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CATALOGUE
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ELVOX CCTV

VIDEOSURVEILLANCE SYSTEM

Protecting premises against intrusion from the outside and guaranteeing constant, round-the-clock control: these are the prerequisites on which the Vimar offering of building security products is based.

ELVOX CCTV

VIDEOSURVEILLANCE SYSTEMS THAT ARE INCREASINGLY SOPHISTICATED FOR ULTRA-HIGH RESOLUTION MONITORING.

Greater security means a better quality of life. This is why our videosurveillance systems integrate high-performance products that guarantee comprehensive monitoring even in critical areas. Innovative solutions, designed to offer perfect visibility in minute detail.

Diverse products that deliver the same high precision and reliability.

Our videosurveillance offering incorporates a broad range of solutions to meet any installation requirement. Advanced products designed to offer a practical response to the demands of installers and users, with the quality and high performance that Vimar has always guaranteed.

Video cameras

For the residential, tertiary and industrial sectors, with fixed focus or varifocal lenses and bullet or dome designs. The range of Elvox CCTV cameras combines simplified installation with high performance, delivering maximum efficiency and total security.

DVR / NVR

Various models for recording high-resolution images transmitted from video cameras. Each type offers different performance and signal transmission capabilities: DVRs interface directly with video cameras, whereas NVRs rely on IP technology.

Monitors and accessories

The basic kit is complemented by a wide variety of equipment, including customised devices: from monitors and power supplies to transducers, brackets and cases. The package is of superior quality and made to measure for every application and requirement.

› Two technologies for every type of installation.

To respond precisely to the different needs of the users who install them, the Vimar videosurveillance offering is available with two different technologies, IP and AHD, both offering high performance and a wide range of solutions in terms of resolution, ease of installation, configuration and management.

IP cameras from 2 to 5 Mpx ensure filming even in very low brightness, offering video analysis functions that scan images to detect abnormal behaviour, as well as H.265 video compression to optimise both data storage space in the NVR and data traffic over the network. NVRs are available with up to 64 channels.

The range of AHD video cameras from Full HD to 4 Mpx combines high resolution with the same easy installation as analogue cameras. Innovative video cameras, easily and quickly configurable by OSD. Versatile and complete solutions designed to keep everything under control with the utmost precision.

IP technology.
Full HD, 2K and up to 5 Mpx
for maximum performance.

5 Mpx
(2592 x 1944)

4 Mpx / 2K
(2560 x 1440)

Full HD
(1920 x 1080)

HD
(1280 x 720)
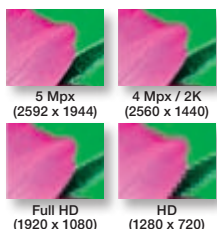
High resolution over long distances.

Images that retain every detail, even in bad weather or at night: megapixel technology guarantees ultra-high resolution, with the option of zooming into images without any loss of detail.

Extra sensitive sensor.

Video cameras equipped with this sensor can clearly distinguish colours in low light conditions. Where a traditional video camera is forced to switch to night vision, supported by IR illuminators, the new 2 Mpx Low Light cameras and 5 Mpx cameras show clear images in which even colours are distinguishable.

Power over Ethernet.

A range offering quick installation using Power over Ethernet (PoE) that allows the use of a single cable to transmit signals and to power the camera.
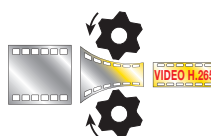
H.265 video compression.

For optimal management of the enormous data stream originating from the video cameras, in terms of data band, bit rate and space required for recording to HDD. The H.265 technology can transmit videos with 50% the bit rate compared to the H.264 standard.

Plug&Play configuration.

Simply by connecting the cameras to the integrated PoE switch, the NVR is capable of automatically configuring the addresses of those cameras and sending the video streams to the screen without requiring any further configuration by the user.

Integration.

IP technology can utilise infrastructures and networks for both new installations and the expansion of existing systems.

Total visibility.

Wide Dynamic Range technology improves images with strong brightness contrasts, ensuring visibility remains high in the event of strong backlighting.

New video cameras and new features: even better performance.

Low Light video cameras.

New 2 Mpx Bullet and Dome cameras for indoor and outdoor applications with 3,6 mm fixed lens and 2,8-12 mm varifocal lens.

They are characterised by high light sensitivity and capture clear images and colours, even in low light conditions. Sensitivity: colour 0,002 Lux; B/W 0,0002 Lux.

Standard video camera

Low Light video camera

Video analysis: new features

In videosurveillance systems, video analysis allows prompt detection of security breaches and suspicious behaviour, to prevent incidents at an early stage. Video analysis automatically generates events and this information can be used to home in on people, cars and other objects detected in video footage, helping to establish what action to take, such as alerting security guards or initiating a recording.

Video analysis offers many advantages, such as:
- **Cost reduction and time saving**: less footage is uploaded to the network, which reduces data traffic and storage space and makes monitoring and searching through footage easier.
- **Increased efficiency**: automatic video monitoring detects security breaches and allows the operator to prevent incidents, rather than react to them after the event.

Video analysis applications

Line crossing
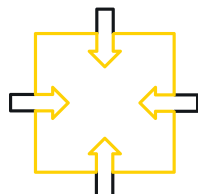
Area intrusion
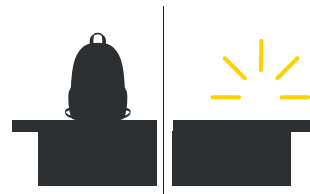
Abandoned or removed object
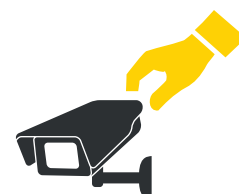
Anomaly (failure or tampering)

The system records information:
- whenever **a person crosses a line or a virtual area** (defined in the graphic interface);
- whenever **an object is removed from** the camera's area of coverage;
- whenever the **camera has been damaged or is malfunctioning**;
all generated events are communicated to the NVR, which starts recording or activates the alarm.

AHD technology.
Ultra-high resolution analogue up to 4 Mpx.

High resolution over long distances.

Cameras with 4 Mpx (2560x1440 pixel), 3 Mpx (2048x1536 pixel), 1080p (1920 x 1080 pixel) and 720p (1280 x 720 pixel) resolution, for transmitting 4 Mpx HD resolution signals with no latency over distances of up to 400 m (720p) using a standard RG59 coaxial cable.

Multi-technology DVRs.

AHD DVRs allow easy expansion of an existing installation while retaining analogue cameras.
The DVRs AHD 4 Mpx and 1080p allow connection of additional IP cameras.

Easy to configure.

The functions are already preset to achieve perfect visibility in all conditions. The 1080p and 720p video cameras have an AHD/CVBS switch fitted on the cable to make installation easier. 4 Mpx, 3 Mpx and 1080p video cameras can be configured via the OSD menu control fitted to the cable, or directly through the 4 Mpx and 1080p DVR interface, by means of the new CsC (Control on Coaxial) function.

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Wide range of lenses.

A complete range of fixed focus and varifocal Bullet and Dome cameras with easy access to zoom and focus controls, as well as new fixed focus 2,8 mm and varifocal 2,7 to 13,5 mm video cameras. The DVRs all have a professional Hard Disk from 1 TB, record in up to 4 Mpx resolution, and can be controlled from home automation systems (e.g. By-me and Well-contact Plus KNX) using the CCTV Controller application.

DVRs with new user interfaces.

The AHD 4 Mpx DVRs come with a new, more modern and practical graphic interface, just like the IP range NVRs.

Total visibility.

WDR and 3DNR, configurable functions guaranteeing perfect visibility and well-defined contours, correcting images in the event of strong backlighting, overexposure or darkness.

WDR OFF

WDR ON
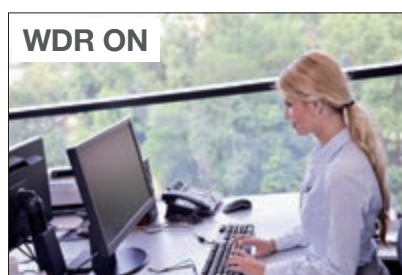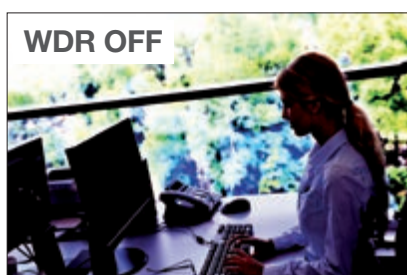
RANGE OF MONITOR. HIGH QUALITY OF VIEWING WITH HD AND FULL HD RESOLUTION.

Professional monitors suitable for intensive use are available in sizes from 19,5" to 23,6" with 16:9 aspect ratio. Versions that support HDMI, VGA and CVBS BNC connections, to use for videosurveillance systems integrating AHD and IP technology.
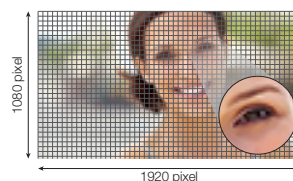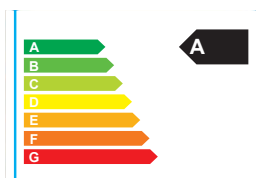
Energy rating.

The new range of monitors have an A-class energy rating.

Full HD resolution.

19,5"/23,6" monitors with Full HD resolution (1920 x 1080 pixel).

THE QUALITY OF OUR SYSTEMS IS BASED ON
A COMMON PLATFORM.

Whether IP or AHD, all Vimar videosurveillance solutions are underpinned by a series of common features that make them highly effective, easy to use, quick to install, flexible and versatile, thus ensuring a better quality of life and better work results.

Plug&Play configuration.

No configuration is required for any of the technologies. Easy installation guaranteed, for every technology.

QR Code.

Immediate remote access from your DVR/NVR via tablet and smartphone. Simply scan the QR Code using the dedicated App and you can access the camera video streaming from anywhere, without having to configure the router.

CVM Software.

One single centralisation software for remotely monitoring and managing up to 256 DVR/NVRs of all four Elvox TVCC technologies

Multimedia Video Touch Screen 10".

All Elvox CCTV technologies are managed from the Multimedia Video Touch Screen used in home automation systems (By-me and Well-contact Plus KNX).

Continuous security.

Every DVR/NVR has a specific hard disk for videosurveillance applications, designed for continuous operation, 24 hours a day, 7 days a week.

SEAMLESS COMPATIBILITY HAS ITS BENEFITS.

The extensive range of Elvox CCTV products integrates perfectly with other Vimar security systems, so that homes are protected against intrusion and unwanted access, safe from environmental damage and responsive to technical alarms - because your safety and security are our highest priority.

› By-alarm - Professional and highly flexible anti-intrusion system.

Thanks to the By-alarm intrusion detection alarm system, protecting spaces against intrusion and developing a solution that mirrors everyone's real protection needs is easy and intuitive. Available in the standalone version, and easily expandable with a vast range of devices. Its high quality is assured by CEI EN 50131 certification (Grade 2).

By-alarm Manager app

› ELVOX video door entry systems, in tune with the future

Advanced solutions based on innovative technology that ensure security and clarity, simultaneously combining user-friendly operation with a system that is simple to install. Not to mention a sharp focus on design and typically stylish Italian production, which provides essential added value. With Due Fili Plus technology, there is scope for the creation of systems handling up to 484 entrance panels, 6400 indoor units and 128 porter switchboards. Audio and video signals are reproduced with ultra-high fidelity up to a distance of 1200 metres between the entrance panel and indoor station.

IP technology enables it to go beyond the limits of traditional video door entry systems. Performance is enhanced, and audio and video signal quality is guaranteed and protected, whatever the size of the building complex. For efficient, high-performance communication.

ELVOX Automations - Motors for gates and shutters

An extensive range of automation systems for sliding or swing gates, up-and-over doors, road barriers, rolling doors and roller shutters.

Elvox automatic gate systems have been designed to give the best in terms of quality, performance and safety. All products comply with European safety standards and further benefit from the use of materials that guarantee high performance levels and durability, a design that enhances the product's aesthetic appeal and the application of precise and reliable mechanics. For truly perfect access control.

By-me automation for the home and small tertiary sectors

By-me is automation according to Vimar: a range of smart, intercommunicating products designed to improve everyday life, reduce power consumption and perform complex operations with minimal user intervention.

Inside an automated building, the various functions communicate with each other in a comprehensive and continuous way, offering countless possibilities to facilitate both large and small daily actions, while ensuring even greater energy efficiency, safety, comfort and control.

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General features

CVM control software

CVM-ELVOX (Central Video Management) software is an advanced application for centralised monitoring and management of DVRs and NVRs.

This software makes it possible to monitor up to 256 DVR/NVR machines over the local network or Internet, even with mixed technology (AHD-IP), via an interface that is fully configurable according to the user's needs.

The user interface provides access to all DVR/NVR configurations:
- enable and adjust motion detection features;
- manage time settings and recording modes;
- export footage;
- manage user permissions etc.;
- alarm notification system with pop-up windows showing footage from the camera affected;
- flexible choice of layouts;
- use graphic maps to personalise and facilitate the effective monitoring of very large premises, or the centralised monitoring of remotely dispersed sites by a single operator.

Operating system requirements:
Windows 7 (32bit/64bit, SP1 support), DirectX 11.0 or later
Windows 8 (32bit/64bit), DirectX 11.0 or later

Hardware requirements:

CPU	Intel Core Duo, 2,6 GHz or higher
Memory	2 GB or more
HDD	250 GB or more
Graphics card	Dedicated graphics card 512 MB graphics memory or higher

Installation examples

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Function

Multi-window management: the multi-monitor client system allows multiple windows to be displayed at the same time, increasing the number of viewable cameras and enabling simultaneous management of maps, video playback and settings.

Live viewing: display up to 100 video cameras from multiple DVRs/NVRs in a single window, control PTZ via the LIVE interface by means of manual movements or adjusting preset positions.
Video cameras can be organised into logical groups for easier management (e.g. "Perimeter cameras", "Goods unloading area", etc.).
The image quality of the primary and secondary stream can be changed to adapt to bandwidth requirements.
The software can be programmed to display individual cameras or groups of cameras cyclically without the need for operator intervention.
If an alarm event occurs, a full screen pop-up will appear with images of the video camera that triggered the alarm.
Images can also be captured using the "snapshot" function during live video playback.

Two-way audio: the operator can open a speak/listen audio channel with the DVR/NVR over the IP connection, with independent activation of transmission and reception. This function can be used to interact with a local operator or broadcast messages over a PA system by activating a connection with the audio input and output of the DVR/NVR.

Remote control of DVR/NVR digital outputs and inputs: the graphic interface can be used to remotely activate - both automatically and manually - the digital outputs of the DVR to remotely operate devices, such as turning on lights or opening access points.

Device management: add and remove devices via the CVM application, either manually or by automatically searching for devices connected to the internal network. Modify device characteristics (such as network settings for all devices, image settings for video cameras, and recording and motion detection alarm settings for DVRs/NVRs), either centrally using the CVM dashboard or by adjusting the internal configuration parameters of the device itself. It is also possible to create and modify the parameters of camera groups to provide timed panoramic playback of selected cameras, all within the same window.

