



Comelit CCTV

Domenico Barone

Export HEAD of SALES CCTV

Comelit CCTV: two ranges, one family

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Serie Next -Standard range-



- Complete CCTV entry level range (cameras and recorders)
- Ideal for small and medium systems (up to 16 cameras)
- Simple but complete range of cameras
- Video analysis (human/vehicle detection)
- Competitive prices

Comelit CCTV: two ranges, one family

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Serie Advance -Professional Range-



- Complete CCTV professional level range (cameras and recorders)
- Ideal for all the systems, both small, medium and big ones (up to 128 cameras)
- Professional video analysis functions (human/vehicle detection, face recognition, metadata analysis, audio detection and more)
- Complete range of cameras that covers any need (plate recognition camera, PTZ cameras, thermal cameras etc)

Apparently two distinct CCTV ranges, but...

Comelit CCTV: two ranges, one family

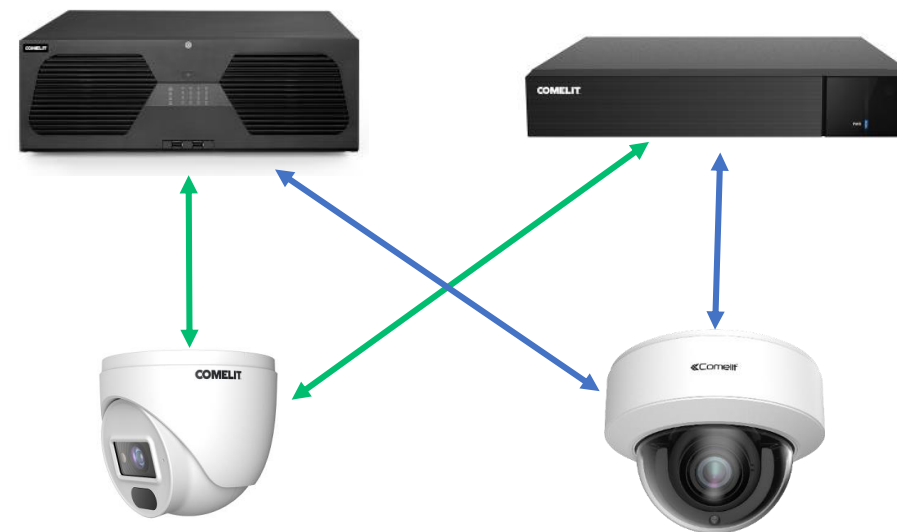
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...they are part of the same family, Comelit CCTV!

Full compatibility between the two series. They use the same **Comelit** proprietary protocol



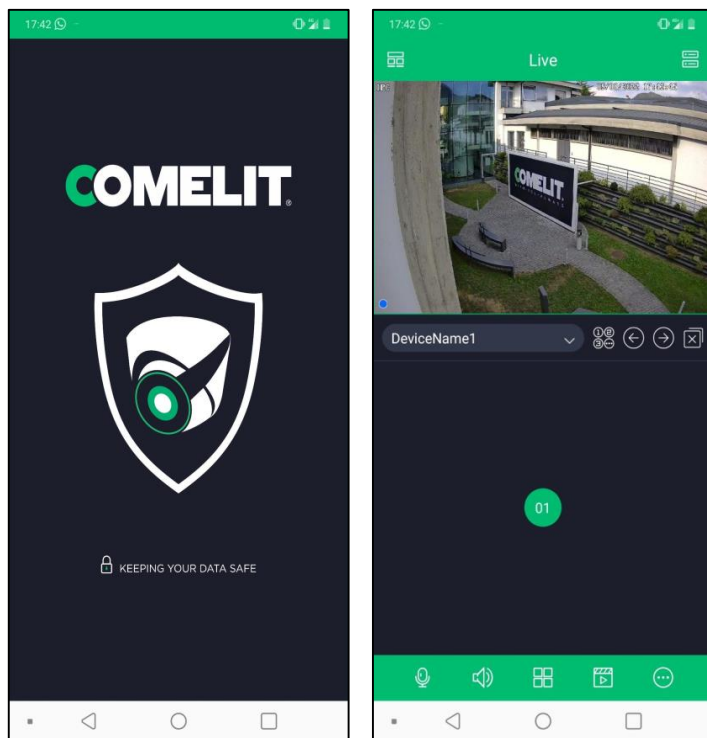
Next cameras can be used on **Advance** NVR and **Advance** cameras on **Next** NVR in any possible combination, without limitations or particular precautions



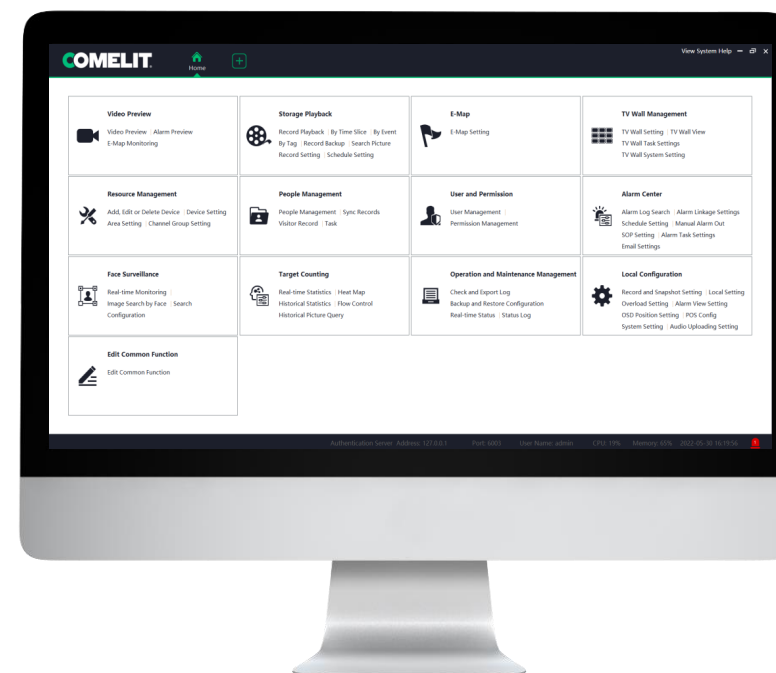
Comelit CCTV: two ranges, one family

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A single app to manage all our
video surveillance:
Comelit CCTV



A single VMS to manage all
our video surveillance:
Comelit CCTV Manager



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Comelit CCTV: two ranges, one family

