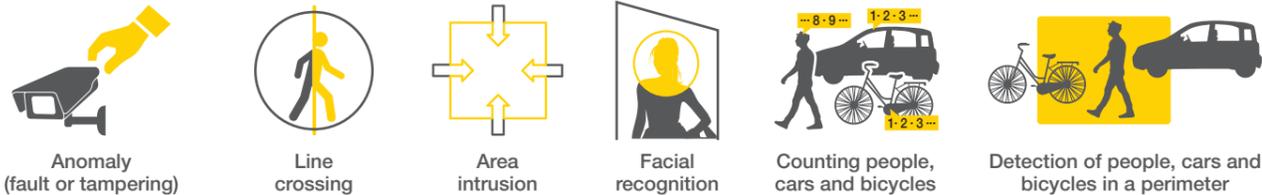


Dimensions in mm (46235.180PAN)



* RTSP: function for the connection to By-me Plus home automation system without using NVR or as additional camera for IP video entry systems.

Video analysis applications (46235.180PAN)



The system records all the information about:
 - if the camera has been damaged or is malfunctioning;
 - if a person crosses a line or a virtual area (defined in the graphical interface);
 - if an object get remove within the camera shooting area;
 all the events generated are notified to the NVR, activating the recording or the alarm.

Special cameras

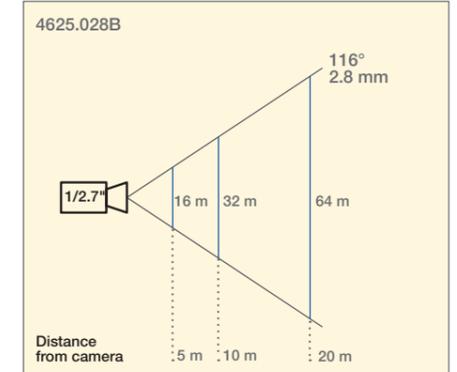
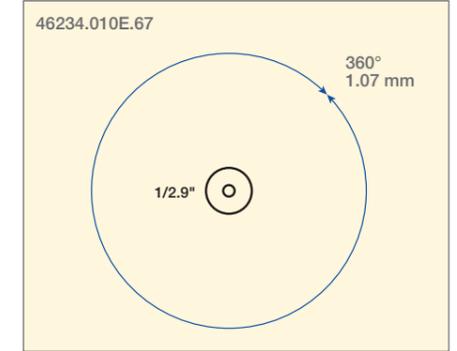


Code	46234.010E.67	4625.028B
Sensor	1/2.9" CMOS Progressive scan, 5 Mpx	1/2.7" CMOS Progressive scan, 2 Mpx
Resolution	3096 x 2202 (2160 x 2160 overview)	1920 x 1080
Sensitivity	0,024 lux @F1.2, AGC ON; 0 Lux (IR LED ON)	0,007 lux @F1.2, AGC ON; 0 lux (IR LED ON)
Video compression	H.264 - H.265	H.264 - H.265 - MJPEG
Day & night	ICR	ICR
Lens	1.07 mm @ F2.5 view angle: 180° (surface) 360° (ceiling)	2.8 mm @F1.85 (116°)
Main frame rate	1) Fisheye+overview+3 PTZ 30 Fps (2160 x 2160/1920 x 1920/1440 x 1440) 30 Fps (1920 x 1080) 30 Fps (960 x 540) x 3 2) Fisheye+4 PTZ 30 Fps (2160 x 2160/1920 x 1920 /1440 x 1440) 30 Fps (960 x 540) x 4	30 Fps (1920 x 1080) 30 Fps (1280 x 720) 30 Fps (D1) 30 Fps (CIF) 30 Fps (480 x 240)
Secondary frame rate	30 Fps (960 x 960) 30 Fps (960 x 540) 30 Fps (704 x 576) 30 Fps (480 x 480) 30 Fps (480 x 240)	30 Fps (D1) 30 Fps (CIF) 30 Fps (480 x 240)
Bit Rate	128 kbps ~ 10 Mbps	128 Kbs ~ 6 Mbs
SD card	Yes, not included (128 GB max)	Yes, not included (128 GB max)
In/Out audio	1/1 (built-in MIC)	1 integrated MIC and SPEAKER
In/Out alarm	1/1	1/1
CVBS output video	Yes	No
Intelligent video analysis	No	No
Functions	WDR, ROI, 3D-DNR, Mask, Motion, HLC, BLC	Digital WDR, smart IR, ROI, 3D-DNR, mask, motion, HLC, BLC, Defog, corridor, PIR
IR	20 - 30 m	10 m
IP/IK degree	IP67	-
Temperature range	-10° C ~ +50° C	0°C ~ +45°C
Power supply/consumptions	12 Vdc / PoE - 880 mA, 10.6 W	12 Vdc / PoE - 220 mA, 2.7 W
Dimensions in mm	ø 130 x 39	72 x 72 x 130
Weight (g)	432	185
Notes	RTSP*, multi-stream. Installable with contact box: 46922.019	IEEE802.11b/g/n - 2,4GHz RTSP*, multi-stream, bracket included,

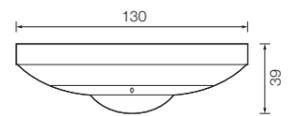
* RTSP: function for the connection to By-me Plus home automation system without using NVR or as additional camera for IP video entry systems.

** The Fisheye camera code 46234.010E.67 is matchable with: NVR (46241.H16, 46241.F32H, 46241.H64, 46NVR.64) and kit (46KIT.1634E, 46250.1634E, 46250.3234E)

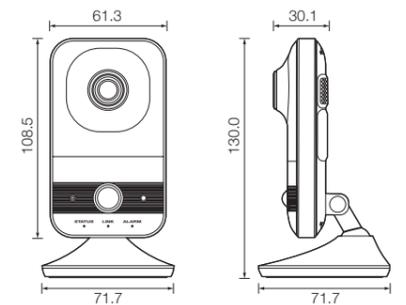
Shooting range



Dimensions in mm (46234.010E.67)



Dimensions in mm (4625.028B)



IP Fisheye cameras bracket



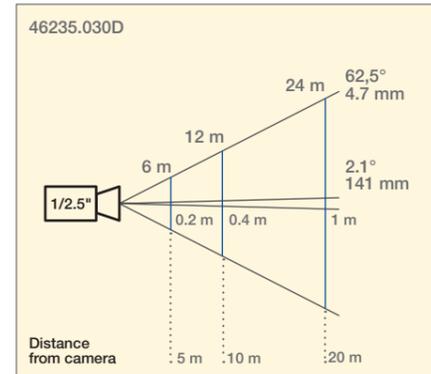
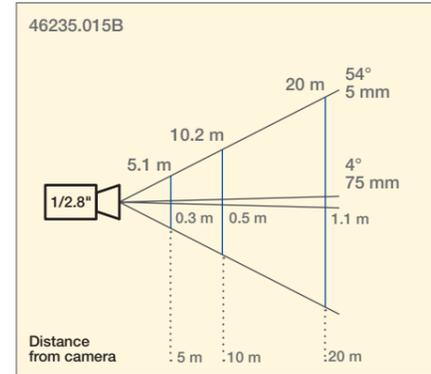
46922.019
Bracket with contact box, for surface or ceiling mounting