Graphic maps: insert graphic maps specifying the positions of cameras and sensors controlled by the DVR, in order to clearly identify the field of coverage. Alarms are indicated by the flashing of the corresponding camera/sensor icon and a pop-up window showing a live image of the event. In addition to zooming in on the map, a hierarchical view of multiple maps can be created to obtain more detail.

Footage recording: digitised video streams from each source can be recorded to a local or network disk. Recording is programmable and can be scheduled to perform centralised backup of multiple devices, thereby allowing a redundant copy to be created for security purposes.

Footage playback: simultaneous playback of up to 25 channels in sync with each other, including from multiple devices. Footage searches can be performed by time period or by retrieving the alarm event (motion detection or alarm input) from the logs list. To facilitate searching for events, alarms on the video stream are colour coded: green for data from manual recordings, yellow for footage recorded following a movement event, blue for scheduled recordings, and red for recordings triggered by an outdoor sensor.

Manage multiple accounts: create unlimited user profiles in the system, each with customised access permissions (show or hide certain devices, graphic maps, lock access to recordings or to PTZ controls, etc.). In addition, user operations are logged under the user's account name (live view, PTZ control) for a configurable period.

Main software screen

Live viewing function

Graphic maps function

Device manager function

Footage recording function

Footage playback function

Fixed outdoor 2 and 4 Mpx Bullet IP cameras

Shooting range

Models	▲ 46212.036D	46212.036B
Sensor	1/3" CMOS progressive scan, 4 Mpx	1/2,8" CMOS progressive scan, 2 Mpx
Resolution	2592 × 1520	1920 x 1080
Sensitivity	0.05 lux @F1.2, AGC ON; 0 lux (IR led ON)	0,1 Lux@F1,2 (AGC ON); 0 LUX (IR LED ON)
Video compression	H264 - H265	H.264
Day & night	ICR	ICR
Lens	3,6 mm @ F1.6 view angle: 76°	3,6 mm @F1,6 view angle: 79°
Main frame rate	20 Fps (2592 X 1520) 20 Fps (2560 X 1440) 30 Fps (2304 X 1296) 30 Fps (1920 X 1080) 30 Fps (1280X 720)	30 Fps (1920 x 1080) 30 Fps (1280 x 720)
Secondary frame rate	30 Fps (1280X 720) 30 Fps (D1) 30 Fps (CIF) 30 Fps (480 X 240)	30 Fps (D1) 30 Fps (CIF) 30 Fps (480 x 240)
Bit Rate	128 kbps ~ 8 Mbs	256 kbps ~ 5 Mbs
SD card	No	No
Audio in/out	0/0	0/0
In/out alarm	0/0	0/0
CVBS output video	No	No
Function	WDR, smart IR, ROI, 3DNR, Mask, Motion, Defog	WDR, Smart-IR, ROI, 3DNR, Mask, Motion
Compatibility	ONVIF	ONVIF
IR range	20 - 30 m	20 - 30 m
Protection rating IP	IP66	IP66
Operating temperature	-10° C / + 50°C	-10° C / +50° C
Power supply / consumption	12 Vdc / PoE - 450mA 5,4 W	12 Vdc / PoE 420 mA 5 W
Dimensions (mm)	87 x 87 x 219	87 x 87 x 219
Weight (g)	635	635
Notes	RTSP*, multi-stream, Bracket included. Installable with 46922.014 contact box	RTSP*, multi-stream. Bracket included. Installable with 46922.014 contact box

46212.036B

79°
3,6 mm

1/2,8" 7,8 m 15,6 m 31,1 m

5 m 10 m 20 m

Distance from camera

46212.036D

76°
3,6 mm

1/3" 7,4 m 14,7 m 29,4 m

5 m 10 m 20 m

Distance from camera

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

▲ New article   Δ Available while stocks last   ***** Not to be used in European Countries

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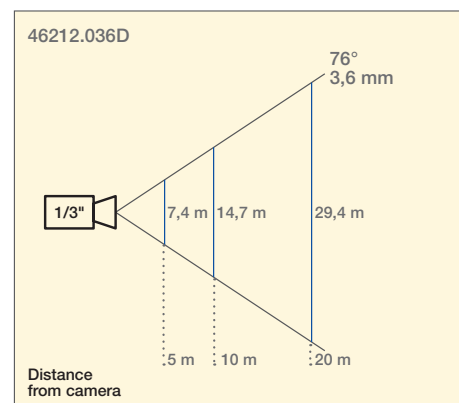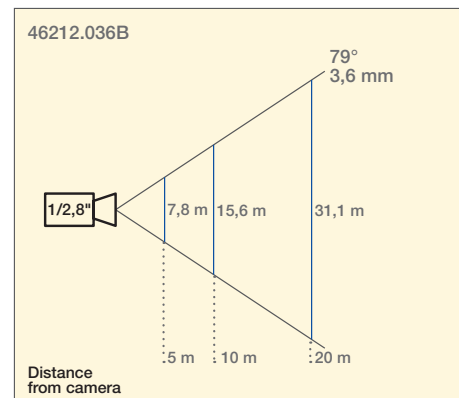
Varifocal outdoor 2 and 3 Mpx Bullet IP cameras

Shooting range

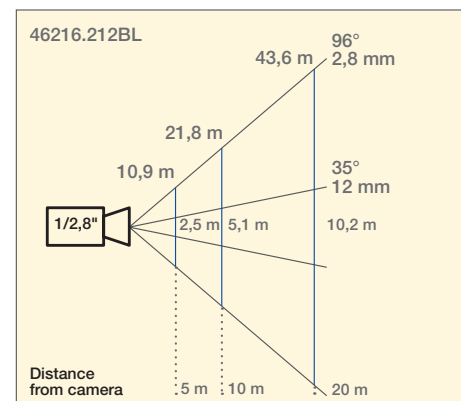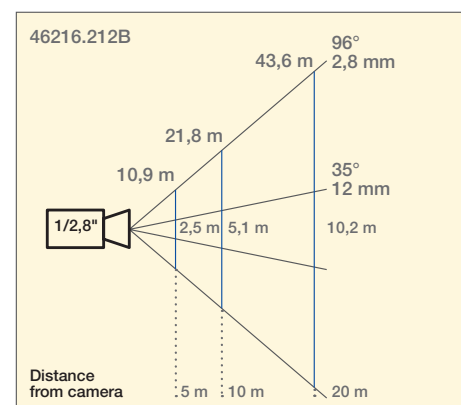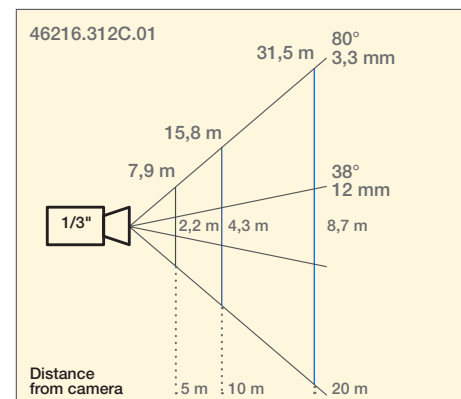| Models	△ 46216.312C.01	46216.212B	▲ 46216.212BL
Sensor	1/3" CMOS progressive scan, 3 Mpx	1/2,8" CMOS progressive scan, 2 Mpx	1/2,8" CMOS high sensibility sensor, 2 Mpx
Resolution	2304 x 1296	1920 x 1080	1920 X 1080
Sensitivity	0,05 Lux@F1,2 (AGC ON); 0 LUX (IR LED ON)	0,1 Lux@F1,2 (AGC ON); 0 LUX (IR LED ON)	Color 0.002 lux @F1.2, AGC ON B&W 0.0002 Lux @ F1.2, AGC ON
Video compression	H.264 - H.265	H.264	H264-MJPEG
Day & night	ICR	ICR	ICR
Lens	3,3 - 12 mm @F1,4 view angle: 80° - 38°	2,8 - 12 mm @F1,4 view angle: 96° - 35°	2,8-12 mm
Main frame rate	30 Fps (2304 x 1296) 30 Fps (2048 x 1536) 30 Fps (1920 x 1080) 30 Fps (1280 x 720)	30 Fps (1920 x 1080) 30 Fps (1280 x 720)	30 Fps (1920X 1080) (1280x720)
Secondary frame rate	30 Fps (1280 x 720) 30 Fps (D1) 30 Fps (CIF) 30 Fps (480 x 240)	30 Fps (D1) 30 Fps (CIF) 30 Fps (480 x 240)	30 Fps (704x576) (480x240) (352x288)
Bit Rate	64 kbps ~ 8 Mbs	256 kbps ~ 5 Mbs	128 kbps ~ 6 Mbs
SD card	Yes, not included (128 GB max)	No	No
Audio in/out	1/1	0/0	0/0
In/out alarm	1/1	0/0	0/0
CVBS output video	Yes	No	No
Function	WDR, Smart-IR, ROI, 3DNR, Mask, Motion	WDR, Smart-IR, ROI, 3DNR, Mask, Motion	D-WDR, 3D-DNR, ROI Privacy Mask, Motion
Compatibility	ONVIF	ONVIF	ONVIF
IR	30 - 50 m	20 - 30 m	20 - 30 m
Protection rating IP	IP66	IP66	IP66
Operating temperature	-10° C / +50° C	-10° C / +50° C	-10° C / + 50° C
Power supply /consumption	12 Vdc / PoE 550 mA, 6,6 W	12 Vdc / PoE 420 mA, 5 W	12 Vdc / PoE 500 mA, 6 W
Dimensions (mm)	109 x 109 x 264	87 x 87 x 219	87 x 87 x 219
Weight (g)	1115	635	635
Notes	RTSP*, multi-stream. Bracket included. Installable with 46922.013 contact box	RTSP*, multi-stream. Bracket included. Installable with 46922.014 contact box	RTSP*, multi-stream. Bracket included. Installable with 46922.014 contact box

46216.312C.01

	31,5 m	80° 3,3 mm
	15,8 m	
7,9 m		38° 12 mm
1/3"	2,2 m 4,3 m	8,7 m

Distance from camera: 5 m · 10 m · 20 m

46216.212B

	43,6 m	96° 2,8 mm
	21,8 m	
10,9 m		35° 12 mm
1/2,8"	2,5 m 5,1 m	10,2 m

Distance from camera: 5 m · 10 m · 20 m

46216.212BL

	43,6 m	96° 2,8 mm
	21,8 m	
10,9 m		35° 12 mm
1/2,8"	2,5 m 5,1 m	10,2 m

Distance from camera: 5 m · 10 m · 20 m

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

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Varifocal outdoor 4 Mpx Bullet IP cameras

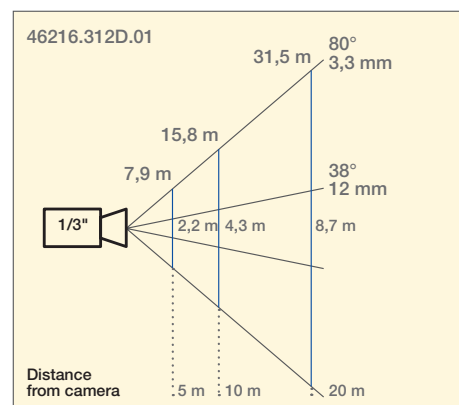| Models	Δ **46216.312DM** motorised	Δ **46216.312D.01**
Sensor	1/3" CMOS progressive scan, 4 Mpx	1/3" CMOS progressive scan, 4 Mpx
Resolution	2592 x 1520	2592 x 1520
Sensitivity	0,05 Lux@F1,2 (AGC ON); 0 LUX (IR LED ON)	0,05 Lux@F1,2 (AGC ON); 0 LUX (IR LED ON)
Video compression	H.264 - H.265	H.264 - H.265
Day & night	ICR	ICR
Lens	Motorised 3,3 - 12 mm @F1,4 view angle: 80° - 38°	3,3 - 12 mm @F1,4 view angle: 80° - 38°
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 (2592 x 1520) 30 Fps (2560 x 1440) 30 Fps (2304 x 1296) 30 Fps (1920 x 1080)
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)
Bit Rate	128 kbps / 9 Mbs	128 kbps / 9 Mbs
SD card	Yes, not included (128 GB max)	Yes, not included (128 GB max)
Audio in/out	1/1	1/1
In/out alarm	1/1	1/1
CVBS output video	Yes	Yes
Function	Real WDR, Smart-IR, ROI, 3DNR, Mask, Motion, HLC, BLC, DeFog	Real WDR, Smart-IR, ROI, 3DNR, Mask, Motion, HLC, BLC, DeFog
Compatibility	ONVIF	ONVIF
IR	30 - 50 m	30 - 50 m
Protection rating IP	IP66	IP66
Operating temperature	-10° C / +50° C	-10° C / +50° C
Power supply / consumption	12 Vdc / PoE 550 mA 6,6 W	12 Vdc / PoE 550 mA 6,6 W
Dimensions (mm)	109 x 109 x 264	109 x 109 x 264
Weight (g)	1115	1115
Notes	RTSP*, multi-stream. Bracket included. Installable with 46922.013 contact box	RTSP*, multi-stream. Bracket included. Installable with 46922.013 contact box

Shooting range

46216.312DM

Distance from camera

46216.312D.01

Distance from camera

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

▲ New article   Δ Available while stocks last   * Not to be used in European Countries

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Varifocal outdoor 4 Mpx Bullet IP cameras

