New AHD technology.
High definition covers long distances.

AHD
NEW
TECHNOLOGY

ELVOX

ZOOM

New AHD analogue technology.

Premium performance, high adaptability and full integration.

AHD analogue, the new video surveillance technology. An HD video transmission system via coaxial cable, with 720p signal transmission with progressive scan, even over long distances. A high-performing technology with zero latency, reproducing clear images in different lighting conditions, using image improvement functions including WDR, BLC, HSBLC, 3DNR, DEFOG.

It is fully integrated with standard and Pro analogue range and helps to expand existing systems, with the safety of using top technology products that can be managed from home automation systems.

A common platform.

All Elvox video surveillance technologies, including the new AHD, are developed from components that are all characterised by simple use, easy installation, safety and component integration. To guarantee the highest application quality in any situation.

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/NVR of all four Elvox technologies, for a total of over 8,000 cameras.

Continuous security.
Every DVR/NVR has a specific hard disk for video surveillance applications, designed for continuous operation, 24/7.

10" Multimedia Video Touchscreen.
All Elvox CCTV technologies are managed from the multimedia video touch screen used in home automation systems (By-me and Well-contact Plus KNX).

A complete range for every technology.
Bullet and Dome cameras with both fixed focus and varifocal optics, box cameras with a range of lenses, PTZ tilt cameras and DVR and NVR recording devices, all with the same user interface.

AHD analogue range.

Easy installation and high resolution: advanced products, top technology.

Attention to detail is essential, and with AHD technology, high definition recording and viewing are qualities you just can't do without. Innovative easy to configure cameras, by selecting the video output of the AHD camera in CVBS analogue. OSD function settings for image improvement. Different types of DVR with 4, 8 and 16 channels, fully compatible with analogue cameras.
Versatile and complete solutions designed for total control, managed from the home automation 10" multimedia video touch screen.

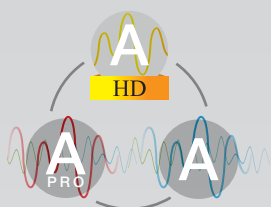| PLUG&PLAY | QR CODE | CVM | CONTINUOUS SECURITY | MULTIMEDIA VIDEO TOUCH SCREEN | COMPLETE RANGE |

One technology,
many advantages.

High resolution over long distances.
Cameras with 1.3 Mpx sensor, transmitting HD resolution signals with zero latency over distances of up to 400 m using a standard RG59 coaxial cables.

Full integration with analogue technology.
AHD DVRs fully compatible with existing analogue systems, both for integration and extension as well as resolution upgrades, to satisfy all system needs.

Versatility.
A complete range of fixed focus and varifocal bullet and dome cameras with easy access to zoom and focus controls. The DVRs all have a 1 TB professional Hard Disk, record in realtime HD on all channels, support the analogue cameras and are controlled by home automation systems via the DVR Controller application (e.g. By-me and Well-contact Plus KNX).
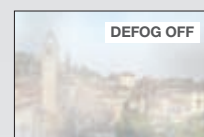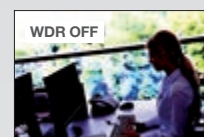
Easy to configure.
Easy camera installation and configuration using the OSD menu control mounted on the cable, used to switch between AHD and CVBS analogue signal.
The zoom and focus of the varifocal optics can therefore be controlled using a normal analogue videotester.

Total visibility.
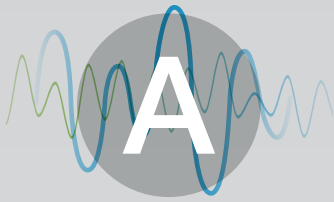WDR, BLC, HSBLC, 3DNR, 4 functions guaranteeing perfect visibility and well-defined contours, correcting the images in the case of strong backlighting, overexposure or darkness, via the simple OSD menu control configuration.
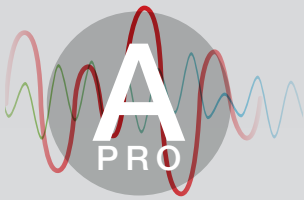
WDR OFF

WDR ON

Defined contours.
The Defog function fitted on the camera helps to improve images in bad weather, when recording with high humidity, rain or fog.

DEFOG OFF

DEFOG ON

Other video surveillance technologies.

Analogue.

The simplest choice, particularly for residential or small video surveillance needs. It combines good video signal transmission with high image resolution. And what's more, its easy to install.

Analogue PRO.

A more advanced solution, combining higher video resolution with the greatest technological performance, to guarantee excellent visibility in all weather conditions.

HD-SDI.