IP PTZ (Speed Dome) cameras - 2 and 4 Mpx



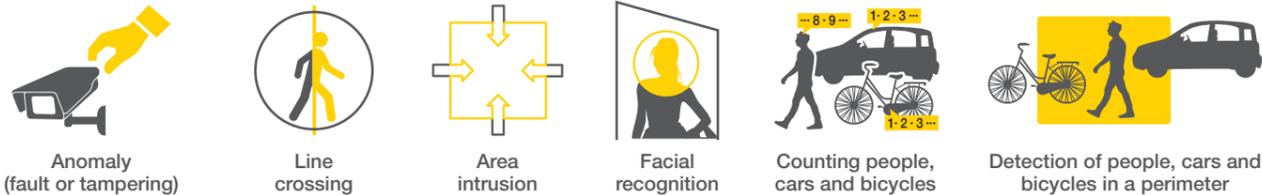
Code	46235.015B	46235.030D
Sensor	1/2.8" CMOS Progressive scan, 2 Mpx	1/2.5" CMOS Progressive scan, 4 Mpx
Resolution	1920 x 1080	2560 x 1440
Sensitivity	0.005lux (colour) / 0.001lux (B/W) @F1.6, AGC ON, 0 lux IR LED ON	0.01lux (colour) / 0.002lux (B/W) @F1.5, AGC ON, 0 lux IR LED ON
Video compression	H.264 - H.265 - MJPEG	H.264 - H.265 - MJPEG
Day & night	Auto / Manual / Timing	Auto / Manual / Timing
Lens	Optical zoom 15x (5 - 75 mm)	Optical zoom 30x (4.7 - 141 mm)
Angolo di viYesone	54° Wide - 4° Tele	62.5° Wide - 2.1° Tele
Main frame rate	30 Fps (1920 x 1080) 30 Fps (1280 x 720)	30 Fps (2560 x 1440) 30 Fps (2304 x 1296) 30 Fps (1920 x 1080) 30 Fps (1280 x 720)
Secondary frame rate	30 Fps (1280 x 720) 30 Fps (704 x 576) 30 Fps (480 x 240) 30 Fps (352 x 288)	30 Fps (1280 x 720) 30 Fps (704 x 576) 30 Fps (480 x 240) 30 Fps (352 x 288)
Bit Rate	64 kbps / 4 Mbps	64 kbps / 6 Mbps
Pan/Tilt limit	360° continue, -5° a 90° auto Flip	360° continue, -3° a 90° auto Flip
Preset	360	360
Patrol/Pattern	8/4	8/4
SD card	Yes, not included (256 GB max)	Yes, not included (256 GB max)
In/Out audio	0/0	1/1
In/Out alarm	0/0	1/1
CVBS output video	No	No
Intelligent video analysis	Line crossing, area intrusion, faults, facial recognition and vehicle/people count	Line crossing, area intrusion, faults, facial recognition and vehicle/people count
Functions	WDR 120dB, smart IR, Defog, BLC, HLC, 3D DNR, smart tracking	WDR 120dB, smart IR, Defog, BLC, HLC, 3D DNR, smart tracking
IR	Smart IR up to 150 m	Smart IR up to 100 m
IP/IK degree	IP66	IP66
Temperature range	-30°C ~ +55°C	-30°C ~ +60°C
Power supply/consumptions	12 Vdc / PoE - 22 W	24 Vdc / PoE - 30 W
Dimensions in mm	ø 173 x 247 only camera	ø 209 x 328 only camera
Weight (g)	2'100	3'700
Notes	Multi-stream. Database of up to 10,000 faces. Bracket included	Multi-stream. Database of up to 10,000 faces. Bracket and power supply unit included

Shooting range



* RTSP: function for the connection to By-me Plus home automation system without using NVR.

Video analysis applications (46235.015B and 46235.030D)



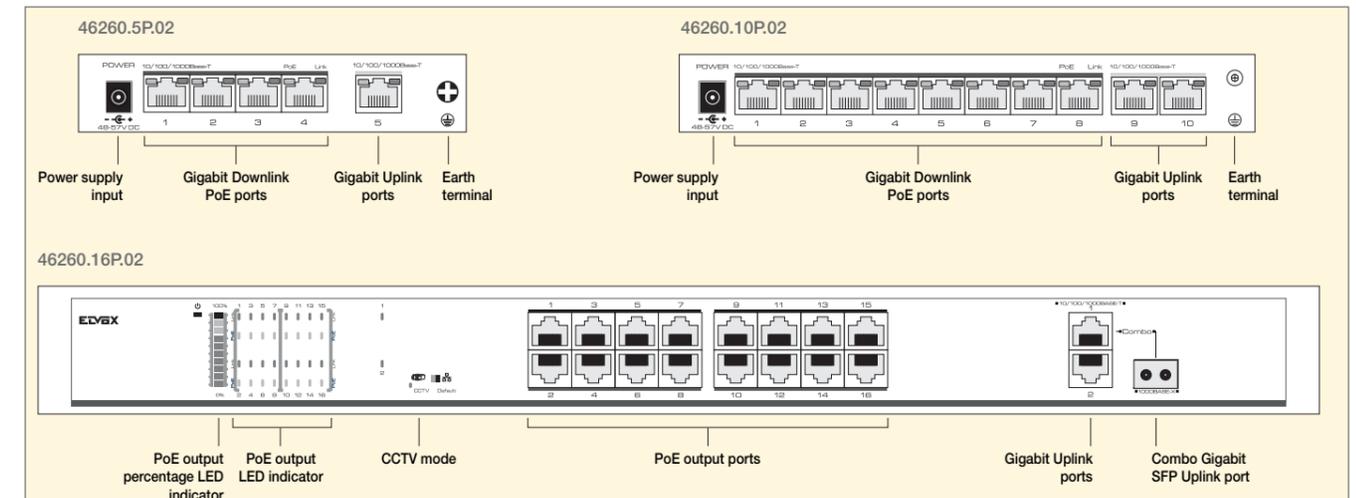
The system records all the information about:
 - if the camera has been damaged or is malfunctioning;
 - if a person crosses a line or a virtual area (defined in the graphical interface);
 - if an object get remove within the camera shooting area;
 all the events generated are notified to the NVR, activating the recording or the alarm.

PoE Ethernet switch



Code	46260.5P.02	46260.10P.02	46260.16P.02
Standard PoE	802.3af/at (PSE)	802.3af/at (PSE)	IEEE802.3af/at (PSE)
Ports	5	10	16
Downlink ports	4 10/100/1000 BASE-T (PoE+)	8 10/100/1000 BASE-T (PoE+)	16 10/100 BASE-TX (PoE+)
Uplink ports	1 10/100/1000 BASE-T	2 10/100/1000 BASE-T	2 10/100/1000 Base+T+1, 1000 Base-X (combo)
Network standard	IEEE 802.3 IEEE 802.3u IEEE 802.3ab IEEE 802.3x	IEEE 802.3 IEEE 802.3u IEEE 802.3ab IEEE 802.3x	IEEE 802.3 IEEE 802.3u IEEE 802.3ab IEEE 802.3z
Switching capacity	10 Gbit/s	20 Gbit/s	7,2 Gbit/s
Packet switching	7,44 Mp/s	14 Mp/s	5,36 Mp/s
Exchange type	Store and Forward	Store and Forward	No
Buffer	No	1 M	2.75 M
MAC addresses	2K	4K	4K
Immunity to transitional overvoltage	6 kV: IEC61000-4-5	6 kV: IEC61000-4-5	6 kV: IEC61000-4-5
Protection from electrostatic discharge (ESD)	6 kV (discharge to contact) 8 kV (discharge to air) According to: IEC61000-4-2	6 kV (discharge to contact) 8 kV (discharge to air) According to: IEC61000-4-2	6 kV (discharge to contact) 8 kV (discharge to air) According to: IEC61000-4-2
PoE Power Output (per port)	54 Vdc 30 W max	54 Vdc 30 W max	54 Vdc 30 W max
Total PoE Power	60 W max	120 W max	180 W max
PoE mode	End-Span	End-Span	End-Span
PoE supply	1/2(+), 3/6(-)	1/2(+), 3/6(-)	1/2(+), 3/6(-)
Voltage/consumptions	input: 100-240 Vac, 2 A output: 54 Vdc, 1.11 A	input: 100-240 Vac, 2 A output: 54 Vdc, 1.11 A	100-240 Vac, 2 A
Absorbed power	5 W	5 W	-
Operating temperature	-10° C / +55° C	-10° C / +45° C	-10° C / +45° C
Operating humidity (without condensation)	5% / 95%	5% / 95%	5% / 95%
Dimensions in (mm)	135 x 85.6 x 27	200 x 101,8 x 27	442 x 285 x 44.5
Weight (g)	315 g	500 g	-
Notes	TVCC mode: the downlink ports transmit to the uplink ports, only	TVCC mode: the downlink ports transmit to the uplink ports, only	TVCC mode: the downlink ports transmit to the uplink ports, only