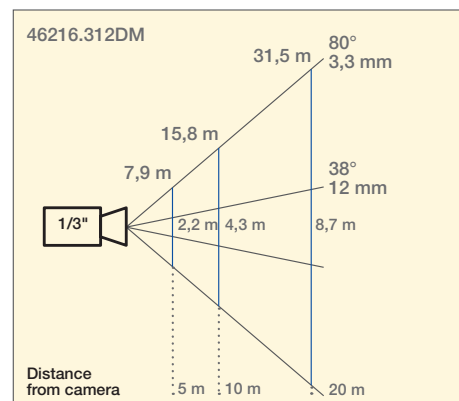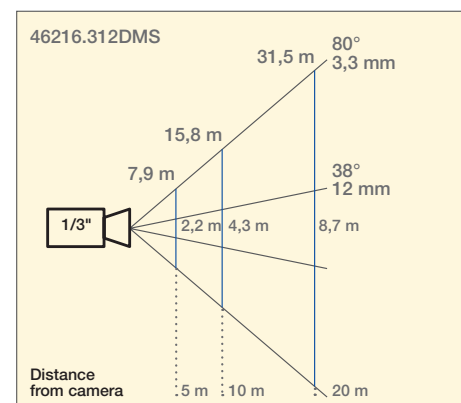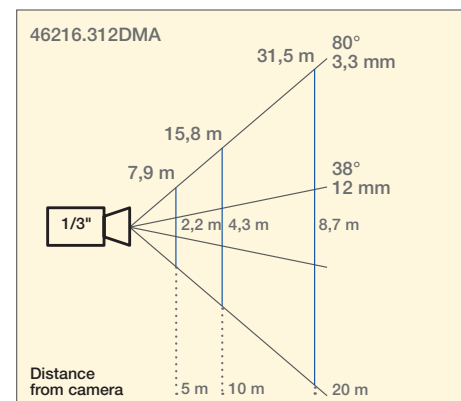| Models	▲ 46216.312DMA motorized	▲ 46216.312DMS motorized
Sensor	1/3" CMOS progressive scan, 4 Mpx	1/3" CMOS progressive scan, 4 Mpx
Resolution	2592 X 1520	2592 × 1520
Sensitivity	0.05 lux@F1.2, AGC ON; 0 Lux (IR led ON)	0.05 lux @F1.2, AGC ON; 0 lux (IR led ON)
Video compression	H264 -H265	H264 - H265
Day & night	ICR	ICR
Lens	Motorised 3,3 - 12 mm @F1.4 view angle: 80° - 38°	Motorised 3.3 ~ 12 mm @ F1.4 view angle: 80° ~ 38°
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 (1280X 720)	20 Fps (2592 X 1520) 20 Fps (2560 X 1440) 30 Fps (2304 X 1296) 30 Fps (1920 X 1080) 30 Fps (1280X 720)
Secondary frame rate	30 Fps (1280X 720) 30 Fps (D1) 30 Fps (CIF) 30 Fps (480 X 240)	30 Fps (1280X 720) 30 Fps (D1) 30 Fps (CIF) 30 Fps (480 X 240)
Bit Rate	128 kbps / 9 Mbs	128 kbps / 8 Mbs
SD card	Yes, not included (128GB max)	No
Audio in/out	1/1	0/0
In/out alarm	1/1	0/0
CVBS output video	Si	No
Function	**Intelligent Video Analisys**, Real WDR, Smart IR, ROI, 3DNR, Mask, Motion, HLC, BLC, Defog	WDR, Smart IR, ROI, 3DNR, Mask, Motion, Defog
Compatibility	ONVIF	ONVIF
IR	30 - 50 m	20 - 30 m
Protection rating IP	IP66	IP66
Operating temperature	-10° C / + 50°C	-10° C / + 50° C
Power supply / consumption	12 Vdc / PoE - 650 mA 7,8 W	12 Vdc / PoE - 660 mA 8 W
Dimensions (mm)	109 x 109 x 264	87 x 87 x 219
Weight (g)	1115	635
Notes	RTSP*, multi-stream. Bracket included. Installable with 46922.013 contact box	RTSP*, multi-stream, Bracket included. Installable with 46922.014 contact box

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

Shooting range

46216.312DMA

46216.312DMS

Videosurveillance system

Varifocal outdoor 5 Mpx Bullet IP cameras

H.265 NEW TECHNOLOGY

Models	**46216.310E**
Sensor	High sensibility sensor, 1/1,8" Sony CMOS progressive scan, 5 Mpx
Resolution	2592 x 1944
Sensitivity	Colors: 0,01 Lux@F1,2, AGC ON; 0 Lux (IR LED ON)
Video compression	H.264 - H.265
Day & night	ICR
Lens	3,6 - 10 mm @F1,4 view angle: 84° - 37°
Main frame rate	30 Fps (2592 x 1944) 30 Fps (2560 x 1440) 30 Fps (1920 x 1080)
Secondary frame rate	30 Fps (1280 x 720) 30 Fps (D1) 30 Fps (CIF) 30 Fps (480 x 240)
Bit Rate	128 kbps / 9 Mbs
SD card	Yes, not included (64 GB max)
Audio in/out	1/1
In/out alarm	1/1
CVBS output video	Yes
Function	WDR, Smart IR, ROI, 3DNR, Mask, Motion
Compatibility	ONVIF
IR	30 - 50 m
Protection rating IP	IP66
Operating temperature	-10° C / +50° C
Power supply /consumption	12 Vdc / PoE - 600 mA 7,2 W
Dimensions (mm)	109 x 109 x 264
Weight (g)	1115
Notes	RTSP*, multi-stream. Bracket included. Installable with 46922.013 contact box

Shooting range

46216.310E

34,4 m — 84° / 3,6 mm
17,2 m
8,6 m — 37° / 10
1/1,8"
3,1 m 6,2 m   12,4 m
Distance from camera
5 m 10 m   20 m

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

▲ New article   Δ Available while stocks last   * Not to be used in European Countries

ELVOX CCTV
Videosurveillance system

VIMAR

IP

Fixed outdoor 2 Mpx Dome IP cameras

Shooting range

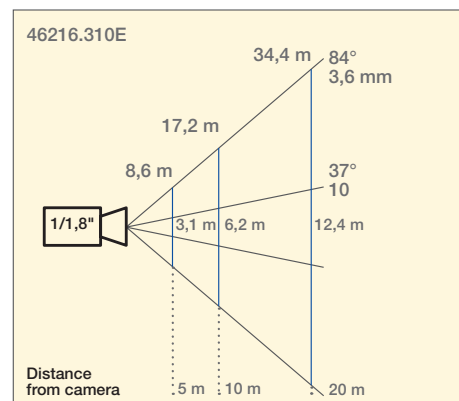| Models	**46222.036B**	▲ **46222.036BL**
Sensor	1/2,8" CMOS progressive scan, 2 Mpx	1/2,8" CMOS high sensibility sensor, 2 Mpx
Resolution	1920 x 1080	1920 X 1080
Sensitivity	0,1 Lux@F1,2 (AGC ON); 0 LUX (IR LED ON)	Colors: 0.002 lux @F1.2, AGC ON B&W 0.0002 Lux @ F1.2, AGC ON
Video compression	H.264	H264-MJPEG
Day & night	ICR	ICR
Lens	3,6 mm @F1,6 view angle: 79°	3,6 mm @F1,6 view angle: 79°
Main frame rate	30 Fps (1920 x 1080) 30 Fps (1280 x 720)	30 Fps (1920X 1080) (1280x720)
Secondary frame rate	30 Fps (D1) 30 Fps (CIF) 30 Fps (480 x 240)	30 Fps (704x576) (480x240) (352x288)
Bit Rate	256 kbps / 5 Mbs	128 kbps / 6 Mbs
SD card	No	No
Audio in/out	0/0	0/0
In/out alarm	0/0	0/0
CVBS output video	No	No
Function	WDR, Smart-IR, ROI, 3DNR, Mask, Motion	D-WDR, 3D-DNR, ROI, Privacy Mask, Motion
Compatibility	ONVIF	ONVIF
IR	10 - 20 m	10 - 20 m
Protection rating IP/IK	IP66	IP66
Operating temperature	-10° C / +50° C	-10° C / +50° C
Power supply / consumption	12 Vdc / PoE - 350 mA, 4,2 W	12 Vdc / PoE - 420 mA, 5 W
Dimensions (mm)	ø 108 x 95	ø 108 x 95
Weight (g)	405	405
Notes	RTSP*, multi-stream. Installable with 46922.014 contact box	RTSP*, multi-stream. Installable with 46922.014 contact box

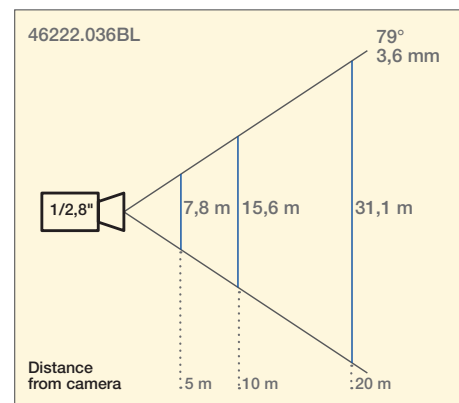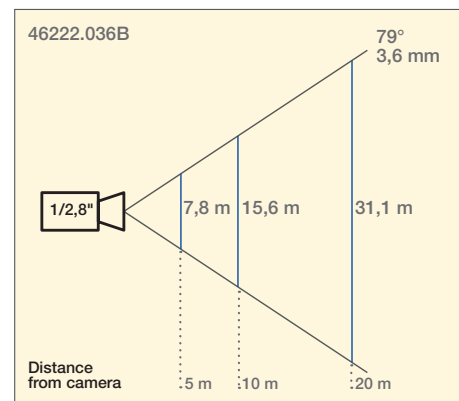*** RTSP:** function for connecting directly to the By-me home automation system without using NVR.

VIMAR

Fixed outdoor 4 Mpx Dome IP cameras

Shooting range

46222.036D				76° 3,6 mm
1/3"	7,4 m	14,7 m		29,4 m
Distance from camera	:5 m	:10 m		:20 m

Models	▲ 46222.036D
Sensor	1/3" CMOS progressive scan, 4 Mpx
Resolution	2592 × 1520
Sensitivity	0.05 lux @F1.2, AGC ON; 0 lux (IR led ON)
Video compression	H.264 - H.265
Day & night	ICR
Lens	3,6 mm @ F1.6 view angle: 76°
Main frame rate	20 Fps (2592 X 1520) 20 Fps (2560 X 1440) 30 Fps (2304 X 1296) 30 Fps (1920 X 1080) 30 Fps (1280X 720)
Secondary frame rate	30 Fps (1280X 720) 30 Fps (D1) 30 Fps (CIF) 30 Fps (480 X 240)
Bit Rate	128 kbps / 8 Mbps
SD card	No
Audio in/out	0/0
In/out alarm	0/0
CVBS output video	No
Function	WDR, smart IR, ROI, 3DNR, Mask, Motion, Defog
Compatibility	ONVIF
IR	10 - 20 m
Protection rating IP/IK	IP 66
Operating temperature	-10° C / +50°C
Power supply / consumption	12 Vdc / PoE - 350 mA 4,2 W
Dimensions (mm)	ø 108 x 95 mm
Weight (g)	405
Notes	RTSP*, multi-stream. Bracket included. Installable with 46922.014 contact box

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

▲ New article   Δ Available while stocks last   * Not to be used in European Countries

Varifocal outdoor 2 Mpx Dome IP cameras

Models	46226.212B
Sensor	1/2,8" CMOS progressive scan, 2 Mpx
Resolution	1920 x 1080
Sensitivity	0,1 Lux@F1,2 (AGC ON); 0 LUX (IR LED ON)
Video compression	H.264
Day & night	ICR
Lens	2,8 - 12 mm @F1,4 view angle: 96° - 35°
Main frame rate	30 Fps (1920 x 1080) 30 Fps (1280 x 720)
Secondary frame rate	30 Fps (D1) 30 Fps (CIF) 30 Fps (480 x 240)
Bit Rate	256 kbps / 5 Mbps
SD card	No
Audio in/out	0/0
In/out alarm	0/0
CVBS output video	No
Function	WDR, Smart-IR, ROI, 3DNR, Mask, Motion
Compatibility	ONVIF
IR	20 - 30 m
Protection rating IP/IK	IP66
Operating temperature	-10° C / +50° C
Power supply / consumption	12 Vdc / PoE - 420 mA 5 W
Dimensions (mm)	ø 130 x 115 mm
Weight (g)	710
Notes	RTSP*, multi-stream. Installable with 46922.014 contact box

Shooting range

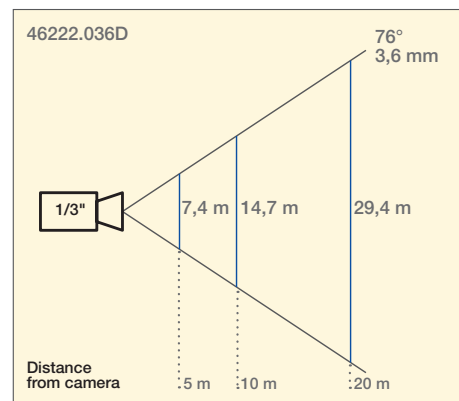| 46226.212B		
	43,6 m	96° 2,8 mm
21,8 m		
10,9 m		35° 12 mm
1/2,8"	2,5 m 5,1 m	10,2 m
Distance from camera	5 m 10 m	20 m

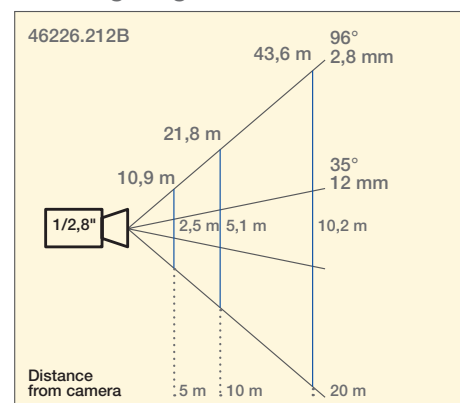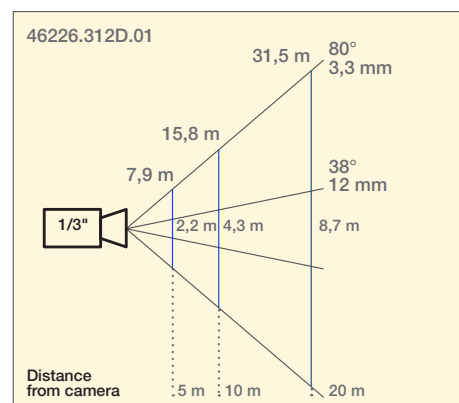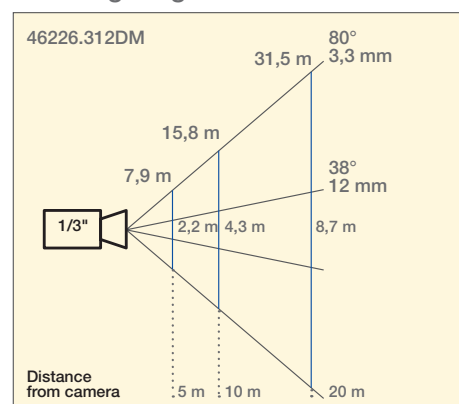* **RTSP:** function for connecting directly to the By-me home automation system without using NVR.