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Easy and quick
commissioning
through our
professional
app **MyComelit**



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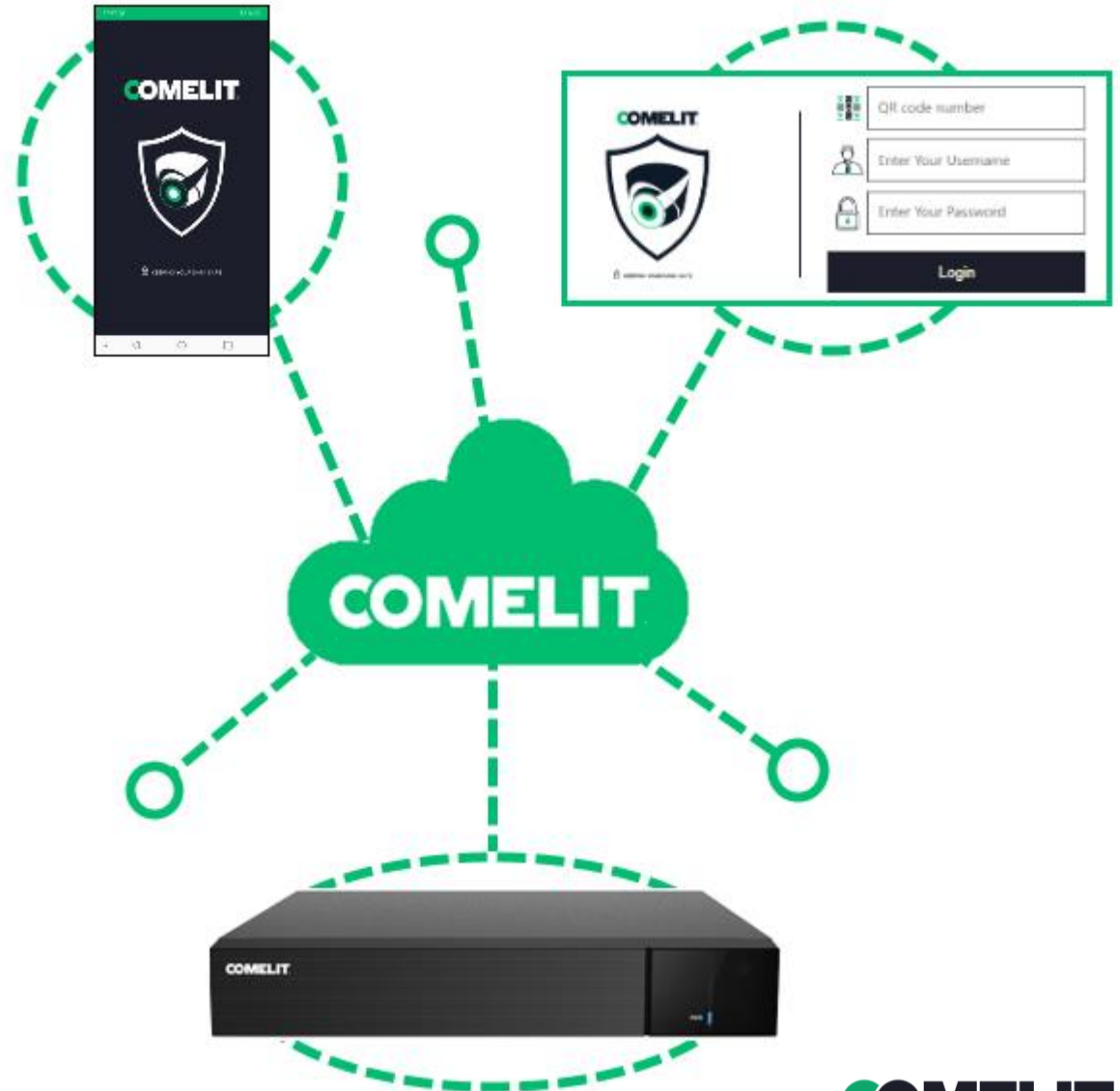
Comelit CCTV P2P Cloud

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Comelit CCTV: P2P cloud

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- P2P communication between Comelit CCTV app and all Next and Advance NVRs and AHDVRs
- P2P communication between Comelit CCTV Manager VMS and all Next and Advance NVRs and AHDVRs
- Dedicated web interface that allows P2P connection to every Advance/Next NVR from any browser, for casual use or for remote technical assistance and programming
→ <https://www.comelitadvance.com/>



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Comelit CCTV: P2P cloud

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P2P connection is possible through a cloud handled directly by Comelit: we are not relying on any third-party cloud service provider!



The servers are physically located in Europe, most precisely in Frankfurt, Germany. Various redundancy, backup and encryption measures are implemented to ensure secure communication, reliability and high connection speed, as well as sophisticated security measures through IA tools and machine learning grant protection against external attacks

The cloud server infrastructure has been created in collaboration with AWS (Amazon Web Service), which is the most used cloud computing company in the world (32% of the market) and it works in very important sectors like banks, army, healthcare and so on



[What is AWS Security?](#)

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The standard series: Next

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Next series: Hybrid ColorUP

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ColorUp
Cameras



Next series: Basic IP Cameras

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	IPTCAMN04F01CUA	IT04N2Z01A	IPBCAMN04F01CUA	IB04N2Z01A
Resolution	4 MP (2560 x 1440)	4 MP (2560 x 1440))	4 MP (2560 x 1440)	4 MP (2560 x 1440)
Lens	2.8 mm	2.8-12 mm AF motorized lens	2.8 mm	2.8-12 mm AF motorized lens
Frame rate	4MP @ 25fps	4MP @ 25fps	4MP @ 25fps	4MP @ 25fps
Night illumination	Hybrid: White LED Light (20m) + Smart IR (20m)	Hybrid: White LED Light (20m) + Smart IR (30m)	Hybrid: White LED Light (20m) + Smart IR (20m)	Hybrid: White LED Light (20m) + Smart IR (30m)
WDR	D-WDR	D-WDR	D-WDR	D-WDR
Video analysis	Line crossing, area intrusion, motion detection	Line crossing, area intrusion, motion detection	Line crossing, area intrusion, motion detection	Line crossing, area intrusion, motion detection
SD Card Slot	-	-	-	-
Audio I/O	1 (microphone) / -	1 (microphone) / -	1 (microphone) / -	1 (microphone) / -
IP/IK rating	IP67 - IK10	IP67 - IK10	IP67 - IK10	IP67 - IK10