PoE Ethernet switch connections



NVR H.265 Real Time up to 8 Mpx



Code	46NVR.04PS	46NVR.08PS	46NVR.08P	46NVR.16P
Video input	4 Ch	8 Ch	8 Ch	16 Ch
PoE ports	4	8	8	16
Hard disk	1 TB Professional	1 TB Professional	1 TB Professional	2 TB Professional
Fisheye camera	No	No	No	No
Recording resolution	Real time 6 Mpx 4 CH @ 100 Fps	Real time 6 Mpx 8 CH @ 200 Fps	Real time 8 Mpx 8 CH @ 200 Fps	Real time 8 Mpx 16 CH @ 400 Fps
Video compression	H.264, H.265	H.264, H.265	H.264, H.265	H.264, H.265
Operating mode	Pentaplex	Pentaplex	Pentaplex	Pentaplex
Bandwidth input /output	28/28 (Mbps)	40/40 (Mbps)	80/80 (Mbps)	112/112 (Mbps)
Video output	1 HDMI, 1 VGA			
In/Out audio	0 / 0	0 / 0	1 / 1	1 / 1
VGA/HDMI resolution	1080p / 1080p	1080p / 1080p	1080p / 4K	1080p / 4K
In/Out alarm	- / - (46936.001)	- / - (46936.001)	- / - (46936.001)	- / - (46936.001)
Network interface	1 RJ45 - 100Mbps	1 RJ45 - 100Mbps	1 RJ45 - 10/100/1000Mbps	1 RJ45 - 10/100/1000Mbps
Hard disk interface	1 SATA (max 8 TB)	1 SATA (max 8 TB)	1 SATA (max 8 TB)	2 SATA (max 8 TB)
USB interface	2	2	2	2
RS485	No	No	No	No
PTZ control	Yes	Yes	Yes	Yes
CVM	Yes	Yes	Yes	Yes
QR CODE	Yes	Yes	Yes	Yes
Smartphone control	Android , iPhone	Android , iPhone	Android , iPhone	Android , iPhone
Video analysis	Yes *	Yes *	Yes *	Yes *
Privacy filter	Yes	Yes	Yes	Yes
Interface	mouse, remote control	mouse, remote control	mouse, remote control	mouse, remote control
Power supply/ consumptions (PoE and HDD not included)	+48 V 1,25 A / 6 W (per supply unit)	+48 V 2,5 A / 6 W (per supply unit)	+48 V 2,5 A / 10 W (per supply unit)	+48 V 3,75 A / 15 W (per supply unit)
Operating temperature	-10 °C ~ +50 °C	-10 °C ~ +50 °C	0 °C ~ +50 °C	0 °C ~ +50 °C
Cooling fan	No	No	No	Yes
Dimensions (mm)	255 x 222 x 42	255 x 222 x 42	300 x 248 x 52	380 x 269 x 52
Weight (kg)	-	-	1,2 (HDD not included)	2 (HDD not included)
Notes				1 rack unit

Note: with the **new firmware 1.4.5**, the NVRs are also compatible with browsers other than Explorer without the need to install plug-ins (Edge, Firefox, Chrome, Safari and Opera).

Plug&Play: these PoE NVRs allow direct connection to cameras, with Plug & Play function (power supply and auto-configuration of the cameras).

* Compatible with cams with intelligent video analysis.

NVR Real Time up to 8 Mpx



Code	46NVR.16	46NVR.32	46NVR.64
Video input	16 Ch	32 Ch	64 Ch
PoE ports	No	No	No
Hard disk	2 TB Professional	2 TB Professional	Not included
Fisheye camera	No	No	Matchable
Recording resolution	Real time 8 Mpx 16 CH @ 400 Fps	Real time 8 Mpx 32 CH @ 800 Fps	Real time 8 Mpx 64 CH @ 1600 Fps
Video compression	H.264, H.265	H.264, H.265	H.264, H.265
Operating mode	Pentaplex	Pentaplex	Pentaplex
Bandwidth input /output	112/112 (Mbps)	112/112 (Mbps)	320/320 (Mbps)
Video output	1 HDMI, 1 VGA	1 HDMI, 1 VGA	2 HDMI, 1 VGA
In/Out audio	1 / 1	1 / 1	1 / 1
VGA/HDMI resolution	1080p / 4K	1080p / 4K	1080p / 4K - 1080p
In/Out alarm	4 / 1 (46936.001)	4 / 1 (46936.001)	8 / 4
Network interface	1 RJ45 - 10/100/1000Mbps	1 RJ45 - 10/100/1000 Mbps	2 RJ45 - 10/100/1000Mbps
Hard disk interface	2 SATA (max 8 TB)	2 SATA (max 8 TB)	8 SATA (max 8 TB) 2 E-SATA (max 8 TB)
USB interface	2	2	3 (2x 2.0 + 1 x 3.0)
RS485	Yes	Yes	Yes
PTZ control	Yes	Yes	Yes
CVM	Yes	Yes	Yes
QR CODE	Yes	Yes	Yes
Smartphone control	Android , iPhone	Android , iPhone	Android , iPhone
Video analysis	Yes *	Yes *	Yes *
Privacy filter	Yes	Yes	Yes
Interface	mouse, remote control	mouse, remote control	mouse, remote control
Power supply/ consumptions (PoE and HDD not included)	+12 V 3 A / 15 W	+12 V 3 A / 15 W	Ac 110/230 V / 15 W (inner supply unit)
Operating temperature	0 °C ~ +50 °C	0 °C ~ +50 °C	0 °C ~ +50 °C
Cooling fan	Yes	Yes	Yes
Dimensions (mm)	380 x 269 x 52	380 x 269 x 52	445 x 436 x 100
Weight (kg)	1.5 (HDD not included)	1.5 (HDD not included)	4.5 (HDD not included)
Notes	1 rack unit	1 rack unit	2 rack units. Raid configuration 0-1-5-6-10

* Compatible with cams with intelligent video analysis.

USB alarms extension



Code	46936.001		
Connection type	USB	Operating temperature	- 10°C ~ 50°C
In alarm	16	Operating humidity	10% ~ 90%
Out alarm	6	Power supply	5V / 1A
USB	USB2.0 x 1	Consumptions	≤ 5W

Alarms extension compatibility - NVR

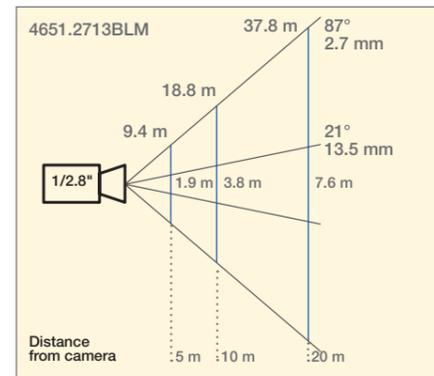
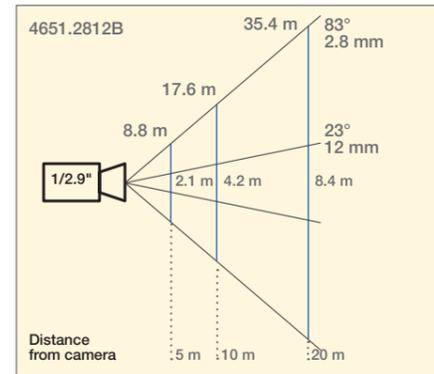
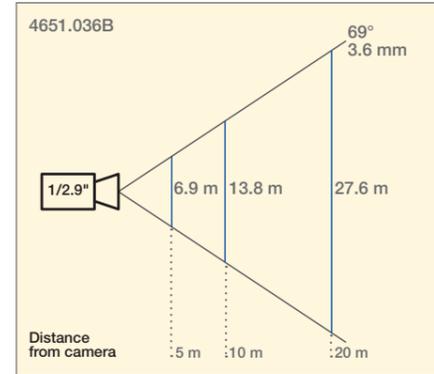
Yes	46NVR.08P, 46NVR.16, 46NVR.16P, 46NVR.032
No	46NVR.64