Varifocal outdoor 4 Mpx Dome IP cameras

H.265 NEW TECHNOLOGY

H.265 NEW TECHNOLOGY

Models	Δ **46226.312DM** motorised	Δ **46226.312D.01**
Sensor	1/3" CMOS progressive scan, 4 Mpx	1/3" CMOS progressive scan, 4 Mpx
Resolution	2592 x 1520	2592 x 1520
Sensitivity	0,05 Lux@F1,2 (AGC ON); 0 LUX (IR LED ON)	0,05 Lux@F1,2 (AGC ON); 0 LUX (IR LED ON)
Video compression	H.264 - H.265	H.264 - H.265
Day & night	ICR	ICR
Lens	Motorised 3,3 - 12 mm @F1,4 view angle: 80° - 38°	3,3 - 12 mm @F1,4 view angle: 80° - 38°
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 (2592 x 1520) 30 Fps (2560 x 1440) 30 Fps (2304 x 1296) 30 Fps (1920 x 1080)
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)
Bit Rate	128 kbps / 9 Mbps	128 kbps / 9 Mbps
SD card	Yes, not included (128 GB max)	Yes, not included (128 GB max)
Audio in/out	1/1	1/1
In/out alarm	1/1	1/1
CVBS output video	Yes	Yes
Function	Real WDR, Smart-IR, ROI, 3DNR, Mask, Motion, HLC, BLC, DeFog	Real WDR, Smart-IR, ROI, 3DNR, Mask, Motion, HLC, BLC, DeFog
Compatibility	ONVIF	ONVIF
IR	20 - 30 m	20 - 30 m
Protection rating IP/IK	IP66 / IK10	IP66 / IK10
Operating temperature	-10° C / +50° C	-10° C / +50° C
Power supply / consumption	12 Vdc / PoE - 500 mA 6 W	12 Vdc / PoE - 500 mA 6 W
Dimensions (mm)	ø 150 x 114	ø 150 x 114
Weight (g)	1260	1260
Notes	RTSP*, multi-stream. Installable with 46922.012 contact box	RTSP*, multi-stream. Installable with 46922.012 contact box

Shooting range

46226.312DM

31,5 m — 80° 3,3 mm

15,8 m

7,9 m — 38° 12 mm

1/3" — 2,2 m 4,3 m — 8,7 m

Distance from camera — 5 m — 10 m — 20 m

46226.312D.01

31,5 m — 80° 3,3 mm

15,8 m

7,9 m — 38° 12 mm

1/3" — 2,2 m 4,3 m — 8,7 m

Distance from camera — 5 m — 10 m — 20 m

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

▲ New article   Δ Available while stocks last   * Not to be used in European Countries

Varifocal outdoor 4 Mpx Dome IP cameras

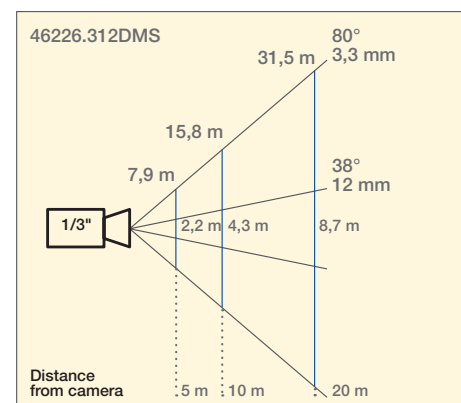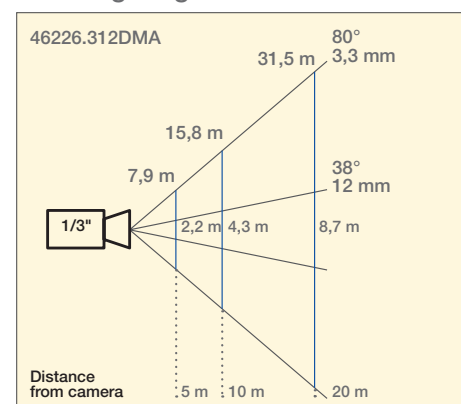| Models	▲ 46226.312DMA motorised	▲ 46226.312DMS motorised
Sensor	1/3" CMOS progressive scan, 4 Mpx	1/3" CMOS progressive scan, 4 Mpx
Resolution	2592 x 1520	2592 × 1520
Sensitivity	0.05 lux@F1.2, AGC ON; 0 Lux (IR led ON)	0.05 lux @F1.2, AGC ON; 0 lux (IR led ON)
Video compression	H.264 - H.265	H.264 - H.265
Day & night	ICR	ICR
Lens	Motorised 3,3 - 12 mm @F1.4 view angle: 80° - 38°	Motorised 3.3 ~ 12 mm @ F1.4 view angle: 80° - 38°
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 (1280X 720)	20 Fps (2592 X 1520) 20 Fps (2560 X 1440) 30 Fps (2304 X 1296) 30 Fps (1920 X 1080) 30 Fps (1280X 720)
Secondary frame rate	30 Fps (1280X 720) 30 Fps (D1) 30 Fps (CIF) 30 Fps (480 X 240)	30 Fps (1280X 720) 30 Fps (D1) 30 Fps (CIF) 30 Fps (480 X 240)
Bit Rate	128 kbps / 9 Mbps	128 kbps / 8 Mbps
SD card	Yes, not included (128 GB max)	No
Audio in/out	1/1	0/0
In/out alarm	1/1	0/0
CVBS output video	Si	No
Function	Intelligent Video Analisys, Real WDR, Smart IR, ROI, 3DNR, Mask, Motion, HLC, BLC, Defog	WDR, Smart IR, ROI, 3DNR, Mask, Motion, Defog
Compatibility	ONVIF	ONVIF
IR	20 - 30 m	20 - 30 m
Protection rating IP/IK	IP66 / IK10	IP66
Operating temperature	-10° C / + 50°C	-10° C / + 50°C
Power supply / consumption	12 Vdc / PoE - 620 mA 7,5 W	12 Vdc / PoE - 640 mA 7,7 W
Dimensions (mm)	ø 150 x 114	ø 130 x 115
Weight (g)	1260	710
Notes	RTSP*, multi-stream. Installable with 46922.012 contact box	RTSP*, multi-stream. Installable with 46922.014contact box

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

Shooting range

46226.312DMA

46226.312DMS

Varifocal outdoor 5 Mpx Dome IP cameras

H.265 NEW TECHNOLOGY

Shooting range

Models	46226.310E
Sensor	High sensibility sensor, 1/1,8" Sony CMOS progressive scan, 5 Mpx
Resolution	2592 x 1944
Sensitivity	Colors: 0,01 Lux@F1,2, AGC ON; 0 Lux (IR LED ON)
Video compression	H.264 - H.265
Day & night	ICR
Lens	3,6 - 10 mm @F1,4 view angle: 84° - 37°
Main frame rate	30 Fps (2592 x 1944) 30 Fps (2560 x 1440) 30 Fps (1920 x 1080)
Secondary frame rate	30 Fps (1280 x 720) 30 Fps (D1) 30 Fps (CIF) 30 Fps (480 x 240)
Bit Rate	128 kbps / 9 Mbps
SD card	Yes, not included (64 GB max)
Audio in/out	1/1
In/out alarm	1/1
CVBS output video	Yes
Function	WDR, Smart IR, ROI, 3DNR, Mask, Motion
Compatibility	ONVIF
IR	20 - 30 m
Protection rating IP/IK	IP66 / IK10
Operating temperature	-10° C / +50° C
Power supply / consumption	12 Vdc / PoE - 500 mA 6 W
Dimensions (mm)	ø 150 x 114
Weight (g)	1260
Notes	RTSP*, multi-stream. Installable with 46922.012 contact box
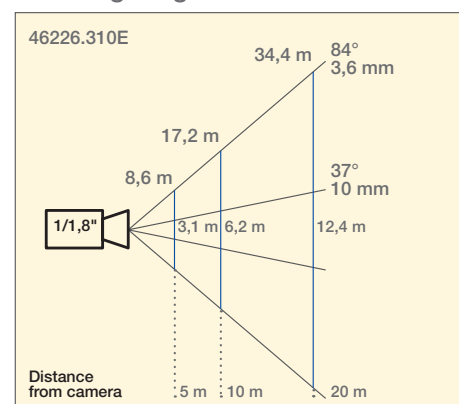
* RTSP: function for connecting directly to the By-me home automation system without using NVR.

▲ New article   Δ Available while stocks last   * Not to be used in European Countries

Videosurveillance system

Fixed outdoor 4 Mpx Mini Dome IP cameras

H.265
NEW TECHNOLOGY

Models	▲ 46223.036D
Sensor	1/3" CMOS progressive scan, 4 Mpx
Resolution	2592 X 1520
Sensitivity	0.05 lux@F1.2, AGC ON; 0 Lux (IR led ON)
Video compression	H.264 - H.265
Day & night	ICR
Lens	3,6 mm @ F1.6 view angle: 76°
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 (1280X 720)
Secondary frame rate	30 Fps (1280X 720) 30 Fps (D1) 30 Fps (CIF) 30 Fps (480 X 240)
Bit Rate	128 kbps / 9 Mbps
SD card	Yes, not included (128 GB max)
Audio in/out	1/0 (MIC integrated)
In/out alarm	0/0
CVBS output video	Yes
Function	Real WDR, Smart IR, ROI, 3DNR, Mask, Motion, HLC, BLC, Defog
Compatibility	ONVIF
IR	10 m
Protection rating IP/IK	IP66 / IK10
Operating temperature	-10° C / + 50°C
Power supply / consumption	12 Vdc / PoE - 240 mA 3 W
Dimensions (mm)	ø 110 x 58
Weight (g)	349
Notes	RTSP*, multi-stream

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

Shooting range

46223.036D

76°
3,6 mm

1/3"

3,4 m   6,7 m   13,4 m

Distance from camera

5 m   10 m   20 m

Dimensions in mm

110

58

VIMAR
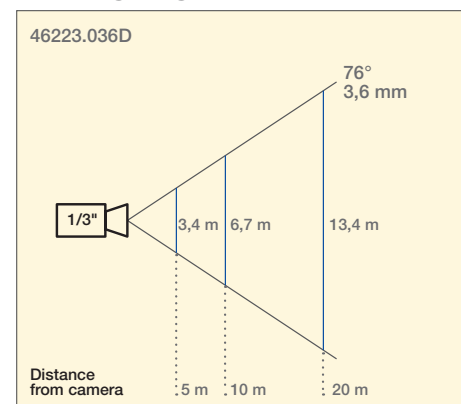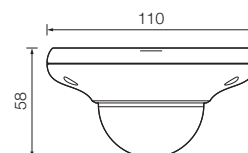
PTZ IP cameras (Speed Dome)

3Mpx

Model	46235.020C
Sensor	1/2,8" CMOS progressive scan, 3 Mpx
Resolution	2048 x 1536
Sensitivity	0 Lux (IR LED ON)
Video compression	H.264 - H.265
Day & night	ICR
Lens	Lens zoom 20x (5,5 - 110 mm)
View angle	58° Wide - 3,6° Tele
Main frame rate	30 Fps (2048 x 1536) 30 Fps (1920 x 1080) 30 Fps (1280 x 720)
Secondary frame rate	30 Fps (D1) 30 Fps (CIF) 30 Fps (480 x 240)
Bit Rate	64 kbps / 8 Mbps
Pan/Tilt limit	360° continue 0° to 90° auto Flip
Preset	255
Patrol /Patern	8/4
Control	RS485
SD card	Yes, not included (128 GB max)
Audio in/out	1/1
In/out alarm	7/1
CVBS output video	Yes (video test)
Function	WDR, Smart-IR, DeFog, BLC, 3D DNR
Compatibility	ONVIF
IR	Progressive Smart IR with zoom up to 100 m
Protection rating IP	IP66
Operating temperature	-20° C / +60° C
Power supply / consumption	24 Vac (65 W with IR and activate heater)
Dimensions (mm)	ø 216 x 349 only camera
Weight (g)	5000
Notes	RTSP*, multi-stream. Surface bracket and power unit included

Shooting range
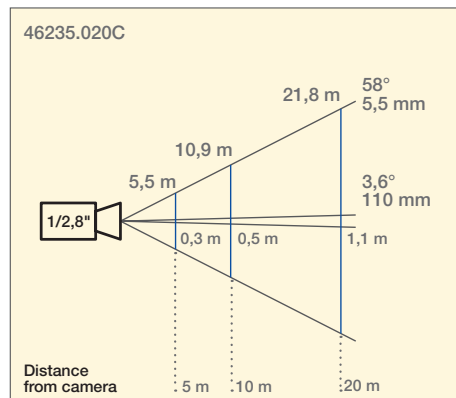
46235.020C

			58° 5,5 mm
	21,8 m		
10,9 m			
5,5 m			3,6° 110 mm
1/2,8"	0,3 m	0,5 m	1,1 m

Distance from camera : 5 m : 10 m : 20 m

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

▲ New article   Δ Available while stocks last   * Not to be used in European Countries

PoE ethernet switch (recommended only for CCTV systems)

Models	Δ 46260.5P	▲ 46260.5P.01	46260.10P	46260.10	46260.16P
PoE standard	IEEE802.3at	IEEE802.3af	IEEE802.3af	-	IEEE802.3af
PoE ports	4	4	8	-	16
Ports	-	5	10	10	18
Uplink ports	1	1	2	2	2 + 2SFP
Port speed Mbps	10/100	10/100/1000	10/100/1000	10/100/1000	x16 10/100 x2 10/100/1000
Standard	IEEE 802.3 10 BASE-T IEEE 802.3u 100 BASE-Tx	IEEE 802.3 10 BASE-T IEEE 802.3u 100 BASE-Tx IEEE 802.3ab 1000 BASE-T	IEEE 802.3 10 BASE-T IEEE 802.3u 100 BASE-Tx IEEE 802.3ab 1000 BASE-T	IEEE 802.3 10 BASE-T IEEE 802.3u 100 BASE-Tx IEEE 802.3ab 1000 BASE-T	IEEE 802.3 10 BASE-T IEEE 802.3u 100 BASE-Tx IEEE 802.3ab 1000 BASE-T IEEE 802.3z
PoE Power Output (per port)	48 Vdc, 620 mA 30 W max	48 Vdc, 320 mA 15,4 W max	48 Vdc, 320 mA 15,4 W max	-	48 Vdc, 320 mA 15,4 W max
Total PoE Power	50 W max	60 W max	110 W max	-	220 W max
PoE modality	1/2(+), 3/6(-), Mode-A, End-Span	1/2(+), 3/6(-), Mode-A, End-Span	1/2(+), 3/6(-), Mode-A, End-Span	-	-
Power supply / consumption	input: 100-240 Vac output: 48 Vdc 1.25 A / 60 W max	input: 100-240 Vac output: 52 Vdc 1.25 A / 65 W max	input: 100-240 Vac output: 52 Vdc 2.5 A / 120 W max	input: 100-240 Vac 30 W max	input: 100-240 Vac 250 W max
Operating temperature	0°C ÷ 50°C	0°C ÷ 55°C	0°C ÷ 55°C	0°C ÷ 55°C	0°C ÷ 55°C
Dimensions (mm)	117 x 84 x 29	125 x 73 x 27	207 x 95 x 27	283 x 178 x 45	440 x 290 x 44
Notes				NO PoE	

NVR H.265 Real Time 5 Mpx

H.265 NEW TECHNOLOGY

| Models	46241.H04	46241.H08	46241.H16	46241.F32H	46241.H64
Video compression	H.264 - H.265	H.264 - H.265	H.264 - H.265	H.264 - H.265	H.264 - H.265
Mode of operation	PENTAPLEX	PENTAPLEX	PENTAPLEX	PENTAPLEX	PENTAPLEX
Video input	4 Ch	8 Ch	16 Ch	32 Ch	64 Ch
Video output	1 HDMI	1 HDMI, 1 VGA	1 HDMI, 1 VGA	1 HDMI, 1 VGA	2 HDMI, 1 VGA
Audio in/out	- / 1	1 / 1	1 / 1	1 / 1	1 / 1
Resolution for recording	Real Time 5 Mpx 4 CH @ 100 Fps	Real Time 5 Mpx 8 CH @ 200 Fps	Real Time 5 Mpx 16 CH @ 400 Fps	Real Time 5 Mpx 32 CH @ 800 Fps	Real Time 5 Mpx 64 CH @ 1600 Fps
VGA/HDMI resolution	- / 1080p	1080p / 4K	1080p / 4K	1080p / 4K	1080p / 4K - 1080
In/out alarm	-	-	-	-	8 / 4
Network interface	1 RJ45 10/100 Mbps	1 RJ45 10/100 Mbps	1 RJ45 10/100/1000 Mbps	1 RJ45 10/100/1000 Mbps	2 RJ45 10/100/1000 Mbps
Hard drive interface	1 SATA (max 6 TB)	1 SATA (max 6 TB)	2 SATA (max 6 TB)	2 SATA (max 6 TB)	8 SATA (max 6 TB) 2 E-SATA
Hard disk drive	1 TB professional	1 TB professional	2 TB professional	2 TB professional	-
Plug & Play	Yes (on built-in PoE switch, 4-port PoE)	Yes (on built-in PoE switch, 8-port PoE)	-	-	-
USB interface	2	2	2	2	3
RS485	No	No	No	No	Yes
PTZ control	Yes	Yes	Yes	Yes	Yes
CVM	Yes	Yes	Yes	Yes	Yes
QR CODE	Yes	Yes	Yes	Yes	Yes
Control via smartphone	Android, iPhone	Android, iPhone	Android, iPhone	Android, iPhone	Android, iPhone
Video analysis	Motion detection	Motion detection	Motion detection	Motion detection	Motion detection
Privacy filter	Yes	Yes	Yes	Yes	Yes
Interface	Mouse, remote control	Mouse, remote control	Mouse, remote control	Mouse, remote control	Mouse, remote control
Power supply / consumption (excluded HD)	48 V 1,25 A / 5 W (single supply unit)	48 V 2,5 A / 5W (single supply unit)	12 V 4 A / 15 W	12 V 4 A / 15 W	110/230 V / 15 W (inner supply unit)
Operating temperature	0° C / +50° C	0° C / +50° C	0° C / +50° C	0° C / +50° C	0° C / +50° C
Dimensions (mm)	300 x 248 x 52	300 x 248 x 52	380 x 269 x 52	380 x 269 x 52	430 x 450 x 90
Weight (g) excluded HDD	1000	1200	1500	1500	4500
Notes			1 rack unit	1 rack unit	2 rack units

PENTAPLEX: the DVR/NVR manages simultaneously the recording, real time visualization, stored image research, back-up (images copy), remote visualization (e.g. from internet).