Next series: Standard IP Cameras

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	IB04N2FA	IB04N2ZA	IB08N2FA	IB08N2ZA
Resolution	4 MP (2560 x 1440)	4 MP (2560 x 1440)	8MP (3840 x 2160)	8MP (3840 x 2160)
Lens	2.8 mm	2.8-12 mm autofocus motorized lens	2.8 mm	2.8-12 mm autofocus motorized lens
Frame rate	4MP @ 25fps	4MP @ 25fps	8MP @ 20fps	8MP @ 20fps
Night illumination	Hybrid: White LED Light (20m) + Smart IR (20m)	Hybrid: White LED Light (30m) + Smart IR (30m)	Hybrid: White LED Light (20m) + Smart IR (20m)	Hybrid: White LED Light (30m) + Smart IR (30m)
WDR	WDR 120dB	WDR 120dB	WDR 120dB	WDR 120dB
Video analysis	Line crossing/area intrusion (with human/vehicle detection), motion detection	Line crossing/area intrusion (with human/vehicle detection), motion detection	Line crossing/area intrusion (with human/vehicle detection), motion detection	Line crossing/area intrusion (with human/vehicle detection), motion detection
Slot SD Card	micro SD Card (max 256GB)	micro SD Card (max 256GB)	micro SD Card (max 256GB)	micro SD Card (max 256GB)
Audio I/O	1 (jack 3.5mm) + 1 (mic) / -	1 (jack 3.5mm) + 1 (mic) / -	1 (jack 3.5mm) + 1 (mic) / -	1 (jack 3.5mm) + 1 (mic) / -
IP/IK rating	IP67 - IK10	IP67 IK10	IP67 - IK10	IP67 - IK10

Next series: Standard IP Cameras

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	IT04N2FA - IT04N2FAB	IT04N2ZA - IT04N2ZAB	IT08N2FA	IT08N2ZA
Resolution	4 MP (2560 x 1440)	4 MP (2560 x 1440)	8MP (3840 x 2160)	8MP (3840 x 2160)
Lens	2.8 mm	2.8-12 mm autofocus motorized lens	2.8 mm	2.8-12 mm autofocus motorized lens
Frame rate	4MP @ 25fps	4MP @ 25fps	8MP @ 20fps	8MP @ 20fps
Night illumination	Hybrid: White LED Light (20m) + Smart IR (20m)	Hybrid: White LED Light (30m) + Smart IR (30m)	Hybrid: White LED Light (20m) + Smart IR (20m)	Hybrid: White LED Light (30m) + Smart IR (30m)
WDR	WDR 120dB	WDR 120dB	WDR 120dB	WDR 120dB
Video analysis	Line crossing/area intrusion (with human/vehicle detection), motion detection	Line crossing/area intrusion (with human/vehicle detection), motion detection	Line crossing/area intrusion (with human/vehicle detection), motion detection	Line crossing/area intrusion (with human/vehicle detection), motion detection
Slot SD Card	micro SD Card (max 256GB)	micro SD Card (max 256GB)	micro SD Card (max 256GB)	micro SD Card (max 256GB)
Audio I/O	1 (jack 3.5mm) + 1 (mic) / -	1 (jack 3.5mm) + 1 (mic) / -	1 (jack 3.5mm) + 1 (mic) / -	1 (jack 3.5mm) + 1 (mic) / -
IP/IK rating	IP67 - IK10	IP67 - IK10	IP67 - IK10	IP67 - IK10

Next series: IPNVRs

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	NIPNVR004N06PA	NIPNVR008N06PA	NIPNVR016N08PA	NIPNVR016N08NA
IP channels	4 CH	8 CH	16 CH	16 CH
PoE ports	4x Ethernet (10 / 100Mbps) PoE (IEEE802.3af)	8x Ethernet (10 / 100Mbps) PoE (IEEE802.3af)	16x Ethernet (10 / 100Mbps) PoE (IEEE802.3af)	-
Max recording resolution	6MP	6MP	8MP	8MP
Video analysis	It can use the DVA functionalities of the connected cameras (Next/Advance)	It can use the DVA functionalities of the connected cameras (Next/Advance)	It can use the DVA functionalities of the connected cameras (Next/Advance) + <u>Car Plate Comparison</u>	It can use the DVA functionalities of the connected cameras (Next/Advance) + <u>Car Plate Comparison</u>
Video output	1 HDMI , 1 VGA (1920x1080)	1 HDMI , 1 VGA (1920x1080)	1 HDMI (4K) , 1 VGA (1920x1080)	1 HDMI (4K) , 1 VGA (1920x1080)
Bandwidth	40Mbps	64Mbps	160Mbps	160Mbps
HDD interface	1 SATA (max 10TB)	1 SATA (max 10TB)	2 SATA (max 10TB)	2 SATA (max 10TB each)
Included HDD	NIPNVR004N06PA : 1TB NIPNVR004N06PASL : NO HDD	NIPNVR008N06PA : 1TB NIPNVR008N06PASL : NO HDD	NIPNVR016N08PA : 2TB NIPNVR016N08PASL : NO HDD	NIPNVR016N08NA : 2TB NIPNVR016N08NASL : NO HDD
Alarm I/O	N.A.	N.A.	N.A.	4/1

Next series: AHDVRs

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	AHDVR004N05A	AHDVR008N05A	AHDVR016N05A
Analog channels	4 BNC (AHD - TVI - CVI - CVBS)	8 BNC (AHD - TV - CVI - CVBS)	16 BNC (AHD - TVI - CVI - CVBS)
Max recording resolution	5MP	5MP	5MP
IP channels	Max 2; up to 5MP @ 25fps	Max 4; up to 5MP @ 25fps	Max 8; up to 5MP @ 25fps
Hybrid mode	4ch analog + 2ch IP	8ch analog + 4ch IP	16ch analog + 8ch IP
Video analysis	It can use all the DVA functionalities of the connected cameras (Next/Advance) + motion detection on AHD cams	It can use all the DVA functionalities of the connected cameras (Next/Advance) + motion detection on AHD cams	It can use all the DVA functionalities of the connected cameras (Next/Advance) + motion detection on AHD cams
Video output	1 HDMI , 1 VGA (1920x1080) , 1 BNC (CVBS , spot monitor)	1 HDMI , 1 VGA (1920x1080) , 1 BNC (CVBS , spot monitor)	1 HDMI , 1 VGA (1920x1080) , 1 BNC (CVBS , spot monitor)
HDD interface	1 SATA (max 10TB)	1 SATA (max 10TB)	1 SATA (max 10TB)
Included HDD	AHDVR004N05A : 1TB AHDVR004N05ASL : no HDD	AHDVR008N05A : 1TB AHDVR008N05ASL : no HDD	AHDVR016N05A : 2TB AHDVR016N05ASL : no HDD
Alarm I/O	-	-	-
Audio I/O	1/1	1/1	1/1