AHD Bullet cameras - 1080p (Full-HD)



Code	4651.036B	4651.2812B	4651.2713BLM motorised
Sensor	1/2.9" CMOS	1/2.9" CMOS	1/2.8" CMOS
Real pixel	1932 x 1088	1932 x 1088	1945 x 1097
Resolution	1080p / 720p	1080p / 720p	1080p
Video output	AHD / TVI / CVI / CVBS	AHD / TVI / CVI / CVBS	AHD / CVBS
Sensitivity	0 Lux (IR LED ON)	0 Lux (IR LED ON)	Colour 0.001 lux @F1.3 B&W 0.0001 lux @ F1.3
Day & night	Mechanical ICR	Mechanical ICR	Colour/B&W
Lens	3.6 mm	2.8-12 mm	2.7-13.5 mm motorised
View angle	69°	83° - 23°	87° - 21°
S/N ratio	52 dB	52 dB	56 dB
Shutter speed (PAL)	AUTO	AUTO	AUTO , FLK , 1/25 s - 1/25600 s
Joystick	Yes	Yes	Yes
Functions	3DNR, smart IR, BLC, D-WDR, AGC	3DNR, smart IR, BLC, D-WDR, AGC	DNR, BLC, HLC, D-WDR, AGC, Freeze, Flip, Defog, Motion
OSD via CoC	Yes	Yes	Yes
IR	18 m	35 m	No
IP degree	IP66	IP66	IP66
Temperature range	-30°C ~ +60°C	-30°C ~ +60°C	-30°C ~ +60°C
Power supply/ consumptions	12 V 350 mA	12 V 600 mA	12 V 120 mA
Dimensions in (mm)	167 x 70 x 84	231 x 84 x 110	231 x 84 x 110
Weight (g)	490	720	720
Notes	Installable with bracket for pole 46917.004 and contacts boxes 46922.030 and 46922.033	Installable with bracket for pole 46917.004 and contacts boxes 46922.030 and 46922.033	Installable with bracket for pole 46917.004 and contacts boxes 46922.030 and 46922.033

Shooting range

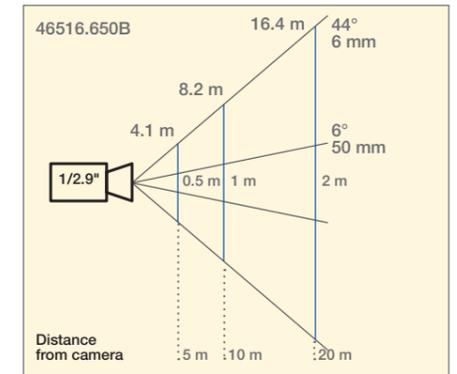
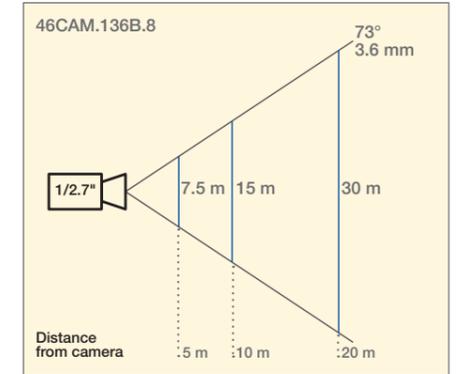


AHD Bullet cameras - 1080p (Full-HD)



Code	46CAM.136B.8	46516.650B
Sensor	1/2.7" CMOS	1/2.9" CMOS
Real pixel	1928 x 1088	1985 x 1105
Resolution	1080p 25Fps	1080p 25Fps
Video output	CVBS/AHD/CVI/TVI	AHD/CVBS
Sensitivity	0 Lux (IR LED ON)	0 Lux (IR LED ON)
Day & night	Colour/B&W	Colour/B&W
Lens	3.6 mm	6-50 mm
View angle	73 mm	44° - 6°
S/N ratio	40 dB	52 dB
Shutter speed (PAL)	-	AUTO , FLK , 1/50 s - 1/100000 s x2-x30
Joystick	-	Yes
Functions	-	2D 3DNR, BLC, HSBL, LSC, D-WDR, WB, AGC, DPC, Mirror, Motion, Privacy, Defog
OSD via CoC	-	Yes
IR	20 m	45 - 50 m
IP degree	IP66	IP66
Temperature range	-10°C ~ +50°C	-30°C ~ +60°C
Power supply/ consumptions	12 V 230 mA	12 V 630 mA
Dimensions in (mm)	60 x 65 x 152	ø 84 x 231
Weight (g)	276	690
Notes	Compatible with power supplies 46ALI.010.BS, 46ALI.010.US and 46ALI.015.AU	Installable with bracket for pole 46917.004 and contacts boxes 46922.030 and 46922.033

Shooting range



Low Light cameras (4651.2713BLM)



Shooting from standard camera



Shooting from Low Light camera

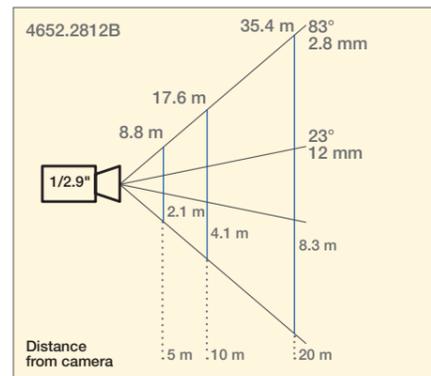
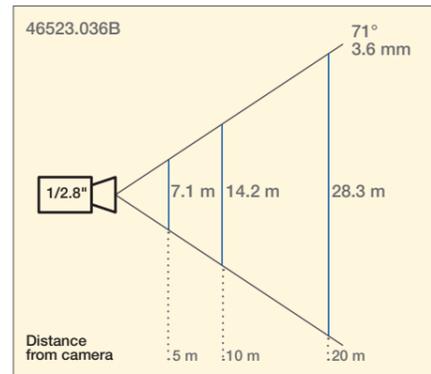
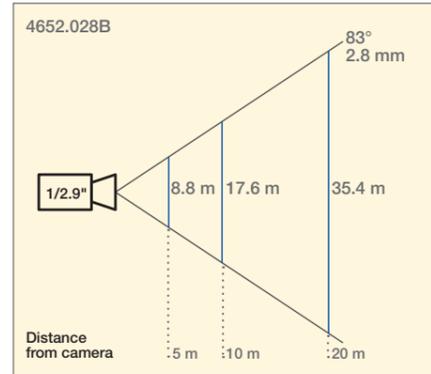
The Low Light cameras are characterised for their high sensibility of lighting and are able to guarantee very sharp coloured images even in low light conditions.