Full HD resolution with zero latency. The highest TV resolution available today. An HD-SDI system is installed just like a common analogue system, requiring no data network sizing and configuration skills.

IP.

Generates a digital video signal in a format ready for direct transmission on the data network. Without the need for analogue-digital conversion. The most advanced video surveillance technology, with excellent image resolution. With the Plug&Play mode the camera IP addresses no longer need to be configured.

Constantly evolving products.

The analogue range also covers IP.

The constant evolution of technologies requires the constant and progressive updating of our product ranges. In the analogue ranges, DVRs support the IP cameras, to update and integrate existing analogue systems with new HD and full HD resolution cameras.

The IP range expands to include new, latest generation products.

Video camera.

Bullet camera with 2 Mpx resolution, FULL HD with varifocal optics and 7-22 mm lens: ideal for capturing even the finest details. Completing the current range of 1.3 Mpx and 2 Mpx IP cameras in the catalogue.

Recorder.

New Plug&Play NVRs (Network Video Recorder) with alarm support and new 4 channel IP kits, perfect for small IP systems, and completing the range 8 and 16 channel IP kits.

Switch.

5 and 9 port Plug&Play switch.
With the PoE ports, the IP cameras are powered directly, simplifying installation.

AHD cameras

Fixed or varifocal outdoor Bullet AHD cameras

Models	▲ 46512.036	▲ 46516.212
Sensor	1/3" CMOS 1.3 Mpx	1/3" CMOS 1.3 Mpx
Actual pixels	1288 (H) x 968 (V)	1288 (H) x 968 (V)
Resolution	720p	720p
Sensitivity	0 Lux (IR LED ON)	0 Lux (IR LED ON)
Day & night	Mechanical ICR	Mechanical ICR
Lens	3.6 mm	2.8 - 12 mm
S/N Ratio	50 dB	50 dB
Shutter speed (PAL)	AUTO/FLICKER 1/25 - 1/50 000 s x2 - x30	AUTO/FLICKER 1/25 - 1/50 000 s x2 - x30
OSD	Yes (switch on cable)	Yes (switch on cable)
CVBS output video	Yes (signal switch by OSD)	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	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	30 m	50 m
Protection rating IP	IP66	IP66
Operating temperature	-10 °C / +50 °C	-10 °C / +50 °C
Power supply/consumption	12 V 300 mA	12 V 700 mA
Dimensions (mm)	76 x 112 x 182	80 x 118 x 261
Weight (g)	510	865

▲ New article

Fixed or varifocal outdoor Dome AHD cameras

Models	▲ 46522.036	▲ 46526.212
Sensor	1/3" CMOS 1.3 Mpx	1/3" CMOS 1.3 Mpx
Actual pixels	1288 (H) x 968 (V)	1288 (H) x 968 (V)
Resolution	720p	720p
Sensitivity	0 Lux (IR LED ON)	0 Lux (IR LED ON)
Day & night	Mechanical ICR	Mechanical ICR
Lens	3.6 mm	2.8 - 12 mm
S/N Ratio	50 dB	50 dB
Shutter speed (PAL)	AUTO/FLICKER 1/25 - 1/50.000 s x2 - x30	AUTO/FLICKER 1/25 - 1/50.000 s x2 - x30
OSD	Yes (switch on cable)	Yes (switch on cable)
CVBS output video	Yes (signal switch by OSD)	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	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	20 m	30 m
Protection rating IP	IP66	IP66
Operating temperature	-10 °C / +50 °C	-10 °C / +50 °C
Power supply/consumption	12 V 200 mA	12 V 300 mA
Dimensions (mm)	Ø 94 x 70	Ø 120 x 80
Weight (g)	570	1000

AHD DVR manageable from 10" multimedia video touchscreen (21553.1)