ELVOX CCTV
Videosurveillance system

Fixed outdoor Bullet AHD Full-HD cameras

Models	46512.036B
Sensor	1/2,7" CMOS 2 Mpx
Actual pixels	1928 x 1088
Resolution	1080p
Sensitivity	0 Lux (IR LED ON)
Day & night	Mechanical ICR
Lens	3,6 mm
S/N Ratio	50 dB
Shutter speed (PAL)	AUTO
OSD	Yes (switch on cable)
Control over coaxial (CsC)	Yes
CVBS output video	Yes (signal switch by OSD)
Function	2DNR, Smart-IR, D-WDR, WHITE-BALANCE, AGC, BLC
IR range	35 LED, 30 m
Protection rating IP	IP66
Operating temperature	-10° C / +50° C
Power supply / consumption	12 V 250 mA
Dimensions (mm)	182 x 112 x 76
Weight (g)	510
Notes	Installable with pole bracket 46917.004 and contacts box 46922.015

Shooting range

46512.036B — 73° 3,6 mm
1/2,7" — 7,5 m — 15 m — 30 m
Distance from camera — 5 m — 10 m — 20 m
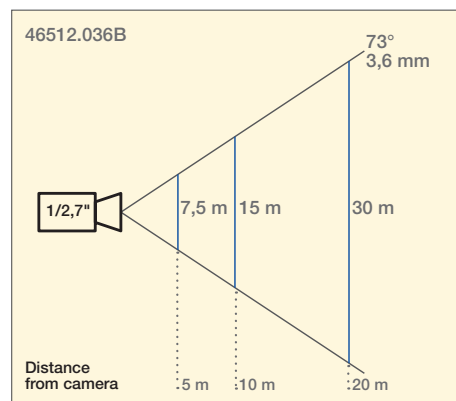
Fixed outdoor Bullet 3 and 4 Mpx AHD cameras

Models	46512.036D	46512.028C
Sensor	1/3" CMOS	1/3" CMOS
Actual pixels	2688 (H) x1520 (V)	2304 (H) x1536 (V)
Resolution	4 Mpx	3 Mpx
Video output	AHD	AHD
Sensitivity	0 Lux (IR LED ON)	0 Lux (IR LED ON)
Day & Night	Mechanical ICR	Mechanical ICR
Lens	3,6 mm	2,8 mm
S/N Ratio	50 dB	41 dB
Shutter speed	AUTO, FLK, 1/25 s - 1/50000 s	AUTO, FLK, 1/25 s - 1/50000 s
Joystick	Yes	Yes
Function	2DNR,Smart-IR,BLC,HSBLC, D-WDR, WHITE-BAL, AGC, DPC, Mirror	2DNR,Smart-IR,BLC,HSBLC, D-WDR, WHITE-BAL, AGC,DPC, Mirror
OSD via CoC	Yes - multilanguage	Yes - multilanguage
IR range	30 m	30 m
Protection rating IP	IP66	IP66
Operating temperature	-10 / + 50 °C	-10 / + 50 °C
Power supply / consumption	12 V 350 mA	12 V 350 mA
Dimensions (mm)	ø 67 x 228	ø 67 x 228
Weight (g)	403	403
Notes	Installable with pole bracket 46917.004 and contacts box 46922.015	Installable with pole bracket 46917.004 and contacts box 46922.015

Shooting range

46512.036D — 67° 3,6 mm
1/3" — 6,7 m — 13,4 m — 26,8 m
Distance from camera — 5 m — 10 m — 20 m

46512.028C — 81° 2,8 mm
1/3" — 8,6 m — 17,2 m — 34,4 m
Distance from camera — 5 m — 10 m — 20 m

ELVOX CCTV
Videosurveillance system

VIMAR
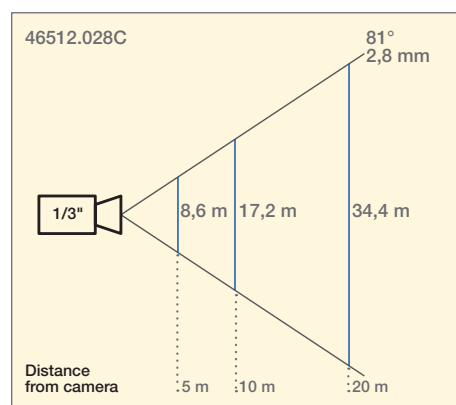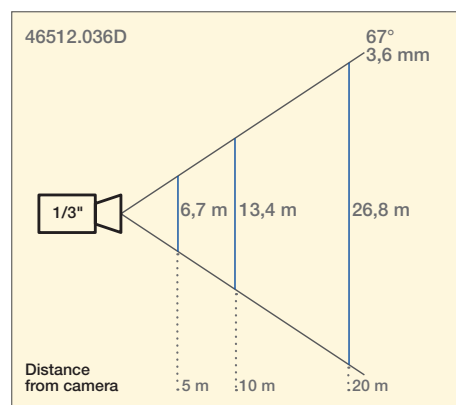
Varifocal outdoor Bullet AHD Full-HD cameras

Models	46516.212B
Sensor	1/2,7" CMOS 2 Mpx
Actual pixels	1928 x 1088
Resolution	1080p
Sensitivity	0 Lux (IR LED ON)
Day & night	Mechanical ICR
Lens	2,8 - 12 mm
S/N Ratio	50 dB
Shutter speed (PAL)	AUTO
OSD	Yes (switch on cable)
Control over coaxial (CsC)	Yes
CVBS output video	Yes (signal switch by OSD)
Function	2DNR, Smart-IR, D-WDR, WHITE-BALANCE, AGC, BLC
IR range	4 LED Array, 50 m
Protection rating IP	IP66
Operating temperature	-10° C ~ +50° C
Power supply / consumption	12 V 700 mA
Dimensions (mm)	261 x 118 x 80
Weight (g)	865
Notes	Installable with pole bracket 46917.004 and contacts box 46922.015

Shooting range

46516.212B — 1/2,7" — 38,4 m / 88° / 2,8 mm — 19,2 m — 9,6 m — 25° / 12 mm — 2,2 m / 4,4 m / 8,8 m — Distance from camera — 5 m / 10 m / 20 m

Varifocal outdoor Bullet 3 and 4 Mpx AHD cameras

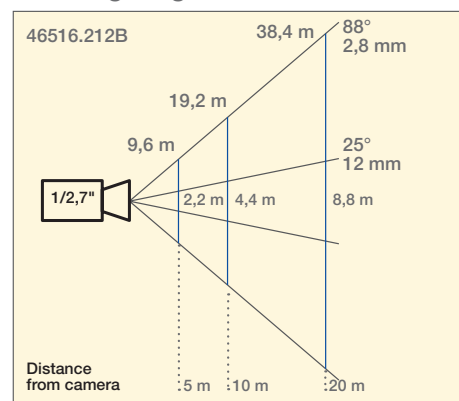| Models	46516.213D	46516.212C
Sensor	1/3" CMOS	1/3" CMOS
Actual pixels	2688 x 1520	2304 x 1536
Resolution	4 Mpx	3 Mpx
Video output	AHD	AHD
Sensitivity	0 Lux (IR LED ON)	0 Lux (IR LED ON)
Day & Night	Mechanical ICR	Mechanical ICR
Lens	2,7 - 13,5 mm	2,8 - 12 mm
S/N Ratio	50 dB	41 dB
Shutter speed	AUTO, FLK, 1/25 s - 1/50000 s	AUTO, FLK, 1/25 s - 1/50000 s
Joystick	Yes	Yes
Function	2DNR,Smart-IR,BLC,HSBLC, D-WDR, WHITE-BAL, AGC, DPC, Mirror	2DNR,Smart-IR,BLC,HSBLC, D-WDR, WHITE-BAL, AGC, DPC, Mirror
OSD via CoC	Yes - multilanguage	Yes - multilanguage
IR range	50 m	50 m
Protection rating IP	IP66	IP66
Operating temperature	-10 / + 50 °C	-10 / + 50 °C
Power supply / consumption	12 V 250 mA	12 V 250 mA
Dimensions (mm)	ø 76 x 306	ø 76 x 306
Weight (g)	744	744
Notes	Installable with pole bracket 46917.004 and contacts box 46922.015	Installable with pole bracket 46917.004 and contacts box 46922.015

Shooting range

46516.213D — 1/3" — 35,6 m / 83° / 2,7 mm — 17,8 m — 8,9 m — 20° / 13,5 mm — 1,8 m / 3,6 m / 7,2 m — Distance from camera — 5 m / 10 m / 20 m

46516.212C — 1/3" — 35,6 m / 83° / 2,7 mm — 17,8 m — 8,9 m — 20° / 13,5 mm — 1,8 m / 3,6 m / 7,2 m — Distance from camera — 5 m / 10 m / 20 m

▲ New article   Δ Available while stocks last   * Not to be used in European Countries

Fixed outdoor Dome AHD Full-HD cameras

Shooting range
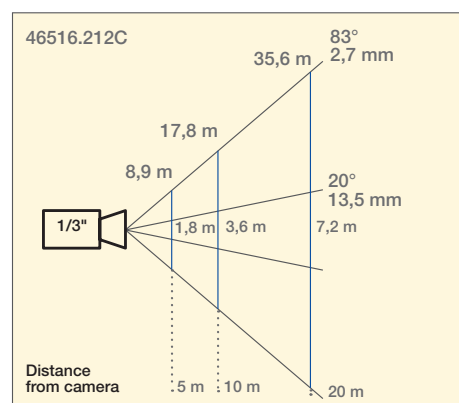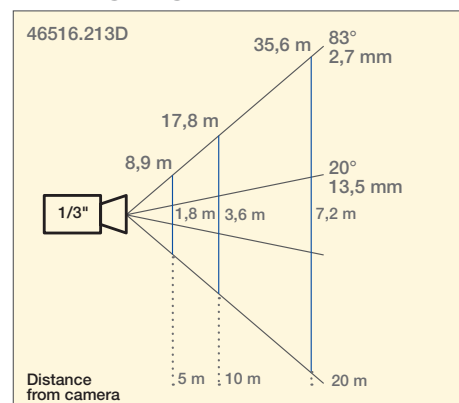
46522.036B

Models	46522.036B
Sensor	1/2,7" CMOS, 2 Mpx
Actual pixels	1928 x 1088
Resolution	1080p
Sensitivity	0 Lux (IR LED ON)
Day & night	Mechanical ICR
Lens	3,6 mm
S/N Ratio	50 dB
Shutter speed (PAL)	AUTO
OSD	Yes (switch on cable)
Control over coaxial (CsC)	Yes
CVBS output video	Yes (signal switch by OSD)
Function	2DNR, Smart-IR, D-WDR WHITE-BALANCE, AGC, BLC
IR range	20 LED, 20 m
Protection rating IP	IP66
Operating temperature	-10° C / +50° C
Power supply / consumption	12 V 250 mA
Dimensions (mm)	ø 94 x 70
Weight (g)	570
Notes	Installable with pole bracket 46917.004 and contacts box 46922.017

Fixed outdoor Dome 3 and 4 Mpx AHD cameras

Shooting range

Models	46522.036D	46522.028C
Sensor	1/3" CMOS	1/3" CMOS
Actual pixels	2688 (H) x1520 (V)	2304 (H) x1536 (V)
Resolution	4 Mpx	3 Mpx
Video output	AHD	AHD
Sensitivity	0 Lux (IR LED ON)	0 Lux (IR LED ON)
Day & Night	Mechanical ICR	Mechanical ICR
Lens	3,6 mm	2,8 mm
S/N Ratio	50 dB	41 dB
Shutter speed	AUTO, FLK, 1/25 s - 1/50000 s	AUTO, FLK, 1/25 s - 1/50000 s
Joystick	Yes	Yes
Function	2DNR, Smart-IR, BLC,HSBLC, D-WDR, WHITE-BAL, AGC, DPC, Mirror	2DNR, Smart-IR, BLC,HSBLC, D-WDR, WHITE-BAL, AGC, DPC, Mirror
OSD via CoC	Yes - multilanguage	Yes - multilanguage
IR range	20m	20 m
Protection rating IP	IP66	IP66
Operating temperature	-10 / + 50 °C	-10 / + 50 °C
Power supply / consumption	12 V 150 mA	12 V 150 mA
Dimensions (mm)	ø 94 x70	ø 94 x70
Weight (g)	392	392
Notes	Installable with pole bracket 46917.004 and contacts box 46922.017	Installable with pole bracket 46917.004 and contacts box 46922.017