Next series: AHD cameras

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	AB04N0FA	AB04N1ZA	AT04N0FA	AT04N1ZA
Resolution	4 MP (2560 x 1440)	4 MP (2560 x 1440)	4 MP (2560 x 1440)	4 MP (2560 x 1440)
Lens	2.8 mm	2.8-12 mm autofocus motorized lens	2.8 mm	2.8-12 mm autofocus motorized lens
Frame rate	4MP @ 25fps	4MP @ 25fps	4MP @ 25fps	4MP @ 25fps
Night illumination	White LED Light (30m)	Smart IR (50m)	White LED Light (30m)	Smart IR (50m)
WDR	D-WDR	D-WDR	D-WDR	D-WDR
Video output	AHD – TVI – CVI – CVBS	AHD – TVI – CVI – CVBS	AHD – TVI – CVI – CVBS	AHD – TVI – CVI – CVBS
Video output selection	Hardware, pression of a dedicated button for 5s	Hardware, pression of a dedicated button for 5s	Hardware, pression of a dedicated button for 5s	Hardware, pression of a dedicated button for 5s
IP/IK rating	IP67	IP67	IP67	IP67

Next cameras with deterrence



- **IB04N3FA**
- **IB04N3ZA**
- **IT04N3FA**
- **IT04N3ZA**



Next cameras with deterrence

- **IR LEDs / Color Up**
- **Red and blue LEDs**
- **Two-way audio**
- **Preset and customizable messages**
- **P2P**



Audio alarm and LED

Sistema Info. di base Data e ora Config locale Archiviazione	Config Home ► Allarme ► Audio Alarm
Immagine Imp. visualizz Video/Audio OSD Maschera video Config ROI Focus Luce supplementare intelligente	Configurazione audio Programmazion
Allarme Motion detection Anomalia Server allarmi Audio Alarm Allarme luminoso Eccezione Disinserimento	☒ Abilita
Evento Oggetto rimosso Attraversamento linea Intrusione	Configurazione voce
	Voce di avvertimento Italiana
	Voce Attenzione: non arrampicarsi Ascolta
	Ora avvertimento 1 tempi
	Volume 100 OK

Sistema Info. di base Data e ora Config locale Archiviazione	Config Home ► Evento ► Attraversamento linea
Immagine Imp. visualizz Video/Audio OSD Maschera video Config ROI Focus Luce supplementare intelligente	Configura rilevamento Programmazion Collegamento
Allarme Motion detection Anomalia Server allarmi Audio Alarm Allarme luminoso Eccezione Disinserimento	☐ Attiva allarme audio
Evento Oggetto rimosso Attraversamento linea Intrusione	☒ Attiva allarme luminoso
	☐ Attiva istantanea
	☐ Attiva registrazione SD
	☐ Attiva email
	☐ Attiva FTP
	Salva

Pre-configured messages and configurable

**Sistema**
Info. di base | Data e ora |
Config locale | Archiviazione

**Immagine**
Imp. visualizz | Video/Audio |
OSD | Maschera video |
Config ROI | Focus |
Luce supplementare intelligente

**Allarme**
Motion detection | Anomalia |
Server allarmi | Audio Alarm |
Allarme luminoso | Eccezione |
Disinserimento

**Evento**
Oggetto rimosso |
Attraversamento linea | Intrusione

Config Home ▶ Allarme ▶ Audio Alarm

Configurazione audio

Programmazione

☒ Abilita

Configurazione voce

Voce di avvertimento

Italiana

Voce

Attenzione: non arrampici

Ascolta

Ora avvertimento

Area non autorizzata, uscire subito.

Volume

Area pericolosa, non avvicinarsi!

Non parcheggiare in quest'area!

Siete entrati nell'area monitorata dal sistema TVCC in tempo reale.

Benvenuti.

Non toccare oggetti di valore!

Area privata. Non entrare!

Attenzione: pericolo acque profonde!

**Sistema**
Info. di base | Data e ora |
Config locale | Archiviazione

**Immagine**
Imp. visualizz | Video/Audio |
OSD | Maschera video |
Config ROI | Focus |
Luce supplementare intelligente

**Allarme**
Motion detection | Anomalia |
Server allarmi | Audio Alarm |
Allarme luminoso | Eccezione |
Disinserimento

**Evento**
Oggetto rimosso |
Attraversamento linea | Intrusione

**Rete**
TCP/IP | Porta | Altro...

Config Home ▶ Allarme ▶ Audio Alarm

Configurazione audio

Programmazione

☒ Abilita

Configurazione voce

Voce di avvertimento

Personalizza

Voce

Select

Ascolta

Elim.

Ora avvertimento

1

tempi

Volume

100

Carica audio

Carica percorsi

Nessun file selezionato

Seleziona il file

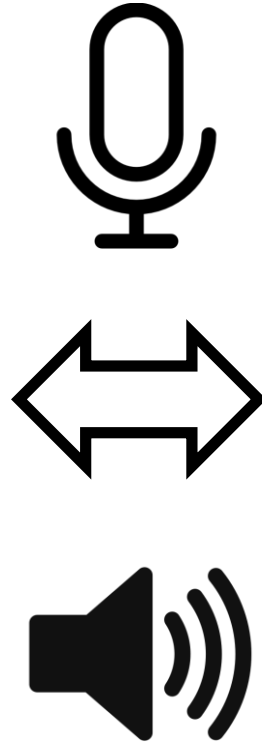
Nome audio

Carica

Suggerimenti: formato audio (WAV, 8000Hz, singolo canale audio, 16bit, meno di 200K)

OK

2-Ways Audio



Intrusion App's notification





New Next 6MP Cameras

New Next 6MP Cameras

IB06N2FA IB06N2ZA IT06N2FA IT06N2ZA

- **P2P 2.0 Connection**
- **6MP Hybrid Cameras**
- **IR + ColorUp LED**
- **Full metal housing**
- **Video analysis with target recognition**
- **Same accessories of 4/8MP cameras**
- **Competitive pricing**



New Next 6MP Cameras

The white LED control for ColorUp cameras becomes even smarter. Now, in Dual Light mode, you can set a detection area and specific reference targets (just like a standard AI function).