AHD Dome cameras - 1080p (Full-HD)



Code	4652.028B	46523.036B	4652.2812B
Sensor	1/2.9" CMOS	1/2.8" CMOS	1/2.9" CMOS
Real pixel	1932 x 1088	1984 x 1105	1932 x 1088
Resolution	1080p / 720p	1080p	1080p / 720p
Video output	AHD / TVI / CVI / CVBS	AHD / CVBS	AHD / TVI / CVI / CVBS
Sensitivity	0 Lux (IR LED ON)	0 Lux (IR LED ON)	0 Lux (IR LED ON)
Day & night	Mechanical ICR	Mechanical ICR	Mechanical ICR
Lens	2.8 mm	3.6 mm	2.8-12 mm
View angle	83°	71°	83 - 23°
S/N ratio	52 dB	50 dB	52 dB
Shutter speed (PAL)	AUTO	AUTO/FLICKER 1/25 s - 1/50000 s x2 - x30	AUTO
Joystick	Yes	Yes	Yes
Functions	3DNR, smart IR, BLC, D-WDR, AGC	2DNR, 3DNR, smart IR, BLC, HSBLIC, D-WDR, WHITE-BAL, AGC, Defect, Defog, Motion, Alarm, Privacy, Mirror, V-Flip, Rotate, Neg-Img, Freeze	3DNR, smart IR, BLC, D-WDR, AGC
OSD via CoC	Yes	Yes	Yes
IR	15 m	10 LED, 5 m	20 m
IP degree	IP66	IP66	IP66
Temperature range	-30°C ~ +60°C	-10°C ~ +50°C	-30°C ~ +60°C
Power supply/ consumptions	12 V 350mA	12 V 300 mA	12 V 400 mA
Dimensions in (mm)	ø 94 x 80	ø 50 x 54	ø 120 x 100
Weight (g)	320	300	610
Notes	Installable with bracket for pole 46917.004 and contacts box 46922.031, 46922.032 and 46922.033		Installable with bracket for pole 46917.004 e and contacts boxes 46922.031, 46922.032 and 46922.033

Shooting range

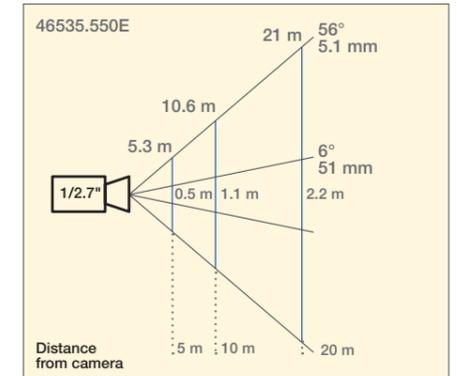
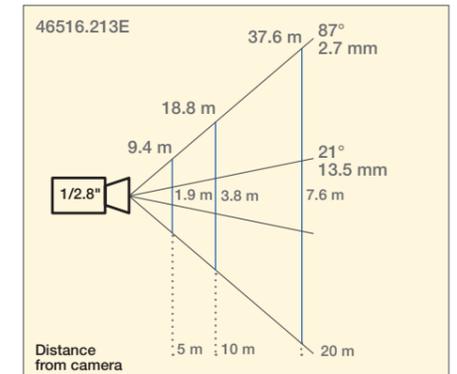
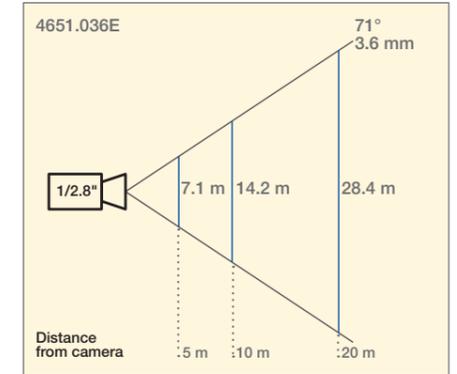


AHD Bullet cameras - 5 Mpx



Code	4651.036E	46516.213E motorised	46535.550E orientable
Sensor	1/2.8" CMOS	1/2.8" CMOS	1/2.7" CMOS
Real pixel	2688 x 1944	2688 x 1944	2688 x 1944
Resolution	5 Mpx (2560 x 1936) 20 Fps, selectable 4 Mpx (2560 x 1440) 25 Fps	5 Mpx (2560 x 1936) 20 Fps, 4 Mpx (2560 x 1440) 25 Fps	5 Mpx (2560 x 1936) 20 Fps, 4 Mpx (2560 x 1440) 25 Fps
Video output	0 Lux (IR LED ON)	0 Lux (IR LED ON)	0 Lux (IR LED ON)
Sensitivity	No	Optical zoom 5x	Optical zoom 10x
Day & Night	3.6 mm	2.7 - 13.5 mm	5.1 - 51 mm
Zoom	71°	87° - 21°	56° Wide - 6° Tele
Lens	Mechanical ICR	Colour/B&W	Colour/B&W
View angle	AHD / CVBS	AHD/CVBS	AHD/TVI/CVI/CVBS
S/N ratio	2-3DNR, smart IR, BLC, D-WDR, AGC, DPC, Mirror	2DNR, smart IR, BLC, HSBLIC, D-WDR, WHITE-BAL, AGC, DPC, Mirror	D-WDR, 2D 3D NR, DEFOG BLC, WB,DPC, Mirror, LSC
Shutter speed	54 dB	54 dB	> 50 dB
Joystick	No	No	0° +200° / 45° +40°
Functions	AUTO, FLK, 1/25 s - 1/50000 s	AUTO, FLK	AUTO
OSD via CoC	Yes	Yes	No
Pan/Tilt limit	Yes	Yes	Yes
Preset	No	No	220
Patrol/Pattern	No	No	8
Privacy	No	No	No
Control	No	No	RS485 and CsC
In/Out alarm	No	No	No
IR	18 m	35 - 40 m	100 m
IP degree	IP66	IP66	IP 66
Temperature range	-30°C ~ +60°C	-30°C ~ +60°C	-40°C ~ +60°C
Power supply/ consumptions	12 V 400 mA	12 V 650 mA	12 V 1.3 A Max
Dimensions in (mm)	167 x 70 x 84	ø 84 x 231	306 x 184 x 120
Weight (g)	490	690	1300
Notes	Installable with bracket for pole 46917.004 and contacts boxes 46922.030 and 46922.033	Installable with bracket for pole 46917.004 and contacts boxes 46922.030 and 46922.033	

Shooting range

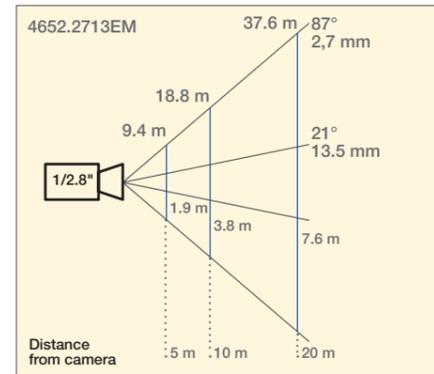
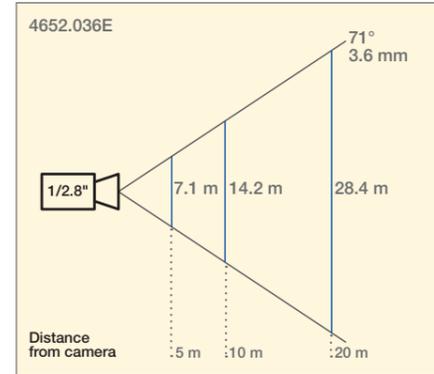


AHD Dome cameras - 5 Mpx



Code	4652.036E	4652.2713EM motorised
Sensor	1/2.8" CMOS	1/2.8" CMOS
Real pixel	2688 (H) x 1944 (V)	2688 (H) x 1944 (V)
Resolution	5 Mpx (2560 x 1936) 20Fps selectable 4 Mpx (2560 x 1440) 25Fps	5 Mpx (2560 x 1936) 20Fps selectable 4 Mpx (2560 x 1440) 25Fps
Video output	AHD / CVBS	AHD / CVBS
Sensitivity	0 Lux (IR LED ON)	0 Lux (IR LED ON)
Day & Night	Mechanical ICR	Mechanical ICR
Lens	3.6 mm	2.7-13.5 mm motorised
View angle	71 °	87 - 21 °
S/N ratio	54 dB	54 dB
Shutter speed	AUTO , FLK , 1/25 s - 1/50000 s	AUTO , FLK , 1/25 s - 1/50000 s
Joystick	Yes	Yes
Functions	2-3DNR, smart IR, BLC, D-WDR, AGC, DPC, Mirror	2-3DNR, smart IR, BLC, D-WDR, AGC, DPC, Mirror
OSD via CoC	Yes	Yes
IR	15 m	20 m
IP degree	IP66	IP66
Temperature range	-30°C ~ +60°C	-30°C ~ +60°C
Power supply/ consumptions	12 V 400 mA	12 V 500 mA
Dimensions in (mm)	ø 94 x 80	ø 120 x 100
Weight (g)	320	610
Notes	Installable with bracket for pole 46917.004 and contacts box 46922.030	Installable with bracket for pole 46917.004 and contacts boxes 46922.032 and 46922.033