Models	▲ 46540.H04	▲ 46540.H08	▲ 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 HDMI, 1 VGA	1 HDMI, 1 VGA
Audio in/out	1/1	1/1	4/1
Resolution for recording	Real time HD 720P (AHD) or WD1 960x576 (CVBS analog): 4 CH@100 fps	Real time HD 720P (AHD) or WD1 960x576 (CVBS analog): 8 CH@200 fps	FullHD 1080P (AHD): 16 CH@200 fps. Real time HD 720P (AHD) or WD1 960x576 (CVBS analog): 16 CH@400 fps
VGA/HDMI resolution	1080P (1920 x 1080)	1080P (1920 x 1080)	1080P (1920 x 1080)
Hard drive interface	1 SATA (3 TB max)	1 SATA (3 TB max)	2 SATA (3 TB max)
In/out alarm	- / -	- / -	4/1
Network interface	1 RJ45 - 10/100 Mbps	1 RJ45 - 10/100 Mbps	1 RJ45 - 10/100 Mbps
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 SuperLive Pro APP	Android and iPhone with SuperLive Pro APP	Android and iPhone with SuperLive Pro APP
Video analysis	Motion Detection	Motion Detection	Motion Detection
Privacy filter	Yes	Yes	Yes
Interface	Front keypad, mouse, remote control	Front keypad, mouse, remote control	Front keypad, mouse, remote control
Power supply/consumption	12 V 2 A, 6 W (without HDD)	12 V 2 A, 8 W (without HDD)	12 V 2 A, 8 W (without HDD)
Operating temperature	0°C ÷ 50°C	0°C ÷ 50°C	0°C ÷ 50°C
Dimensions (mm)	255 x 212 x 45	300 x 270 x 58	430 x 300 x 55
Weight (kg)	2 (excluded HDD)	2 (excluded HDD)	2 (excluded HDD)

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

Transmission distance recommended for AHD 720p

Coaxial cable			Network cable	
RG59	46364.100 (3.3 mm HD coaxial, indoor installation)	46364.500 (6.3 mm HD coaxial, outdoor installation)	Passive balun (analog range)	Active balun (analog range)
400 m	270 m	500 m	200 m	Not allowed

The exceeding of these distances, the signal quality will progressively deteriorate.

WD1 (Real Time) analog DVR supports IP cameras and manageable from IP multimedia video touchscreen (21553.1)

Models	46840.W04	46840.W08	46840.W16
Video compressor	H264	H264	H264
Mode of operation	PENTAPLEX	PENTAPLEX	PENTAPLEX
Analog video input	4 Ch	8 Ch	16 Ch
Analog recording resolution	WD1, D1, HD1, CIF	WD1, D1, HD1, CIF	WD1, D1, HD1, CIF
Max analog cameras frame rate	WD1 @ 100 fps Real Time	WD1 @ 200 fps Real Time	WD1 @ 400 fps Real Time
IP cameras matching	Yes	Yes	No
No IP cameras connected to DVR (by ext.switch)	1 (in addition to 4 analog cameras)	4 (in addition to 8 analog cameras)	-
Max IP cameras frame rate	1 Ch HD @ 25 fps Real Time	4 Ch HD @ 100 fps Real Time or 4 Ch Full HD @ 50 fps Real Time	-
Video output	1 HDMI, 1 VGA, 1 BNC	1 HDMI, 1 VGA, 1 BNC, 1 SPOT	1 HDMI, 1 VGA, 1 BNC, 1 SPOT
VGA/HDMI resolution	1920 x 1080	1920 x 1080	1920 x 1080
Hard drive interface	1 SATA (3 TB max)	1 SATA (3 TB max)	1 SATA (3 TB max)
Hard disk drive	1 TB professional	1 TB professional	1 TB professional
Audio in/out	2 / 1	4 / 1	4 / 1
In/out alarm	- / -	8 / 1	16 / 1
Network interface	1 Ethernet 10/100/1000 Mbps	1 Ethernet 10/100/1000 Mbps	1 Ethernet 10/100/1000 Mbps
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 SuperLive Pro APP	Android and iPhone with SuperLive Pro APP	Android and iPhone with SuperLive Pro APP
Video analysis	Motion Detection	Motion Detection	Motion Detection
Privacy filter	Yes	Yes	Yes
Interface	Front keypad, mouse, remote control	Front keypad, mouse, remote control	Front keypad, mouse, remote control
Power supply/consumption	12 V 2 A	12 V 2 A	12 V 2 A
Operating temperature	0°C ÷ 50°C	0°C ÷ 50°C	0°C ÷ 50°C
Dimensions (mm)	255 x 212 x 45	300 x 270 x 58	300 x 270 x 58
Weight (kg)	2 (excluded HDD)	3.5 (excluded HDD)	3.5 (excluded HDD)
Notes			

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

CCTV
NVR and IP camera

Varifocal outdoor Bullet IP camera

Models	▲ 46216.722
	Full HD 1080
Sensor	1/2,8" CMOS Progressive Scan
Resolution	1921 x 1080 - 2 Mpx
Sensitivity	0 Lux (IR LED ON)
Video compression	H264
Day & night	ICR
Lens	7 - 22 mm
Main frame rate	30 fps (1920 x 1080) 30 fps (1280 x 720)
Secondary frame rate	10 fps (1280 x 720) 30 fps (640 x 480) 30 fps (320 x 240)
Bit Rate	64 Kbs - 8 Mbs
SD card	Yes, not included (64 GB max)
Audio in/out	1/1
In/out alarm	1/1
CVBS output video	Yes (video test)
Function	WDR, Smart IR, ROI, DeFog, 3DNR
Compatibility	ONVIF
IR range	50 - 70 m
Protection rating IP	IP66
Operating temperature	-10° C ~ +50° C
Power supply/ consumption	12 Vdc/PoE 800 mA, 9.6 W
Dimensions (mm)	109 x 109 x 360
Weight (g)	1700
Notes	RTSP. External Focus&Zoom control. Bracket included