 System

Basic Information | Date and Time | Local Config | Storage

 Image

Display Settings | Video/Audio | OSD | Video Mask | ROI Config | Smart Supplement Light

 Alarm

Motion Detection | Exception Alarm | Alarm Server | Video Exception

 Event

Object Abandoned/Missing | Line Crossing | Region Intrusion

Config Home ▶ Image ▶ Smart Supplement Light



Draw Area

Clear

Alarm Area

1

Detection target and sensitivity

Target	Sensitivity
☒ Human	50
☐ Motor Vehicle	50
☐ Non-motor Vehicle	50

Duration

10

Seconds

Save

NB: the target 'Human' will always be active!

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The professional series: Advance

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Comelit CCTV: Advance series

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IP CAMERAS

- Resolutions up to 4K
- Smart Codec H-265
- 3 Streamings
- True WDR 120dB
- Smart IR
- Micro-SD card (up to 256 GB)
- ONVIF protocol profile M
- HTML5 web interface
- IP67 – IK10 rating
- Complete range of accessories
- **NDAA compliant** 
- **Deep Video Analysis (human/vehicle detection, face detection, metadata analysis)**
- **Special cameras (thermal detection, LPR, PTZ etc.)**

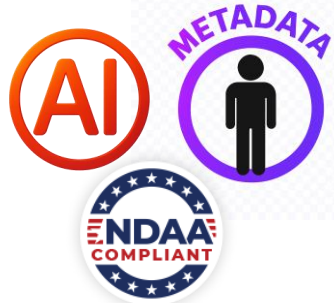


** features may vary based in different IPC models*

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Advance series: 4MP IP cameras

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	IPTCAMA04FC IPTCAMA04FCB	IPTCAMA04ZC IPTCAMA04ZCB	IPKCAMA04FC	IPKCAMA04ZC
Resolution	4MP (2592 x 1520)	4MP (2592 x 1520)	4MP (2592 x 1520)	4MP (2592 x 1520)
Lens	2.8 mm	2.8-12 mm AF motorized lens	2.8 mm	2.8-12 mm AF motorized lens
Frame rate	4MP @ 25fps	4MP @ 25fps	4MP @ 25fps	4MP @ 25fps
IR	30m (Smart IR)	50m (Smart IR)	20m (Smart IR)	50m (Smart IR)
WDR	120dB	120dB	120dB	120dB
DVA	Face detection, face capture, human/vehicle classification (line crossing detection, area intrusion detection, target counting), metadata analysis, audio anomaly detection, illegal parking detection, loitering detection, motion detection, scene change detection, video tampering detection			
SD Card Slot	Micro-SD (256GB max)	Micro-SD (256GB max)	Micro-SD (256GB max)	Micro-SD (256GB max)
Alarms I/O	-	-	-	1 / 1
Audio I/O	1 (jack 3.5m) + 1 (mic) / -	1 (jack 3.5m) + 1 (mic) / -	1 (jack 3.5m) + 1 (mic) / -	1 (jack 3.5mm) / 1 jack 3.5mm)
IP/IK rating	IP67 / IK10	IP67 / IK10	IP67 / IK10	IP67 / IK10

Advance series: New Vandaldome

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IPKCAMA04FD

Replaces IPKCAMA04FC

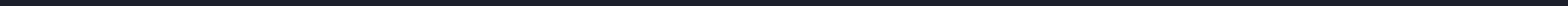
- **4MP**
- **Fix focal 2.8mm**
- **Full metal housing**
- **Chipset Improvements**
- **Same accessories**





IP04A1Z03A

Advance Series 4MP 3X MINIPTZ IP CAMERA



Mini PTZ 4Mpx Zoom 3X

Tech. Features

- Sizes (diameter 11 cm / height 7.5 cm)
- IR installed in the external ring
- IP67 – IK10
- Smart Tracking
- DVA 1.0
- Audio 1 In / 1 Out / Built in MIC
- Alarms 1 In / 1 Out
- MicroSD card slot

Note: minimum preset change time in cruise mode is 2 minutes



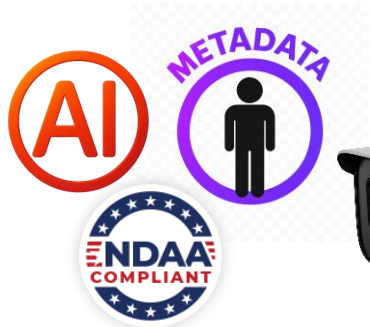
Mini PTZ 4Mpx Zoom 3X

Applications & scenarios – Smart Tracking



Advance series: 4MP IP cameras

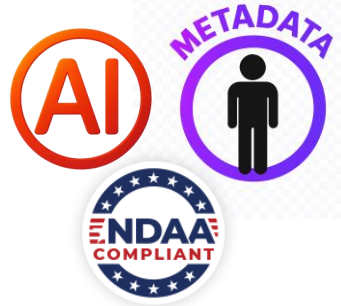
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	IPBCAMA04FC IPBCAMA04FCB	IPBCAMA04ZC IPBCAMA04ZCB	IPBCAMA04Z01C	IPBCAMA04Z550C
Resolution	4MP (2592 x 1520)	4MP (2592 x 1520)	4MP (2592 x 1520)	4MP (2592 x 1520)
Lens	2.8 mm	2.8-12 mm AF motorized lens	2.8-12 mm AF motorized lens	5-50 mm AF motorized lens
Frame rate	4MP @ 25fps	4MP @ 25fps	4MP @ 25fps	4MP @ 25fps
IR	50m (Smart IR)	50m (Smart IR)	70m (Smart IR)	100m (Smart IR)
WDR	120dB	120dB	120dB	120dB
DVA	Face detection, face capture, human/vehicle classification (line crossing detection, area intrusion detection, target counting), metadata analysis, audio anomaly detection, illegal parking detection, loitering detection, motion detection, scene change detection, video tampering detection			
SD Slot	Micro-SD (256GB max)	Micro-SD (256GB max)	Micro-SD (256GB max)	Micro-SD (256GB max)
Alarms I/O	-	-	1 / 1	1 / 1
Audio I/O	1 (jack 3.5mm) / -	1 (jack 3.5mm) / -	1 (jack 3.5mm) / 1 (jack 3.5mm)	1 (jack 3.5mm) / 1 (jack 3.5mm)
IP / IK	IP67 / IK10	IP67 / IK10	IP67 / IK10	IP67 / IK10