Shooting range

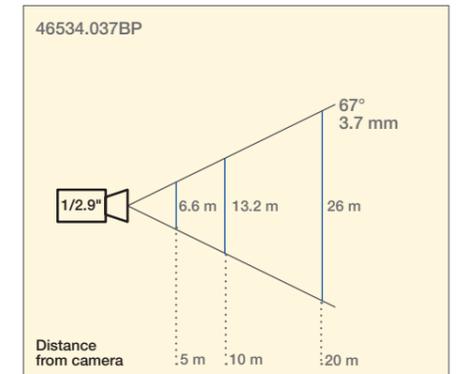
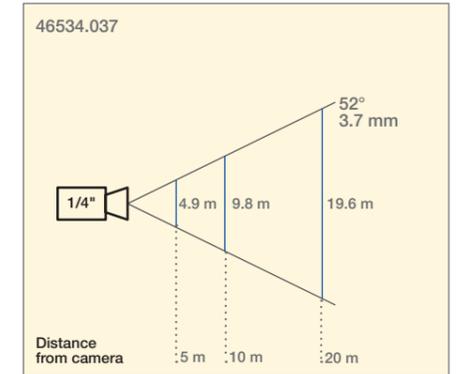


Special cameras



Code	46534.037	46534.037BP
Sensor	1/4" CMOS	1/2.9" CMOS
Real pixel	1296 (H) x 732 (V)	1985 x 1105
Horizontal resolution	720p 25Fps	1080p 25Fps
Video output	AHD	AHD
Sensitivity	1 Lux	0.01 Colour lux / 0.001 B&W lux
Day & Night	Electronic ICR	Colour/B&W
Lens	3.7 mm	3.7 mm
View angle	52 °	67 °
S/N ratio	50 dB	52 dB
Shutter speed (PAL)	AUTO	AUTO, FLK, 1/50 s - 1/100000 s x2-x30"
OSD	No	No
CVBS output	No	No
Joystick	No	No
Functions	AGC, BLC, NR	2D, 3DNR, BLC, HSBL, LSC D-WDR, WB, AGC, DPC, Mirror, Motion, Privacy, Defog
CoC	No	Yes
IR	No	No
IP degree	No	IP55
Temperature range	-10°C ~ +50°C	-30 °C ~ +45°C
Power supply/ consumptions	12 V 100 mA	12 V 95 mA
Dimensions in (mm)	150 x 30 x 60	45 x 39 x 24
Weight (g)	166	74

Shooting range



5 Mpx AHD DVR Lite



Code	46XVR.E04	46XVR.E08	▲ 46XVR.E16
Video compression	Standard H.265 High Profile	Standard H.265 High Profile	Standard H.265 High Profile
Operating mode	Pentaplex	Pentaplex	Pentaplex
Video input	BNC x 4*	BNC x 8*	BNC x 16*
Video output	HDMI: 1920 x 1080, 1280 x 1024, 1024 x 768 VGA: 1920 x 1080, 1280 x 1024, 1024 x 768 BNC: CVBS (MAIN or SPOT)	HDMI: 1920x1080, 1280x1024, 1024x768 VGA: 1920x1080, 1280x1024, 1024x768 BNC: CVBS (MAIN or SPOT)	HDMI: 1920 x 1080, 1280 x 1024, 1024 x 768 VGA: 1920 x 1080, 1280 x 1024, 1024 x 768 BNC: CVBS (MAIN or SPOT)
In/Out audio	RCA x 4 / RCA x 1	RCA x 8 / RCA x 1	RCA x 8 / RCA x 1
AHD/TVI recording resolution	5MP Lite 10fps 4MP Lite/1080p 12fps 1080p Lite/720p/WD1/D1 25fps	5MP Lite 10fps 4MP Lite/1080p 12fps 1080p Lite/720p/WD1/D1 25fps	5MP Lite 10fps 4MP Lite/1080p 12fps 1080p Lite/720p/WD1/D1 25fps
CVI recording resolution	5MP Lite 10fps 4MP Lite/1080p 12fps 1080p Lite/720p/WD1/D1 25fps	5MP Lite 10fps 4MP Lite/1080p 12fps 1080p Lite/720p/WD1/D1 25fps	5MP Lite 10fps 4MP Lite/1080p 12fps 1080p Lite/720p/WD1/D1 25fps
IP connectable cameras to DVR (via external switch)	2 in addition to 4 analog cameras	4 in addition to 8 analog cameras	8 in addition to 16 analog cameras
IP cameras recording resolution	5MP 25 fps	5MP 25 fps	5MP 25 fps
Alarm input/output	4 / 1 (46936.001)	8 / 2 (46936.001)	16 / 4 (46936.001)
OSD camera control via coaxial (CsC)	Yes	Yes	Yes
Network interface	1 RJ45 - 100 Mbps	1 RJ45 - 100 Mbps	1 RJ45 - 1000 Mbps
Hard disk interface	1 SATA (max 10 TB)	1 SATA, 1 E-SATA (max 10 TB)	2 SATA, 1 E-SATA (max 10 TB)
HDD disc	1 TB Professional	1 TB Professional	2 TB Professional
USB interface	2 USB 2.0	2 USB 2.0	2 USB 2.0
RS485 PTZ control	Yes	Yes	Yes
CVM	Yes	Yes	Yes
QR CODE	Yes	Yes	Yes
Smartphone control	Android and iPhone with By-Camera app	Android and iPhone with By-Camera app	Android and iPhone with By-Camera app
Firmware update via OTA	Yes	Yes	Yes
Video analysis	Yes **	Yes **	Yes **
Privacy filter	Yes	Yes	Yes
Interface	mouse, remote control	mouse, remote control	mouse, remote control
Power supply/ consumptions	12V / 15W (HDD not included)	12V / 15W (HDD not included)	12V / 25W (HDD not included)
Operating temperature	-10 / + 50 °C	-10 / + 50 °C	-10 / + 50 °C
Dimensions in (mm)	No	No	No
Weight (g)	300 x 249 x 45	300 x 249 x 45	300 x 268 x 48
Notes	-	-	-
Note	RTSP ***	RTSP ***	RTSP ***

Note: with the new firmware 1.3.8, the VxRs (46XVR.E04, 46XVR.E08 and 46XVR.E16) are also compatible with browsers other than Explorer without the need to install plug-ins (Edge, Firefox, Chrome, Safari and Opera)

* Not compatible with 3 Mpx AHD cameras.

** Matchable with cameras with Intelligent Video analysis function.

*** RTSP: Function for direct connection to By-me Plus home automation system or as additional camera for IP video door entry system.