PoE (Power over Ethernet): this enables using a single network cable for powering a peripheral device and data transmission. This technology is particularly useful in monitoring and IP surveillance applications where it is not always possible to connect the appliances directly to an electrical socket outlet.
IPTOOL: camera configuration software.
RTSP: function for connecting directly to the By-me home automation system without using NVR.

NVR with built-in PoE switch and manageable from IP multimedia video touchscreen (21553.1)

Models	▲ 46241.F04
	Full HD 1080
Video compression	H264
Mode of operation	PENTAPLEX
Video input	4 Ch
Video output	1 HDMI, 1 VGA, BNC
Audio in/out	1 / 1
Resolution for recording	Real Time 720P 4 Ch @ 100 fps; 1080P 4 Ch @ 50 fps
VGA/HDMI resolution	1080P (1920 x 1080)
In/out alarm	4/1
Network interface	1 RJ45 - 10/100/1000 Mbps integrated switch with 4 PoE RJ45 ports
Hard drive interface	1 SATA (max 3 TB)
Hard disk drive	1 TB professional
Plug & Play	Yes (on integrated PoE switch)
USB interface	2
RS485 PTZ control	Yes
CVM	Yes
QR CODE	Yes
Control via smartphone	Android and iPhone with SuperLive Pro APP
Video analysis	Motion detection
Privacy filter	Yes
Interface	Keypad, mouse, remote control
Power supply/ consumption	Double power supply unit +12 V 3 A, +48 V 1.04 A
Operating temperature	0°C ÷ +50°C
Dimensions (mm)	300 x 270 x 58
Weight (kg)	3.5 (excluded HDD)
Notes	

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

▲ New article

PoE ethernet switches

Models	▲ 46260.5P	▲ 46260.9P
PoE standard	IEEE 802.3at	IEEE 802.3at
PoE ports	4	8
Uplink ports	1	1
Mbps speed ports	10/100	10/100
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
PoE Power Output (per ports)	48 Vdc, 320 mA/30 W max	48 Vdc, 320 mA/30 W max
Total PoE power	50 W max	110 W max
PoE mode	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: 48 Vdc, 2.5 A 120 W max
Operating temperature	0° C ÷ +50° C	0° C ÷ +50° C
Dimensions (mm)	117 x 84 x 29	185 x 103 x 28

CCTV kit with 4-channel WD1 DVR

▲ **46850.412D**
Kit with:
no. 1 Real Time 4-channel
WD1 DVR 46840.W04,
no. 2 cameras 46812.036D,
no. 2 power supplies 46902.015,
no. 1 sign RT03.

▲ **46850.416D**
Kit with:
no. 1 Real Time 4-channel
WD1 DVR 46840.W04,
no. 2 cameras 46816.212D,
no. 2 power supplies 46902.015,
no. 1 sign RT03.

CCTV kit with 8-channel WD1 DVR

▲ **46850.816D**
Kit with:
no. 1 Real Time 8-channel
WD1 DVR 46840.W08,
no. 2 cameras 46816.212D,
no. 2 power supplies 46902.015,
no. 1 sign RT03.

CCTV kit with 4-channel AHD DVR

▲ **46550.412**
Kit with:
no. 1 HD Real Time 4-channel
AHD DVR 46540.H04,
no. 2 cameras 46512.036,
no. 2 power supplies 46902.015,
no. 1 sign RT03.

▲ **46550.416**
Kit with:
no. 1 HD Real Time 4-channel
AHD DVR 46540.H04,
no. 2 cameras 46516.212,
no. 2 power supplies 46902.015,
no. 1 sign RT03.

CCTV kit with 8-channel AHD DVR

▲ **46550.816**
Kit with:
no. 1 HD Real Time 8-channel
AHD DVR 46540.H08,
no. 2 cameras 46516.212,
no. 2 power supplies 46902.015,
no. 1 sign RT03.

IP CCTV kit with 4-channel NVR

▲ **46250.412A**
Kit with:
no. 1 HD Real Time 4-channel
NVR 46241.F04, with
integrated PoE switch,
no. 2 cameras 46212.004,
no. 1 sign RT03.

▲ New article