Advance series: 8MP IP cameras

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	IPTCAMA08FC	IPTCAMA08ZC	IPKCAMA08ZC	IPBCAMA08FC	IPBCAMA08Z01C
Resolution	8MP (3840 x 2160)	8MP (3840 x 2160)	8MP (3840 x 2160)	8MP (3840 x 2160)	8MP (3840 x 2160)
Lens	2.8 mm	2.8-12 mm AF motorized lens	2.8-12 mm AF motorized lens	2.8mm	2.8-12 mm AF motorized lens
Frame rate	8MP @ 20fps	8MP @ 20fps	8MP @ 20fps	8MP @ 20fps	8MP @ 20fps
IR	30m (Smart IR)	50m (Smart IR)	50m (Smart IR)	50m (Smart IR)	70m (Smart IR)
WDR	120dB	120dB	120dB	120dB	120dB
DVA	Face detection, face capture, human/vehicle classification (line crossing detection, area intrusion detection, target counting), metadata analysis, audio anomaly detection, illegal parking detection, loitering detection, motion detection, scene change detection, video tampering detection				
SD Card Slot	Micro-SD (256GB max)	Micro-SD (256GB max)	Micro-SD (256GB max)	Micro-SD (256GB max)	Micro-SD (256GB max)
Alarms I/O	-	-	1 / 1	-	1 / 1
Audio I/O	1 (jack 3.5mm) + 1 (mic) / -	1 (jack 3.5mm) + 1 (mic) / -	1 (jack 3.5mm) / 1 (jack 3.5mm)	1 (jack 3.5mm) / -	1 (jack 3.5mm) / 1 (jack 3.5mm)
IP / IK rating	IP67 / IK10	IP67 / IK10	IP67 / IK10	IP67 / IK10	IP67 / IK10

Advance series: Wi-Fi cameras

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	WC04A1FA	WIBCAMA04FB
Resolution	4MP (2592 x 1520)	4MP (2592 x 1520)
Lens	2.1 mm	2.8 mm
Frame rate	4MP @ 25fps	4MP @ 25fps
IR	10m (Smart IR)	20m (Smart IR)
WDR	D-WDR	D-WDR
DVA	Person detection, motion detection, video tampering, PIR detection	Line crossing, area intrusion, motion detection, video tampering
P2P app connection	Yes (Comelit CCTV)	Yes (Comelit Advance)
Push notifications	Yes	No
SD Card Slot	Micro-SD slot (max 128Gb)	Micro-SD slot (max 128Gb)
Alarms I/O	1 / 1	-
Audio I/O	1 (microphone) / 1 (speaker)	-
IP / IK rating	Indoor use	IP67 / -

Advance series: wide FOV cameras

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	IPFCAMA12FA	IPSCAMA08F04A
Resolution	12MP (4000x3000)	8MP (4096 x 1800)
Lens	1.65mm	4 x 3.3 mm
Horizontal FOV	360°	175°
Frame rate	12MP @ 25fps	8MP @ 25fps
IR	20m (Smart IR)	8 led-arrays / 20-30M (Smart IR)
WDR	D-WDR	D-WDR
DVA	Human/vehicle classification (line crossing, area intrusion, target counting), motion detection, video tampering detection	Face detection, face capture, human/vehicle classification (line crossing detection, area intrusion detection, target counting), motion detection, scene change detection, video tampering detection
SD Card Slot	Micro-SD slot (max 256GB)	Micro-SD slot (max 128GB)
Alarms I/O	1 / 1	1 / 1
Audio I/O	1 (jack 3.5mm) + 1 (mic) / 1 (jack 3.5mm)	1 (jack 3.5mm) / 1 (jack 3.5mm)
IP / IK rating	IP67 / IK10	IP67 / IK10



ITM08A3F02A

New 180° view camera

Domenico Barone

Export HEAD of SALES CCTV

ITM08A3F02A

Key points

- Double sensor for 180° view
- Video analytics
- ColorUp
- Deterrence function
- Compact design
- Cost-effective solution compared to IPSCAMA08F04A



Key points

180° view

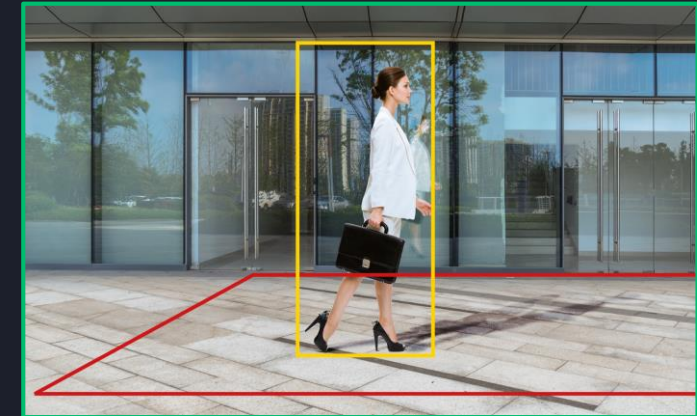
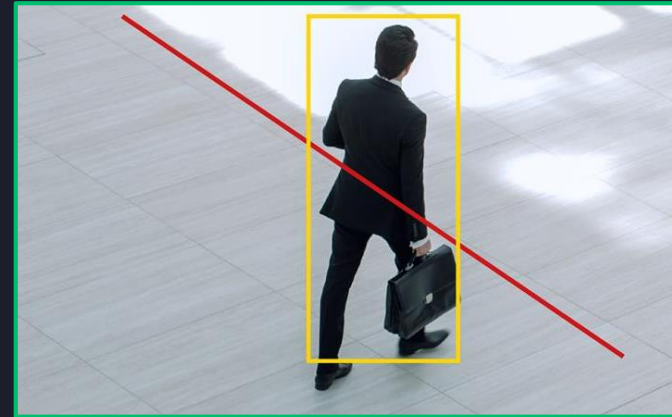
- 2 x 4MP optical sensors
- Combination of the view of the two sensors to have a 180° wide horizontal image
- It uses just a single NVR channel
- 180° view allows to use a single camera instead of two cameras placed side by side, allowing an easier installation and cabling (just one ethernet cable instead of two)