46522.036D

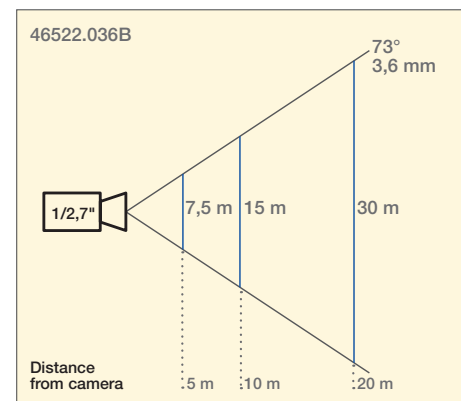

46522.028C
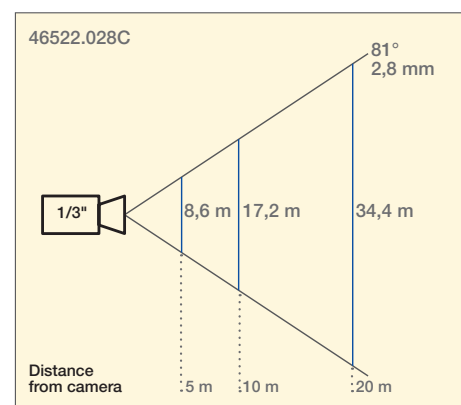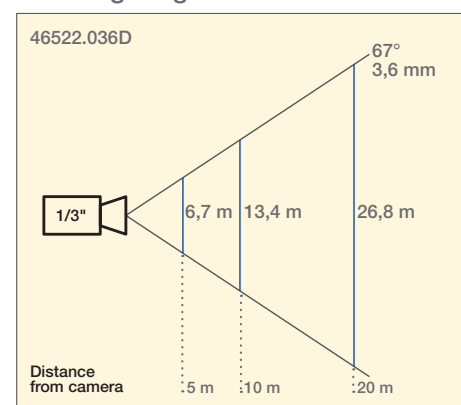
Varifocal outdoor Dome AHD Full-HD cameras

Full HD 1080

Models	46526.212B
Sensor	1/2,7" CMOS 2 Mpx
Actual pixels	1928 x 1088
Resolution	1080p
Sensitivity	0 Lux (IR LED ON)
Day & night	Mechanical ICR
Lens	2,8 - 12 mm
S/N Ratio	50 dB
Shutter speed (PAL)	AUTO
OSD	Yes (switch on cable)
Control over coaxial (CsC)	Yes
CVBS output video	Yes (signal switch by OSD)
Function	2DNR, Smart-IR, D-WDR WHITE-BALANCE, AGC, BLC
IR	35 LED, 30 m
Protection rating IP	IP66
Operating temperature	-10° C / +50° C
Power supply / consumption	12 V 300 mA
Dimensions (mm)	ø 120 x 80
Weight (g)	1000
Notes	Installable with pole bracket 46917.004 and contacts box 46922.018

Shooting range

46526.212B

- 38,4 m / 88° / 2,8 mm
- 19,2 m
- 9,6 m
- 1/2,7"
- 25° / 12 mm
- 2,2 m
- 4,4 m
- 8,8 m
- Distance from camera
- 5 m   10 m   20 m

Varifocal outdoor Dome 3 and 4 Mpx AHD cameras

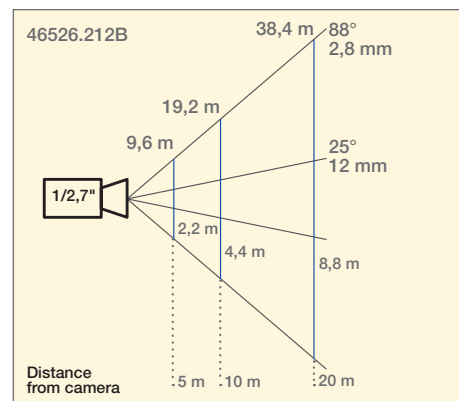| Models	46526.213D	46526.212C
Sensor	1/3" CMOS	1/3" CMOS
Actual pixels	2688 x 1520	2304 x 1536
Resolution	4 Mpx	3 Mpx
uscita video	AHD	AHD
Sensitivity	0 Lux (IR LED ON)	0 Lux (IR LED ON)
Day & Night	Mechanical ICR	Mechanical ICR
Lens	2,7-13,5 mm	2,8-12 mm
S/N Ratio	50 dB	41 dB
Shutter speed	AUTO , FLK 1/25 s - 1/50000 s	AUTO , FLK 1/25 s - 1/50000 s
Joystick	Yes	Yes
Function	2DNR, Smart-IR, BLC, HSBLC D-WDR, WHITE-BAL, AGC,DPC, Mirror	2DNR, Smart-IR, BLC, HSBLC, D-WDR, WHITE-BAL, AGC,DPC, Mirror
OSD via CoC	Yes - multilanguage	Yes - multilanguage
IR	30 m	30 m
Protection rating IP	IP66	IP66
Operating temperature	-10 / + 50 °C	-10 / + 50 °C
Power supply / consumption	12 V 250 mA	12 V 250 mA
Dimensions (mm)	ø 120 x 80	ø 120 x 80
Weight (g)	713	713
Notes	Installable with pole bracket 46917.004 and contacts box 46922.018	Installable with pole bracket 46917.004 and contacts box 46922.018

Shooting range

46526.213D

- 35,6 m / 83° / 2,7 mm
- 17,8 m
- 8,9 m
- 1/3"
- 20° / 13,5 mm
- 1,8 m
- 3,6 m
- 7,2 m
- Distance from camera
- 5 m   10 m   20 m

46526.212C

- 34,4 m / 81° / 2,8 mm
- 17,2 m
- 8,6 m
- 1/3"
- 23° / 12 mm
- 2 m
- 4 m
- 8 m
- Distance from camera
- 5 m   10 m   20 m

▲ New article   Δ Available while stocks last   * Not to be used in European Countries

Videosurveillance system
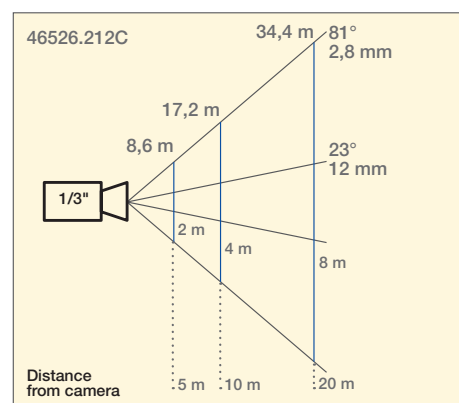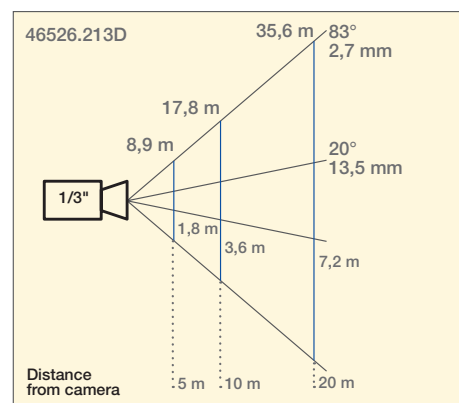
Fixed outdoor Mini Dome AHD Full-HD cameras

Shooting range

Models	**46523.036B**
Sensor	1/2,8" CMOS, 2 Mpx
Actual pixels	1984 x 1105
Resolution	1080p
Sensitivity	0 Lux (IR LED ON)
Day & night	Mechanical ICR
Lens	3,6 mm
S/N Ratio	50 dB
Shutter speed (PAL)	AUTO/FLICKER 1/25 - 1/50.000 s x2 - x30
OSD	Yes (switch on cable)
Control over coaxial (CsC)	Yes
CVBS output video	Yes (signal switch by OSD)
Function	2DNR, 3DNR, Smart-IR, BLC, HSBLC, D-WDR, WHITE-BAL, AGC, Defect, Defog, Motion, Alarm, Privacy, Mirror, V-Flip, Rotate, Neg-img, Freeze
IR range	10 LED, 5 m
Protection rating IP	IP66
Operating temperature	-10° C / +50° C
Power supply / consumption	12 V 300 mA
Dimensions (mm)	50 x 54 x 54
Weight (g)	300

46523.036B — 79° 3,6 mm — 1/2,8" — 7,8 m — 15,6 m — 31,1 m — Distance from camera — 5 m — 10 m — 20 m
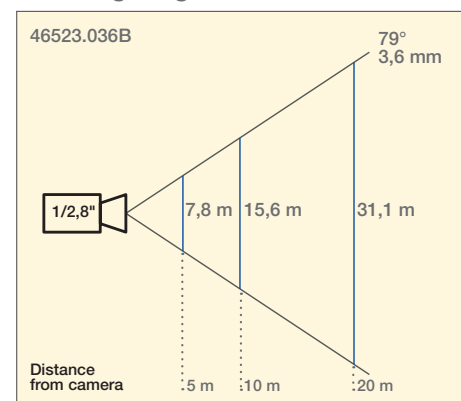
Camouflage cameras

Shooting range

Models	**46534.037**
Sensor	1/4" CMOS
Actual pixels	1296 (H) x 732 (V)
Resolution	720p
Sensitivity	1 Lux
Day & night	Electronic ICR
Lens	3,7 mm
S/N Ratio	50 dB
Shutter speed (PAL)	AUTO
OSD	No
CVBS output video	No
Function	AGC, BLC, NR
IR range	No
Protection rating IP	No
Operating temperature	-10° C ~ +50° C
Power supply / consumption	12 V 100 mA
Dimensions (mm)	150 x 30 x 60
Weight (g)	166

46534.037 — 52° 3,7 mm — 1/4" — 4,9 m — 9,8 m — 19,6 m — Distance from camera — 5 m — 10 m — 20 m

VIMAR
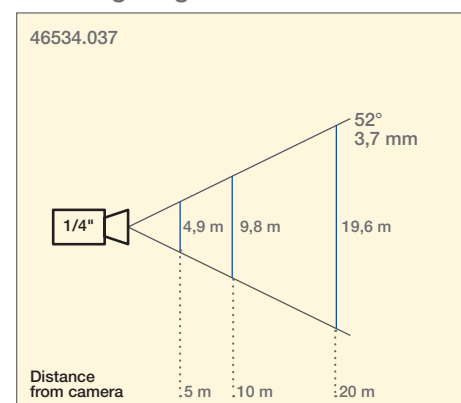
AHD Speed Dome (PTZ) outdoor cameras

Models	46535.020B
Sensor	1/3" CMOS 2 Mpx
Actual pixels	1984 x 1225
Resolution	1080p - 25/30 fps
Sensitivity	0 Lux (IR LED ON)
Zoom	Lens zoom 20x (5,35 - 107 mm)
View angle	51,85° Wide - 2,89° Tele
Day & night	Mechanical
Function	OSD, ATR, 2D DNR, BLC, DeFog
S/N Ratio	> 50 dB
Pan/Tilt limit	360° continue 0° to 90° auto Flip
Preset	220
Patrol/Pattern	8/4
Privacy	8 areas
Control	RS485
In/out alarm	4/1
IR range	150 m
Protection rating IP	IP66
Operating temperature	-40° C / + 60° C
Power supply	24 Vac 3 A (provided)
Dimensions mm	ø 210 x 330
Weight (g)	4600

Shooting range

46535.020B

18,8 m 51,8° 5,35 mm

9,4 m

4,7 m

1/3"

0,2 m 0,4 m

2,89° 107 mm

0,8 m

Lens zoom 20x (5,35 - 107 mm)

Distance from camera   5 m   10 m   20 m

▲ New article   Δ Available while stocks last   * Not to be used in European Countries

VIMAR
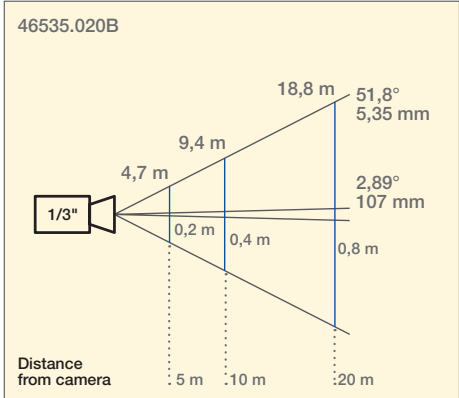
4 Mpx AHD DVR

Models	46540.D04	46540.D08	46540.D16
Video compression	Standard H.264 High Profile	Standard H.264 High Profile	Standard H.264 High Profile
Mode of operation	PENTAPLEX	PENTAPLEX	PENTAPLEX
Video input	BNC x 4	BNC x 8	BNC x 16
Video output	1 HDMI 1920x1080, 1280x1024 1 VGA 1920x1080, 1280x1024 1 BNC (spot or CVBS)	1 HDMI 4K, 1920x1080, 1280x1024 1 VGA 1920x1080, 1280x1024 1 BNC (spot or CVBS)	1 HDMI 4K, 1920x1080, 1280x1024 1 VGA 1920x1080, 1280x1024 1 BNC (spot or CVBS)
Audio input/output	RCA x 4/RCA x 1	RCA x 4/RCA x 1	RCA x 4/RCA x 1
Resolution for recording AHD	4 Mpx/3 Mpx 12,5 Fps 1080p/720p/WD1 25 Fps	4 Mpx/3 Mpx 12,5 Fps 1080p/720p/WD1 25 Fps	4 Mpx/3 Mpx 12,5 Fps 1080p/720p/WD1 25 Fps
Resolution for recording TVI	1080p/720p 25Fps	1080p/720p 25Fps	1080p/720p 25Fps
Resolution for recording CVI	1080p/720p 25Fps	1080p/720p 25Fps	1080p/720p 25Fps
IP cameras matching	Yes	Yes	Yes
No IP cameras connected to DVR (by ext. switch)	1 in addition to 4 analog cameras	4 in addition to 8 analog cameras	4 in addition to 16 analog cameras
IP camera recording resolution	3 Mpx 12,5 Fps 1080p/960p/720p 25 Fps	4 Mpx/3 Mpx/1080p/960p/720p 25 Fps	4 Mpx/3 Mpx/1080p/960p/720p 25 Fps
Input/output alarm	4/1	4/1	4/1
OSD camera control over coaxial	Yes	Yes	Yes
Network interface	1 RJ45 - 10/100 Mbps	1 RJ45 - 10/100 Mbps	1 RJ45 - 10/100 Mbps
Hard drive interface	1 SATA (max 6 TB)	2 SATA (max 6 TB)	2 SATA (max 6 TB)
Hard disk drive	1 TB professional	1 TB professional	2 TB professional
USB interface	2 USB 2.0	1 USB 2.0 front panel 1 USB 3.0 back panel	1 USB 2.0 front panel 1 USB 3.0 back panel
RS485 PTZ control	Yes	Yes	Yes
CVM	Yes	Yes	Yes
QR CODE	Yes	Yes	Yes
Control via smartphone	Android and iPhone with APP SuperLive Pro	Android and iPhone with APP SuperLive Pro	Android and iPhone with APP SuperLive Pro
Video analysis	Motion Detection	Motion Detection	Motion Detection
Privacy filter	Yes	Yes	Yes
Interface	Mouse, remote control	Mouse, remote control	Mouse, remote control
Power supply / consumption excluded HD	12 V / 5 W	12 V / 15 W	12 V / 18 W
Operating temperature	-10 / + 50 °C	-10 / + 50 °C	-10 / + 50 °C
Dimensions (mm)	300 x 248 x 52	380 x 268 x 52	380 x 268 x 52
Weight (g) excluded HDD	1100	1600	1800

PENTAPLEX: the DVR/NVR manages simultaneously the recording, real time visualization, stored image research, back-up (images copy), remote visualization (e.g. from internet). The "OSD control from DVR" function has to be supported by the camera.