Espansione allarmi USB



Code	46936.001			
Connection type	USB	USB	USB2.0 x 1	Power supply 5V / 1A
In alarm	16	Operating temperature	- 10°C ~ 50°C	Consumptions ≤ 5W
Out alarm	6	Operating humidity	10% ~ 90%	

Alarms extension compatibility - DVR

Yes	46XVR.E04, 46XVR.E08, 46XVR.E16
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Monitor



Code	46910.H10A.01	46910.H20A	46910.H24A	46910.H32A	46910.43K
Screen	10,1" LED Backlight Monitor	19,5" LED Backlight Monitor	23,6" LED Backlight Monitor	32" LED Backlight Monitor	43" LED Backlight Monitor
Resolution	1280 x 800	1920 x 1080	1920 x 1080	1920 x 1080	3840 x 2160
Profile ratio	16:9	16:9	16:9	16:9	16:9
Brightness (NIT)	330 cd/m ²	250 cd/m ²	250 cd/m ²	400 cd/m ²	390 cd/m ²
Contrast ratio	800:1	500:1	500:1	3000:1	1000:1
View angle	160° x 160°	170° x 160°	170° x 160°	178° x 178°	178° x 178°
Response time	12 ms	5 ms	5 ms	5 ms	6 ms
Video input	HDMI x 1 VGA x 1 BNC x 1 in BNC x 1 out	HDMI x 1 VGA x 1 BNC x 1 in BNC x 1 out	HDMI x 1 VGA x 1 BNC x 1 in BNC x 1 out	HDMI x 1 VGA x 1 BNC x 1 in BNC x 1 out	HDMI v2.0 x 1 HDMI v1.4 x 2 DP x 1
Audio input/output	1	1	1	1	1 uscita
Power supply	12 Vdc 12 W with standard supply unit	12 Vdc 30 W with standard supply unit	12 Vdc 30 W with standard supply unit	100 - 240 Vac 65 W	100 - 240 Vac 75 W
Vesa contact	Yes	Yes	Yes	Yes	Yes
Desktop frame	Yes	Yes	Yes	Yes, in metal	Yes, in metal
Dimensions in (mm)	250 x 175 x 35	485 x 375 x 50	570 x 425 x 50	745 x 495 x 55	970 x 560 x 100
Weight (kg)	1.3	2.8	3.8	10.5	16.8

Videosurveillance system

Passive transducers (AHD)



46862.001.01
Balun video passive transducer for video transmission on twisted pair, BNC connector for connection to the camera or DVR, screw connection for the cable



46862.A01.01
Balun video passive transducer for video transmission on twisted pair, BNC connector for 14 cm of cable for connection to the camera or DVR, screw connection for the cable



46862.B02
Pair of Balun video passive transducers for video transmission on twisted pair, BNC connector for connection to the camera or DVR, one transducer with 14 cm of cable, screw connection for the cable



46862.B01
Pair of Balun video passive transducers (transmitter/receiver) for video transmission on twisted pair, BNC connector for the video, jack for the power supply, cable connection with RJ45 connector, maximum distance attainable with CAT5 cable 50 m, compatible with PAL/NSC/SECAM, built-in electrostatic discharge protection

Connectors and cabling



46904.C01
Male BNC crimp connector for RG59 coaxial cable



46904.S01
Male BNC solder connector for coaxial cable with metal body and cable outlet coil



46904.M01
Male BCN connector for coaxial cable with screw terminals



46905.M01
Plug connector for 12 VDC power supply with screw terminals



46905.M02
Female plug connector for 12 VDC power supply with screw terminals



46904.V01
Male BNC connector for coaxial cable, screw terminals, metal body and cable outlet coil

Power supply units



46902.010
Switching power unit 100 - 240 Vac 50/60 Hz, with 2P Europlug, standard jack 12 Vdc 1 A, max power 12 W



46901.015
Flush mounting switching power unit 100-240 Vac 50/60 Hz, standard jack 12 Vdc 1.5 A, max power 18 W, to be installed in consumer unit, junction boxes or sealed boxes



46ALI.010.BS
Switching power unit 100-240 Vac 50/60 Hz, integrated 2P standard British plug, output with standard 12 Vdc 1 A jack connector

46ALI.010.US
As above, with integrated American standard 2P plug



46ALI.015.AU
100-40 VAC 50/60 Hz switching-mode power supply unit, integrated Australian standard 2P plug, output with 12 VDC 1.5 A standard jack connector

Videosurveillance system

Hard disk for DVR/NVR



46925.010
Professional Hard Disk for video surveillance. 1 TB capacity, consumption 5.6 W

46925.020
As above, with 2 TB, consumption 5.6 W

46925.030
As above, with 3 TB, consumption 5.6 W

Accessories



46264.001.01
Extender Ethernet PoE 10/100 standard IEEE802.3af/at, connection up to 100 m, max 3 devices per sections



46264.002
Passive overvoltage protection for Ethernet line with or without PoE. RJ45 in/out connection



46936.001
USB alarm extension module for NVR and DVR, 16 IN and 6 OUT

Keypad for PTZ cameras and DVR control



46916.005
Keypad for Speed Dome cameras, with 3-axis Pelco D, Pelco P protocol control, supply unit 12 Vdc 2 A. Dimensions: 220x130x90 mm



46916.004
IP keypad for PTZ IP cameras, controls 10 devices simultaneously, 3-axis control, supply unit 12 Vdc



46916.001
RS485 keyboard for PTZ and DVR control, multi-protocol, 8 cascaded devices (in-out) 4-line display, 3-axis control, power supply 12V

Microphone



46964.003
Microphone for audio applications, compatible with the entire range of cameras powered by 12 VDC

Videosurveillance system

Coaxial cables



0002.060.E
75 ohm, ø 3 mm, PVC sheath, CPR Eca, suitable for installation with I Category energy cable (U0 = 400 V), grey - reel of 200 m



0002.063.E
For video system, 2x0,35 mm² + 75 ohm coaxial cable, PVC sheath, CPR Eca, suitable for installation with I Category energy cable (U0 = 400 V), grey - reel of 200 m



0002.163.E
For video system, 2x0,75 mm² + 75 ohm coaxial cable, PVC sheath, CPR Eca, suitable for installation with I Category energy cable (U0 = 400 V), grey - reel of 200 m



46364.E.100
For inner laying, ø 3,3 mm, LSZH sheath, CPR Eca, suitable for installation with I Category energy cable (U0 = 400 V), brown - reel of 100 m



46364.E.500
For external laying, ø 6,3 mm, LSZH sheath, CPR Eca, suitable for installation with I Category energy cable (U0 = 400 V), brown - reel of 500 m

Max distance of recommended transmission

Resolution	Coaxial cable			Network cable		
	RG59	0002.163.E (coaxial with supply)	46364.E.100 (coaxial 3,3 mm, high quality, inner laying)	46364.E.500 (coaxial 6,3 mm high quality, external laying)	Balun Passive (analog range)	Balun Active (analog range)
AHD 720p	400 m	40 m @ 700 mA (limit dues to supply)	300 m	400 m	300 m	Not allowed
AHD 1080p	300 m	40 m @ 700 mA (limit dues to supply)	200 m	300 m	250 m	Not allowed
3 Mpx	200 m	40 m @ 700 mA (limit dues to supply)	150 m	250 m	200 m	Not allowed
4 Mpx	200 m	40 m @ 700 mA (limit dues to supply)	150 m	250 m	100 m	Not allowed
5 Mpx	150 m	40 m @ 700 mA (limit dues to supply)	100 m	200 m	100 m	Not allowed

If these distances are exceeded, there is a progressive degradation of the signal quality.

Brackets and supports for AHD Bullet and Dome cameras



46922.030
Bracket with contacts box for AHD Bullet 46516.213E and 46516.650B cameras, for surface and ceiling mounting



46922.031
Contacts box for AHD Dome varifocal cameras for surface and ceiling mounting



46922.032
Bracket for AHD Dome varifocal cameras for surface mounting



46922.033
Contacts box for AHD cameras, suitable to hold cabling and supply unit, IP66



46917.004
Pole bracket for AHD fixed-focus and varifocal cameras

Brackets and supports for IP Bullet and Dome cameras



46922.040
Bracket with contacts box for IP Dome and Bullet cameras, for surface and ceiling mounting



46922.041
Bracket with contacts box for IP Dome and Bullet cameras, for surface and ceiling mounting



46922.042
Bracket with contacts box for IP Dome varifocal cameras, for surface and ceiling mounting



46922.019
Bracket with contacts box for IP Fisheye cameras, for surface and ceiling mounting



46917.005
Pole bracket, for IP cameras

Videosurveillance system

Compatibility between boxes and IP cameras (Bullet and Dome)