Key points

Video analytics

- Line crossing (human/vehicle recognition)
- Area intrusion (human/vehicle recognition)
- Target counting (human/vehicle recognition)
- Metadata Analysis
- Illegal Parking
- Loitering Detection
- Audio Detection
- Heatmap



Key points

ColorUp + Deterrence

White LED

Deterrence LED

Built-in speaker



Key points

Compact design

Similar size to a motor zoom turret camera



Key points

Cost-effective solution

ITM08A3F02A

- 8MP (4MP x 2) ✓
- Video analytics ✓
- Metadata ✓
- Face detection ✗
- ColorUp ✓
- Deterrence ✓
- Compact Size ✓



IPSCAMA08F04A

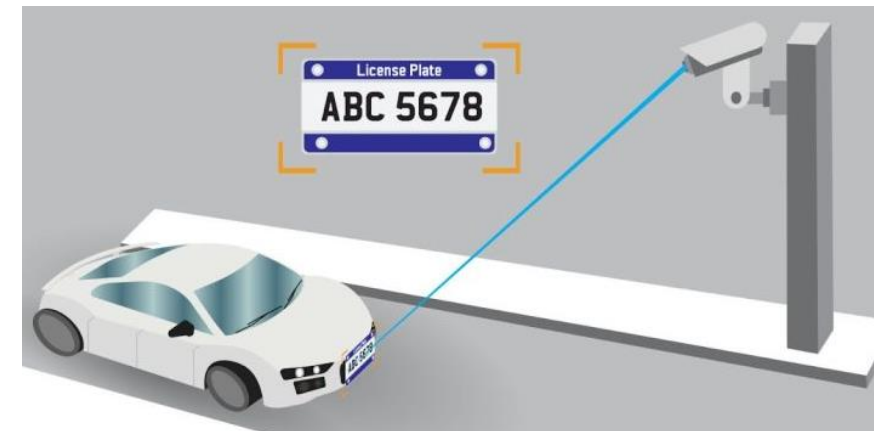
- 8MP (2MP x 4) ✓
- Video analytics ✓
- Metadata ✗
- Face detection ✓
- ColorUp ✗
- Deterrence ✗
- Compact Size ✗



Advance series: LPR camera

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	IPLPRA04ZSWA
Resolution	4MP (2592 x 1520)
Lens	8-32 mm AF motorized lens
Frame rate	4MP @ 25fps
IR	100m (Smart IR)
WDR	120dB
DVA	Plate number recognition (with plate color detection and vehicle type/color detection), motion detection, video tampering detection
Wiegand Output	Yes (26 bit)
Max vehicle speed for plate detection	90km/h
SD Card Slot	Micros-SD card slot (max 256GB)
Alarms I/O	1 / 1
Audio I/O	1 (jack 3.5mm) / 1 (jack 3.5mm)
IP / IK rating	IP67 / IK10



Advance series: PTZ IP cameras

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	IPPTZA04Z25A	IPPTZA04Z40B	IPPTZA08Z37A	IPPTZA04Z04A
Resolution	4MP (2560 x 1440)	4MP (2560 x 1440)	8MP (3840 x 2160)	4MP (2560 x 1440)
Lens	4.8-120mm (25X optical zoom)	4.5-180mm (40x optical zoom)	6-222mm (37x optical zoom)	2.8-12mm (4X optical zoom)
Frame rate	4MP @ 25fps	4MP @ 30fps	8MP @ 30fps	4MP @ 30fps
IR range	150M (Smart IR)	350M (Smart IR)	300 m (Smart IR)	30m (Smart IR)
WDR	WDR , 120dB	WDR , 120dB	WDR , 120dB	WDR , 120dB
DVA	Human/vehicle classification (line crossing detection, area intrusion detection, target counting), <u>Auto Tracking</u> , motion detection, scene change detection, video tampering detection	Human/vehicle classification (line crossing detection, area intrusion detection, target counting), <u>Auto Tracking</u> , motion detection, scene change detection, video tampering detection	Human/vehicle classification (line crossing detection, area intrusion detection, target counting), <u>Auto Tracking</u> , motion detection, scene change detection, video tampering detection	Human/vehicle classification (line crossing detection, area intrusion detection, target counting), <u>Auto Tracking</u> , motion detection, scene change detection, video tampering detection
SD Card Slot	micro-SD slot (max 256GB)	micro-SD slot (max 256GB)	micro-SD slot (max 256GB)	micro-SD slot (256GB)
Alarms I/O	1 / 1	1 / 1	2 / 2	1 / 1
Audio I/O	1 (jack 3.5mm) / 1 (jack 3.5mm)	1 (jack 3.5mm) / 1 (jack 3.5mm)	1 (jack 3.5mm) / 1 (jack 3.5mm)	1 IN and 1 mic / 1 speaker and 1 OUT
IP / IK rating	IP66 / IK10	IP66 / IK10	IP67 / IK10	IP66 / IK10

Advance series: IP thermal cameras

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	IPTHBCAMA03A	IPTHBCAMA07A	IPTHTCAMA03A	IPTHTCAMA07A
Resolution	Optical: 5MP / Thermal: 256x192	Optical: 5MP / Thermal: 256x192	Optical: 5MP / Thermal: 256x192	Optical: 5MP / Thermal: 256x192
Lens	Thermal: 3,2 mm / Optical: 4mm	Thermal: 7mm / Optical: 8mm	Thermal: 3,2 mm / Optical: 4mm	Thermal: 7mm / Optical: 8mm
Frame rate	5MP @ 25fps	5MP @ 25fps	5MP @ 25fps	5MP @ 25fps
IR	50 m (Smart IR)	50 m (Smart IR)	30 m (Smart IR)	30 m (Smart IR)
WDR	120dB	120dB	120dB	120dB
Vídeo analysis	Thermal sensor: line crossing detection, area intrusion detection (person/vehicle classification) Optical sensor: face detection, face capture, line crossing detection (person/vehicle classification), entry/exit/detection area intrusion (people/vehicle classification), vehicle/people counting	Thermal sensor: line crossing detection, area intrusion detection (person/vehicle classification) Optical sensor: face detection, face capture, line crossing detection (person/vehicle classification), entry/exit/detection area intrusion (people/vehicle classification), vehicle/people counting	Thermal sensor: line crossing detection, area intrusion detection (person/vehicle classification) Optical sensor: face detection, face capture, line crossing detection (person/vehicle classification), entry/exit/detection area intrusion (people/vehicle classification), vehicle/people counting	Thermal sensor: line crossing detection, area intrusion detection (person/vehicle classification) Optical sensor: face detection, face capture, line crossing detection (person/vehicle classification), entry/exit/detection area intrusion (people/vehicle classification), vehicle/people counting
SD Card Slot	Micro - SD (256GB max)	Micro - SD (256GB max)	Micro - SD (256GB max)	Micro - SD (256GB max)
Alarms I/O	1/1	1/1	1/1	1/1
Audio I/O	1 (jack 3.5mm) / 1 speaker	1 (jack 3.5mm) / 1 speaker	1 (jack 3.5mm) and 1 mic / 1 speaker	1 (jack 3.5mm) and 1 mic / 1 speaker
IP / IK rating	IP66 / IK10	IP66 / IK10	IP66 / IK10	IP66 / IK10