Videosurveillance system

1080p AHD DVR manageable from 10" multimedia video touchscreen (21553.2)

Models	46540.F04	46540.F08	46540.H16
Video compressor	Standard H.264 High Profile	Standard H.264 High Profile	Standard H.264 High Profile
Mode of operation	PENTAPLEX	PENTAPLEX	PENTAPLEX
Video input	4 BNC	8 BNC	16 BNC
Video output	1 HDMI, 1 VGA, 1 BNC	1 HDMI, 1 VGA, 1 BNC	1 HDMI, 1 VGA, 1 BNC
Audio in/out	4 RCA/1 RCA	4 RCA/1 RCA	4 RCA/1 RCA
Resolution for recording	FullHD 1080p: 12,5 Fps 1080p LITE (AHD) or HD 720p (AHD) or WD1 (analog): 25 Fps	FullHD 1080p: 12,5 Fps 1080p LITE (AHD) or HD 720p (AHD) or WD1 (analog): 25 Fps	FullHD 1080p: 12,5 Fps 1080p LITE (AHD) or HD 720p (AHD) or WD1 (analog): 25 Fps
IP cameras matching	Yes	Yes	Yes
No IP cameras connected to DVR (by ext. switch)	1 (in addition to 4 CVBS analog/AHD cameras)	1 (in addition to 8 CVBS analog/AHD cameras)	4 (in addition to 16 CVBS analog/AHD cameras)
IP camera recording resolution	1 Ch 1080p 25 Fps 720p 25 Fps	1 Ch 3 Mpx 12 Fps 1080p 25 Fps 720p 25 Fps	4 Ch 3 Mpx 12,5 Fps 1080p 25 Fps 720p 25 Fps
VGA/HDMI resolution	1080p (1920 x 1080)	1080p (1920x1080)	1080p (1920x1080)
In/out alarm	4/1	4/1	4/1
OSD camera control over coaxial (CsC)	Yes	Yes	Yes
Network interface	1 RJ45 - 10/100 Mbps	1 RJ45 - 10/100 Mbps	1 RJ45 - 10/100 Mbps
Hard drive interface	1 SATA da 3 TB max	1 SATA da 3 TB max	2 SATA da 3 TB max
Hard disk drive	1 TB professional	1 TB professional	1 TB professional
USB interface	2	2	2
RS485 PTZ control	Yes	Yes	Yes
CVM	Yes	Yes	Yes
QR CODE	Yes	Yes	Yes
Control via smartphone	Android and iPhone with APP SuperLive Pro	Android and iPhone with APP SuperLive Pro	Android and iPhone with APP SuperLive Pro
Video analysis	Motion Detection	Motion Detection	Motion Detection
Privacy filter	Yes	Yes	Yes
Interface	Mouse, remote control	Mouse, remote control	Mouse, remote control
Power supply / consumption excluded HD	12 V 2 A 6 W	12 V 3 A 8 W	12 V 4 A 15 W
Operating temperature	0° C / +50 °C	0° C / +50 °C	0° C / +50 °C
Dimensioni (mm)	300 x 248 x 52	300 x 248 x 52	380 x 268 x 52
Weight (g) excluded HDD	1100	1100	1800

PENTAPLEX: the DVR/NVR manages simultaneously the recording, real time visualization, stored image research, back-up (images copy), remote visualization (e.g. from internet). The "OSD control from DVR" function has to be supported by the camera.
1080p LITE: the DVR records flowing video (25 fps), reducing the pixel dimensions.

▲ New article   Δ Available while stocks last   * Not to be used in European Countries

Monitor

Models	46910.H20A	46910.H24A
Screen	19,5" LED Backlight Monitor	23,6" LED Backlight Monitor
Resolution	1920 x 1080	1920 x 1080
Profile ratio	16:9	16:9
Brightness (NIT)	250 cd/m^2	250 cd/m^2
Contrast ratio	500:1	500:1
View angle	170° x 160°	170° x 160°
Response time	5 ms	5 ms
Video inputs	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
Audio input/output	1	1
Power supply	12 Vdc 30 W whit standard power supply	12 Vdc 30 W whit standard power supply
Vesa contact	Yes	Yes
Desktop frame	Yes	Yes
Dimensions (mm)	485 x 375 x 50	570 x 425 x 50
Weight (kg)	2,8	3,8

PTZ cameras bracket

▲ **46917.002**
Pole bracket suitable for
Speed Dome (PTZ)
and Bullet IP

Passive transducers (AHD)

46862.B02
Pair of passive transducer for
video transmission on twisted
cable, BNC connectors for
camera or DVR connection, one
transducer with 14 cm of cable,
screw connection for cable

Δ **46862.001**
Passive video transducer balun
for twisted pair cable video
transmission, BNC connector
for camera or DVR connection,
spring toolless connection cable

Power supplies

46902.010
Switching-mode power supply unit 100-240 Vac 50/60 Hz, integrated Europlug 2P plug, output with standard jack connector 12 Vdc 1 A, 12 W maximum power

46901.015
Switching power unit, for flush mounting, power supply 100-240 Vac 50/60 Hz, 12 Vdc 1,5 A standard jackoutput, max power 18 W, installation in consumer units, in junction boxes or waterproof case

keypad for PTZ and DVR control

46916.005
Keypad for Speed Dome cameras control, 3-axis. Pelco D, Pelco P protocols. Supply unit 12 Vdc 2 A (provided). Dimensions: 220x130x90 mm

46916.004
IP keypad for PTZ control, it controls simultaneously 10 devices, 3-axis control. Supply unit 12 Vdc (provided)

Cables

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

0002.063.E
Cable for video systems, 2x0,35 mm² + 75 ohm coaxial cable, with PVC sheath, CPR Eca class, suitable for installation with I Category power supply cables (U0 = 400 V), grey - 200 m reel

0002.163.E
Cable for video systems, 2x0,75 mm² + 75 ohm coaxial cable, with PVC sheath, CPR Eca class, suitable for installation with I Category power supply cables (U0 = 400 V), grey - 200 m reel

46364.E.100
Coaxial cable for underground laying, ø 3,3 mm with LSZH sheath, CPR Eca class, suitable for installation with I Category power supply cables (U0 = 400 V), brown - 100 m reel

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

Max recommended transmission distance

Resolution	Coaxial cable				Network cable	
	RG59	0002.163.E (coaxial+supply)	46364.E.100 (3,3 mm high quality coaxial, internal)	46364.E.500 (6,3 mm high quality coaxial, external)	Passive Balun (analogue range)	Active Balun (analogue range)
AHD 720p	400 m	40 m @ 700 mA (limit by supply)	270 m	500 m	200 m	Not allowable use
AHD 1080p	250 m	40 m @ 700 mA (limit by supply)	160 m	300 m	100 m	Not allowable use
3 Mpx	200 m	40 m @ 700 mA (limit by supply)	120 m	250 m	100 m	Not allowable use
4 Mpx	200 m	40 m @ 700 mA (limit by supply)	120 m	250 m	100 m	Not allowable use

If the limit distance is exceeded there is a progressive degeneration of the signal quality.

▲ New article   Δ Available while stocks last   * Not to be used in European Countries

Brackets and supports for AHD Bullet and Dome video cameras

▲ **46922.015**
Bracket with contacts box for fixed and varifocal Bullet AHD video cameras for surface mounting or ceiling mounting

▲ **46922.017**
Bracket with contacts box for fixed Dome AHD video cameras for surface mounting or ceiling mounting

▲ **46922.018**
Bracket with contacts box for varifocal Dome AHD video cameras for surface mounting or ceiling mounting

46917.004
Pole bracket for fixed and varifocal AHD video cameras

Compatibility of box and AHD cameras

		46917.004 Pole bracket	46922.015 Bracket with contacts box	46222.017 Bracket with contacts box	46922.018 Bracket with contacts box
Cameras code					
BULLET	46512.036B	X	X		
	46512.028C	X	X		
	46512.036D	X	X		
	46516.212B	X	X		
	46516.212C	X	X		
	46516.213D	X	X		
DOME	46522.036B	X		X	
	46522.028C	X		X	
	46522.036D	X		X	
	46526.212B	X			X
	46526.212C	X			X
	46526.213D	X			X

ELVOX CCTV
Videosurveillance system

VIMAR

Brackets and supports for IP Bullet and Dome video cameras

▲ **46922.012**
Bracket with contacts box for varifocal IP Dome video cameras for surface mounting or ceiling mounting

▲ **46922.013**
Bracket with contacts box for varifocal IP Bullet and fixed Dome video cameras for surface mounting or ceiling mounting

▲ **46922.014**
Bracket with contacts box for IP Bullet and Dome fixed and varifocal video cameras for surface mounting or ceiling mounting

Compatibility of box and IP cameras

		Cameras code	46922.012 Bracket with contacts box	4622.013 Bracket with contacts box	46922.014 Bracket with contacts box
BULLET		46212.036B			X
		46212.036C.01			X
		46212.036D			X
		46216.312DMS			X
		46216.212B			X
		46216.212BL			X
		46216.310E		X	
		46216.312C.01		X	
		46216.312D.01		X	
		46216.312DM		X	
		46216.312.DMA		X	
DOME		46222.036C.01		X	
		46226.310E	X		
		46226.312D.01	X		
		46226.312DM	X		
		46226.312DMA	X		
		46222.036B			X
		46222.036BL			X
		46222.036D			X
		46226.212B			X
		46226.312DMS			X

▲ New article   Δ Available while stocks last   * Not to be used in European Countries

Videosurveillance system

TVCC AHD kit - 4- and 8-channel

46550.412B
TVCC kit with:
1 46540.F04: DVR AHD **4-channel** HD or Full HD Real Time, H.264, 1 TB professional
2 46512.036B: Bullet AHD **Full HD 1080p** cameras, **3,6 mm fixed lens**
2 46902.015: 12 Vdc plug-power unit
1 RT03: 'Area videosorvegliata' warning sign

46550.412C
TVCC kit with:
1 46540.D04: DVR AHD **4-channel** 4 Mpx or Full HD Real Time, H.264, 1 TB professional
2 46512.028C: Bullet AHD **3 Mpx** cameras, **2,8 mm fixed lens**
2 46902.010: 12 Vdc plug-power unit
1 RT03: 'Area videosorvegliata' warning sign

46550.816C
TVCC kit with:
1 46540.D08: DVR AHD **8-channel** 4 Mpx or Full HD Real Time, H.264, 1 TB professional
2 46516.212C: Bullet AHD **3 Mpx** cameras, **2,8-12 mm varifocal lens**
2 46902.010: 12 Vdc plug-power unit
1 RT03: 'Area videosorvegliata' warning sign

46550.816B
TVCC kit with:
1 46540.F08: DVR AHD **8-channel** HD Real Time, H.264, 1 TB professional
2 46516.212B: Bullet AHD **Full HD 1080p** cameras, **2,8-12 mm varifocal lens**
2 46902.015: 12 Vdc plug-power unit
1 RT03: 'Area videosorvegliata' warning sign

AHD

DVR with alarm input and cam matching

DVR	Channels number	In/out alarm	Cam resolution			
			720p	1080p	3 Mpx	4 Mpx
46540.F04	4	4 / 1	Yes	Yes	-	-
46540.F08	8	4 / 1	Yes	Yes	-	-
46540.H16	16	4 / 1	Yes	Yes	-	-
46540.D04	4	4 / 1	Yes	Yes	Yes	Yes
46540.D08	8	4 / 1	Yes	Yes	Yes	Yes
46540.D16	16	4 / 1	Yes	Yes	Yes	Yes

Cams with alarm input

Cameras	Sensor (resolution)	Lens	In/out alarm
46535.020B	1/3" (1080p)	5,35 - 107 mm	4 / 1

IP

NVR with alarm input and cam matching

NVR	Chan-nels number	In/out alarm	PoE number	Cam sensor (resolution)
				Up to 5 Mpx (2592 x 1944)
46241.H04	4	-	4	Yes
46241.H08	8	-	8	Yes
46241.H16	16	-	-	Yes
46241.F32H	32	-	-	Yes
46241.H64	64	8 / 4	-	Yes

Cams with alarm input

	Bullet				Dome			
	Cameras	Sensor (resolution)	Lens	In/out alarm	Cameras	Sensor (resolution)	Lens	In/out alarm
Varifocal lens	46216.310E H.265 - H.264	5 Mpx (2592 x 1944)	3,6 - 10 mm	1 / 1	46226.310E H.265 - H.264	5 Mpx (2592 x 1944)	3,6 - 10 mm	1 / 1
	46216.312DM H.265 - H.264	4 Mpx (2592 x 1520)	3,3 - 12 mm (motorised)	1 / 1	46226.312DM H.265 - H.264	4 Mpx (2592 x 1520)	3,3 - 12 mm (motorised)	1 / 1
	46216.312DMA H.265 - H.264	4 Mpx (2592 x 1520)	3,3 - 12 mm (motorised)	1 / 1	46226.312DMA H.265 - H.264	4 Mpx (2592 x 1520)	3,3 - 12 mm (motorised)	1 / 1
	46216.312D.01 H.265 - H.264	4 Mpx (2592 x 1520)	3,3 - 12 mm	1 / 1	46226.312D.01 H.265 - H.264	4 Mpx (2592 x 1520)	3,3 - 12 mm	1 / 1
	46216.312C.01 H.265 - H.264	3 Mpx (2304 x 1296)	3,3 - 12 mm	1 / 1				

	PTZ		
Cameras	Sensor (resolution)	Lens	In/out alarm
46235.020C H.265 - H.264	3 Mpx (2048 x 1536)	5,5 - 110 mm	7 / 1

Videosurveillance system

TVCC AHD systems
The example shows an AHD CCTV system with slewing control.