Dome cameras	46917.005 for pole	46922.013 with contacts box	46922.040 with contacts box	46922.041 with contacts box	46922.042 with contacts box	46922.019 with contacts box
	4621.036B	X		X		
	4621.036BS	X		X		
	4621.036E	X		X		
	4621.028FS	X		X		
	4621.2812B	X		X		
	4621.2812EMS	X		X		
	4621.2812FMS	X		X		
	4621.0722DMA	X			X	
	4621.3312EMA	X			X	
	4622.036B			X		
	4622.036BS			X		
	4622.036E			X		
	4622.028FS			X		
	4622.2812B				X	
	4622.2812EMS				X	
	4622.2812FMS				X	
	4624.036EA	X	X			
	4622.3312EMA					X
	4622.2812FMK					X
	46235.180PAN					X
	46234.010E.67					X
	46917.005		X	X	X	X

Videosurveillance system

Compatibility between boxes and AHD cameras (Bullet and Dome)

Dome cameras							
	4651.036B	X		X			X
	4651.036E	X		X			X
	4651.2812B	X		X			X
	4651.2713BLM	X		X			X
	46516.650B	X		X			X
	46516.213E	X		X			X
	4652.028B	X		X			
	4652.036E	X		X			
	4652.2812B	X			X	X	X
	4652.2713EM	X			X	X	X
	46523.036B						
	46917.004		X	X	X		

Videosurveillance system

Video analysis functions

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NVR	Cameras						
46NVR.08P	4621.3312EMA 4621.0722DMA 46235.015B 46235.030D 46235.180PAN	4621.3312EMA 4621.0722DMA 46235.015B 46235.030D 46235.180PAN	4621.3312EMA 4621.0722DMA 46235.015B 46235.030D 46235.180PAN	4621.3312EMA	4621.3312EMA 4621.0722DMA 46235.015B 46235.030D 46235.180PAN	4621.0722DMA 4621.3312EMA	No
46NVR.16							No
46NVR.16P							No
46NVR.32							No
46NVR.64							No
46KIT.2812E							4621.3312EMA 46235.015B 46235.030D 46235.180PAN
46KIT.1634E							4621.0722DMA

DVR	Cameras						
46XVR.E04	4621.3312EMA 4621.0722DMA 46235.015B 46235.030D 46235.180PAN	4621.3312EMA 4621.0722DMA 46235.015B 46235.030D 46235.180PAN	4621.3312EMA 4621.0722DMA 46235.015B 46235.030D 46235.180PAN	4621.3312EMA	No	No	No
46XVR.E08							No
46XVR.E16							No

Software	Cameras						
CVM-Elvox	No	No	No	No	No	No	No
CVM CCTV Manager	4621.3312EMA 4621.0722DMA 46235.015B 46235.030D 46235.180PAN	4621.3312EMA 4621.0722DMA 46235.015B 46235.030D 46235.180PAN	4621.3312EMA 4621.0722DMA 46235.015B 46235.030D 46235.180PAN	4621.3312EMA	4621.3312EMA 4621.0722DMA	4621.0722DMA 4621.3312EMA	4621.3312EMA 4621.0722DMA 46235.015B 46235.030D 46235.180PAN (Richiede NVR 46NVR.16F)

Other	Cameras						
Standalone mode	4621.3312EMA 4621.0722DMA 46235.015B 46235.030D 46235.180PAN	4621.3312EMA 4621.0722DMA 46235.015B 46235.030D 46235.180PAN	4621.3312EMA 4621.0722DMA 46235.015B 46235.030D 46235.180PAN	4621.3312EMA	4621.3312EMA 4621.0722DMA 46235.015B 46235.030D 46235.180PAN	4621.0722DMA 4621.3312EMA	46235.015B 46235.030D 46235.180PAN

IP

NVR with alarm input and cameras compatibility

NVR	Nr. channels	Alarms in/out	Nr. PoE	Video analysis	Fisheye	Camera sensor (resolution)	
						up to 5 Mpx (2592 x 1944)	up to 8 Mpx (3840 x 2160)
46NVR.04PS	4	-	4	Yes	No	Yes	No
46NVR.08P	8	-	8	Yes	No	Yes	Yes
46NVR.08PS	8	-	8	Yes	No	Yes	No
46NVR.16P	16	-	16	Yes	No	Yes	Yes
46NVR.16	16	4/1	-	Yes	No	Yes	Yes
46NVR.32	32	4/1	-	Yes	No	Yes	Yes
46NVR.64	64	8 / 4	-	Yes	Yes	Yes	Yes
46KIT.2812E	8	-	8	Yes	No	Yes	No
46KIT.1634E	16	8 / 4	-	Yes	No	Yes	Yes

AHD

DVR with alarm input and cameras compatibility

DVR	Nr. channels	Alarms in/out	Cameras resolution				
			720p	1080p	3 Mpx	4 Mpx	5 Mpx
46XVR.E04	4	4 / 1	Yes	Yes	No	Yes	Yes
46XVR.E08	8	8 / 2	Yes	Yes	No	Yes	Yes
46XVR.E16	16	16 / 4	Yes	Yes	Yes	Yes	Yes

Cameras with alarm input

Bullet (varifocal)							
Cameras	Sensor (resolution)	Lens	Alarms in/out	Cameras	Sensor (resolution)	Lens	Alarms in/out
4621.0722DMA H.265 - H.264 - MJPEG	4 Mpx (2592 x 1520)	7 - 22 mm	1 / 1	4621.3312EMA H.265 - H.264	5 Mpx (2592 x 1944)	3.3 - 12 mm (motorised)	1 / 1

Fisheye				Cube			
Cameras	Sensor (resolution)	Lens	Alarms in/out	Cameras	Sensor (resolution)	Lens	Alarms in/out
46234.010E.67 H.265 - H.264	5 Mpx (3096x2202) (2160x2160 overview)	1.07 mm	1 / 1	4625.028B H.264 - H.265	2 Mpx (1920 x 1080)	2.8 mm	1 / 1

IP kit - 8 channels



46KIT.2812E

Kit consisting of:

- 1 8-channel NVR, compression H.265, recording 8ch@8Mpx Real Time, integrated 8-port PoE switch, remote control and viewing, remote connection with QR CODE, 1 TB professional HDD, Plug&Play configuration;
- 2 4621.2812EMS: Day & Night colour cameras, 5 Mpx, mechanical IR filter, 2.8-12 mm varifocal lens
- 1 46927.001: sign "Area videosorvegliata"

IP kit - 16 channels



46KIT.1634E

Kit consisting of:

- 1 16-channel NVR, compression H.265, recording 16ch@8Mpx Real Time, remote control and viewing, remote connection with QR CODE, 2 TB professional HDD
- 1 46234.010E.67: Day & Night colour Fisheye camera, 5 Mpx, mechanical IR filter, 1.07 mm fixed focus lens with 360° vision;
- 1 46927.001: sign "Area videosorvegliata"

AHD kit - 4 channels



46554.036B

Kit consisting of:

- 1 46540.F04: 4+1-channel hybrid DVR, AHD/IP/CVBS, compatibility with 1 additional IP camera, 1 TB professional HDD, Pentaplex, H.264, CsC, AHD supported up to 1080p and IP up to 2 Mpx;
- 2 4651.036B: AHD 1080p Bullet cameras, 3.6 mm fixed lens, D&N with IR mechanical filter;
- 2 46902.010: 12 Vdc - 1 A power supply units;
- 1 46927.001: sign "Area videosorvegliata"

AHD kit - 8 channels



46558.2812B

Kit consisting of:

- 1 46540.F08: 8+1-channel hybrid DVR, AHD/IP/CVBS, compatibility with 1 additional IP camera, 1 TB professional HDD, Pentaplex, H.264, CsC, AHD supported up to 1080p and IP up to 2 Mpx;
- 2 4651.2812B: AHD 1080p Bullet cameras, 2.8-12 mm varifocal lens, D&N with IR mechanical filter;
- 2 46902.010: 12 Vdc - 1 A power supply units;
- 1 46927.001: sign "Area videosorvegliata"

Energia Positiva. Insieme