46901.015

COAX

46512.036B

46901.015

COAX

46516.212C

46901.015

COAX

UTP

46862.B02

46526.213D

46862.B02

COAX

46535.020B

Power unit
supplied

COAX

46535.020B

Power unit
supplied

230 Vac

46910.H24A

VGA/HDMI

COAX

46540.D08

COAX   RS485

RS485

46916.004
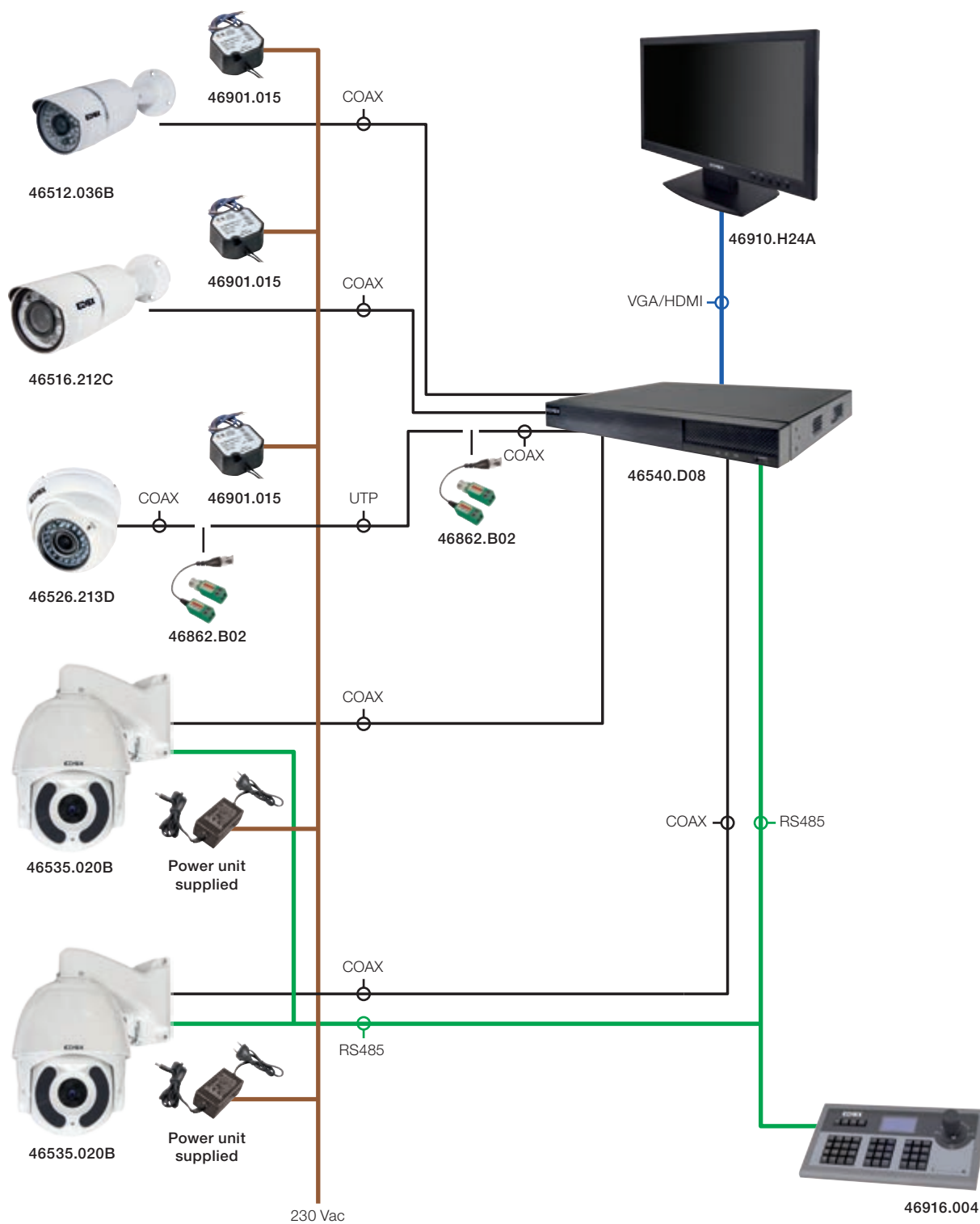
Videosurveillance system

CCTV system mixed IP and AHD
The example shows a CCTV system with the integration of AHD and IP technologies and centralization with DVR/NVR.

46226.310E   46223.036D   46216.312DMA   46235.020C   46222.036B   46212.036B

LAN   LAN   LAN   Power unit supplied   LAN   LAN

LAN

Switch inside the NVR

46260.10P   LAN   LAN

LAN

46241.H08

LAN

Router

CVM software or Web interface

LAN

Router

Internet

46540.H16

APP SuperLive Plus

LAN

Router

46901.015   COAX

46512.036B

46901.015   COAX

46526.212B

46540.D08

46901.015   COAX

46523.036B

46902.010   COAX

46516.213D

46902.010   COAX

46522.028C

230 Vac   230 Vac

Videosurveillance system

CCTV system integrated with the video door entry system

Flat 1

Flat 2

Smartphone
with app
Video Door

40607
Tab 7S IP video
entryphone

Router 1

Internet

Router 1 Wi-Fi coverage

40607
Tab 7S IP video
entryphone

Smartphone
with app
Video Door

Router 2

Internet

Router 2 Wi-Fi coverage

40605
Tab 7 IP video
entryphone

40607
Tab 7S IP video
entryphone

LAN

PoE switch

LAN

46241.H04
H.265 4-channel NVR

LAN

40636

LAN

LAN

46222.036B
Dome IP
camera

46216.212B
Bullet IP
camera

Open door
control

Electric lock

IP audio/video
entrance panel with
transponder reader,
Pixel series

In 1 | Out 1
(NO-C) | Out 2
(NO-C) | In 2

Grarage door
control

Garage door

Note: example based on LAN network dedicated to the video door entry system. The passive cabling system and the active devices can change according to the type of the established network for the specific application.

ELVOX CCTV
Videosurveillance system

CCTV system control from By-me and By-alarm systems

The example shows a CCTV system realized with IP cameras connected to an AHD DVR and Wi-Fi router by means of a switch.
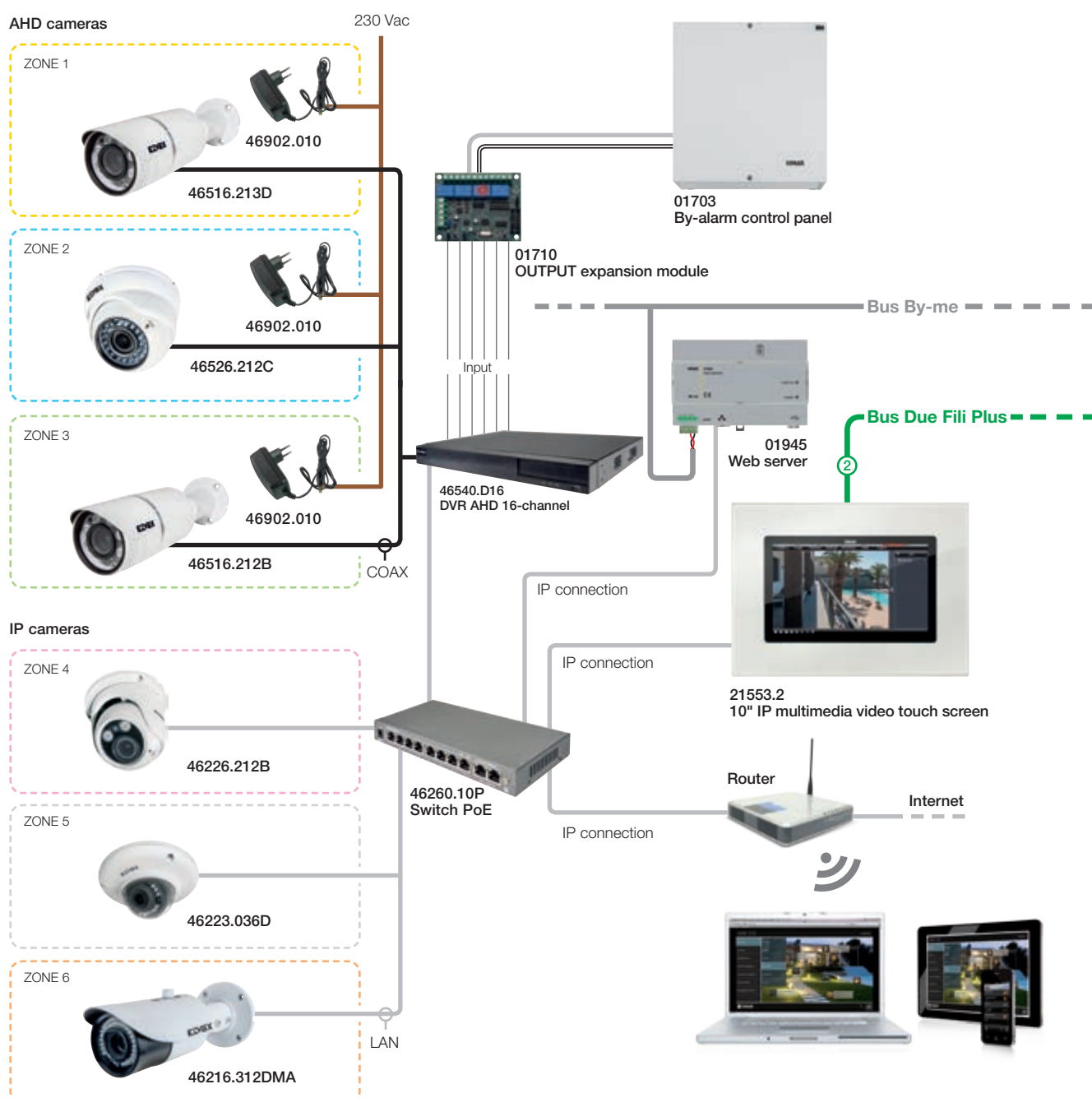
The IP 10" multimedia video touchscreen, where the CCTV Controller is installed, enables the visualization and control of the IP cameras connected to Wi-Fi router.

In addition, through the "Telecamere" application it is possible displaying the images filmed from Due Fili Plus flush mounting cameras (1-module or 2-module) o from entrance panels.

Through the router, the images filmed from IP camers can be displayed into the smartphone or tablet, as long as they are provided of Superlive Plus app or into the PC provided with an internet browser.

In the system, the By-alarm control unit (01703) by means the OUTPUT expansion module (01710) is connected the DVR, when the By-alarm system detects an intrusion in the zone 2, an alarm is activated and the DVR will activate the recording of the images.

AHD cameras

230 Vac

ZONE 1
46902.010
46516.213D

ZONE 2
46902.010
46526.212C

ZONE 3
46902.010
46516.212B
COAX

Input

01703
By-alarm control panel

01710
OUTPUT expansion module

Bus By-me

01945
Web server

Bus Due Fili Plus

46540.D16
DVR AHD 16-channel

IP connection

②

21553.2
10" IP multimedia video touch screen

IP cameras

ZONE 4
46226.212B

ZONE 5
46223.036D

ZONE 6
46216.312DMA
LAN

46260.10P
Switch PoE

IP connection

IP connection
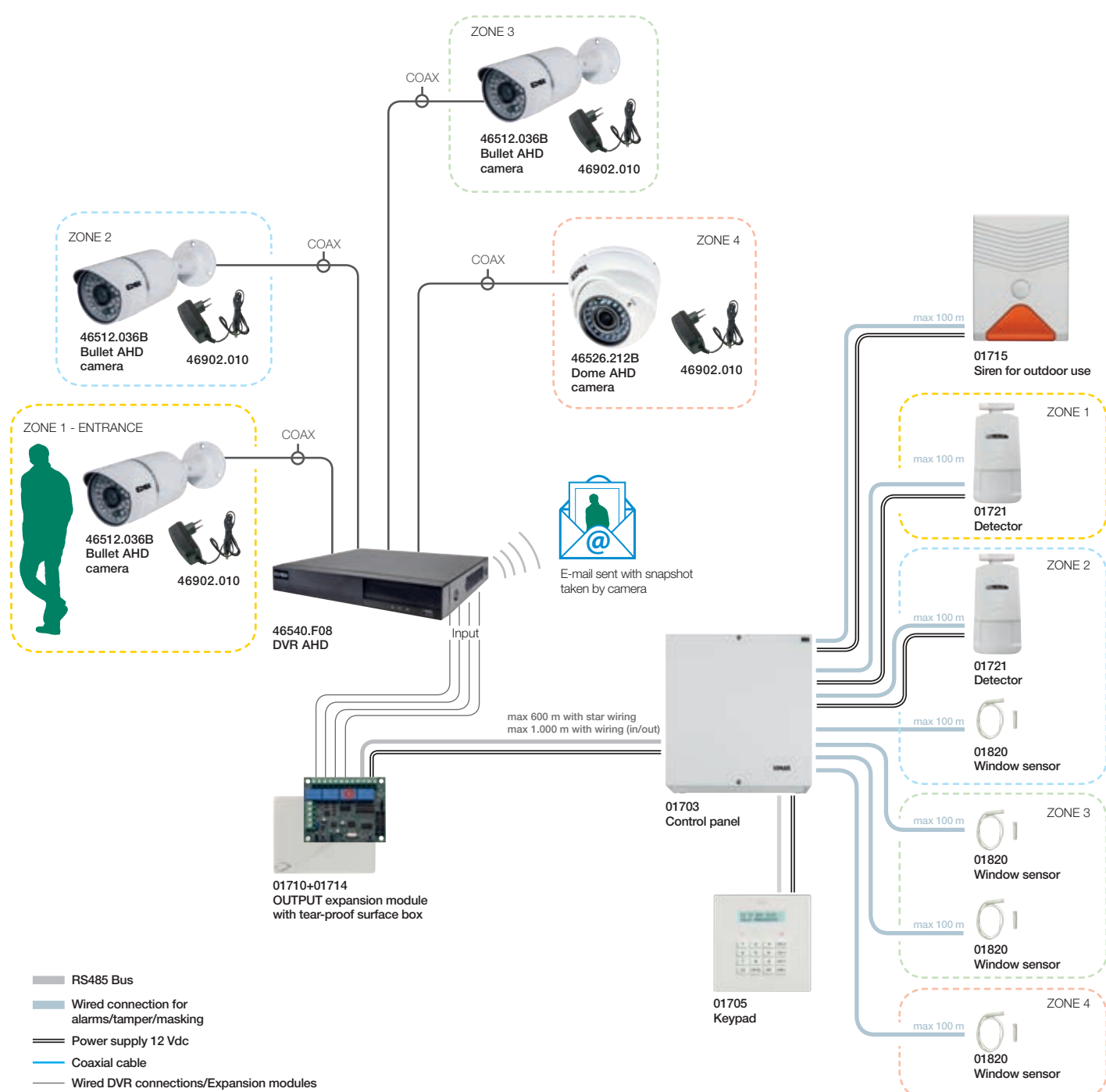
IP connection

Router

Internet

ELVOX CCTV
Videosurveillance system

By-alarm kit integrated to a CCTV system

The example shows a system composed of a pre-configured kit 0K01703 with the OUTPUT expansion module (01710) to whom is connected an AHD DVR (46540.F08) of the CCTV system. When the By-alarm system detects an intrusion in the zone 2, it will send an alarm via the output where the DVR is connected and the DVR will activate the recording of the images. In addition the DVR will send an e-mail with the recorded image to the predetermined addresses.

The kit is provided of a control unit (01703) extendable up to 64 zones, a backlighting keypad for the configuration/control of the By-alarm system, an outdoor siren (01715) for surface mounting, 2 double technology detectors (01721) and 4 magnetic contacts for windows control.

ZONE 3

COAX

46512.036B Bullet AHD camera

46902.010

ZONE 2

COAX

46512.036B Bullet AHD camera

46902.010

COAX

ZONE 4

46526.212B Dome AHD camera

46902.010

01715
Siren for outdoor use

max 100 m

ZONE 1 - ENTRANCE

COAX

46512.036B Bullet AHD camera

46902.010

E-mail sent with snapshot taken by camera

max 100 m

ZONE 1

01721
Detector

ZONE 2

max 100 m

01721
Detector

max 100 m

46540.F08 DVR AHD

Input

01820
Window sensor

max 600 m with star wiring
max 1.000 m with wiring (in/out)

01703
Control panel

max 100 m   ZONE 3

01820
Window sensor

01710+01714 OUTPUT expansion module with tear-proof surface box

max 100 m

01820
Window sensor

01705
Keypad

ZONE 4

max 100 m

01820
Window sensor

- RS485 Bus
- Wired connection for alarms/tamper/masking
- Power supply 12 Vdc
- Coaxial cable
- Wired DVR connections/Expansion modules

VIMAR