New Advance 12MP Camera

New Advance 12MP Camera

IPBCAMA12ZD

- **Big Bullet 2.8 - 12mm**
- **12MPX resolution**
- **IR range: 70m**
- **P2P 2.0 Connection**
- **5 streamings**
- **Full metal housing**
- **Built-in MIC**
- **1 audio input / 1 audio output**
- **1 alarm input / 1 alarm output**
- **Compatible with NEXT/Advance cameras accessories**



New Advance 12MP Camera

DVA 2.0 Features:

- **Metadata**
- **Face detection**
- **Line crossing**
- **Intrusion detection**
- **Target counting by line/area**
- **Heat map**
- **Abnormal Audio detection**
- **Loitering detection**
- **Illegal parking detection**



Comelit CCTV: Advance series

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RECORDERS

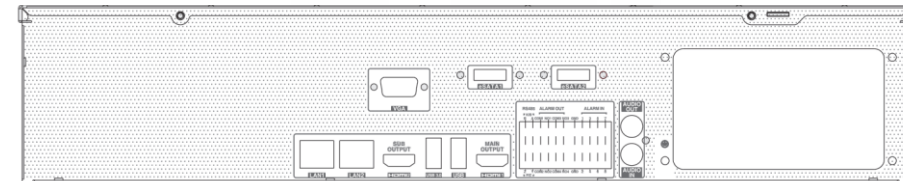


Advance series: IPNVRs

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MAIN HW FEATURES

- Up to 128 channels
- Up to 16 HDDs
- RAID (0,1,5,6,10)
- Individual recording settings by channel
- Hot swappable HDD case
- Dual LAN (2 x 1000Mbps)
- Up to 16MP resolution
- 2 HDMI video outputs
- NDAA compliant 



** features may vary based in different NVR models*

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Advance series: PoE IPNVRs

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	NIPNVR004A08PA	NIPNVR008A12PA	NIPNVR016A12PA
IP channels	4 CH	8 CH	16 CH
PoE ports	4x Ethernet (10 / 100Mbps) PoE (IEEE802.3af)	8x Ethernet (10 / 100Mbps) PoE (IEEE802.3af)	16x Ethernet (10 / 100Mbps) PoE (IEEE802.3af)
Max recording resolution	8MP	12MP	12MP
Video analysis	It can use all the DVA functionalities of the connected cameras (Next/Advance) + <u>Car Plate Comparison</u>	It can use all the DVA functionalities of the connected cameras (Next/Advance) + <u>Face Matching and Car Plate Comparison</u>	It can use all the DVA functionalities of the connected cameras (Next/Advance) + <u>Face Matching and Car Plate Comparison</u>
Video output	1 HDMI (4K), 1 VGA (1920x1080)	1 HDMI (4K), 1 VGA (1920x1080)	1 HDMI (4K) , 1 VGA (1920x1080)
Bandwidth	80Mbps	160Mbps	192Mbps
HDD interface	1 SATA (max 10TB)	1 SATA (max 10TB each)	2 SATA (max 10TB each)
Included HDD	NIPNVR004A08PA : 1TB NIPNVR004A08PASL : NO HDD	NIPNVR008A12PA : 1TB NIPNVR008A12PASL : NO HDD	NIPNVR0016A12PA : 2TB NIPNVR016A12PASL : NO HDD
Alarm I/O	N.A.	8 IN / 4 OUT	8 IN / 4 OUT

Advance series: IPNVRs

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	N32N12A2H0A	NIPNVR032A12NASL	NIPNVR064A16NASL	NIPNVR128A16NASL
IP channels	32 CH	32 CH	64 CH	128 CH
PoE ports	-	-	-	-
Max recording resolution	12MP	12MP	16MP	16MP
Video analysis	It can use all the DVA functionalities of the connected cameras (Next/Advance) + <u>Face Matching and Car Plate Comparison</u>	It can use all the DVA functionalities of the connected cameras (Next/Advance) + <u>Face Matching and Car Plate Comparison</u>	It can use all the DVA functionalities of the connected cameras (Next/Advance) + <u>Face Matching and Car Plate Comparison</u>	It can use all the DVA functionalities of the connected cameras (Next/Advance) + <u>Face Matching and Car Plate Comparison</u>
Video output	1 HDMI (4K), 1 HDMI (1920x1080, spot monitor), 1 VGA(1920x1080)	1 HDMI (4K), 1 HDMI (1920x1080, spot monitor), 1 VGA(1920x1080)	1 HDMI 4K (up to 8K), 2 HDMI 4K (spot monitor), 1 HDMI 1080p (spot monitor), 1 VGA 1080p	1 HDMI 4K (up to 8K), 2 HDMI 4K (spot monitor), 1 HDMI 1080p (spot monitor), 1 VGA 1080p
Bandwidth	320Mbps	320Mbps	640Mbps	768Mbps
HDD interface	2 SATA (max 10TB each)	8 SATA (max 10TB each) Supports RAID 1,5,6,10	16 SATA (max 8TB each) Supports RAID 0,1,5,6,10 and hot swap	16 SATA (max 8TB each) Supports RAID 0,1,5,6,10 and hot swap
Included HDD	-	-	-	-
Alarm I/O	8/4	16/4	16/4	16/4

N64N16A8H0A



- **NVR 64 channels with 8 Sata slots (up to 10TB each)**
- **Bandwidth: 640Mbps**
- **4 HDMI: 1x8K, 2x4K, 1xFull HD**
- **Cost effective price**

Competitor's comparison				
Codice	N64N16A8H0A	1098/455	DS-9664NI-M8	NVR5864-XI
Canali	64	80	64	64
Porte HDMI	4	2	2	2
Risoluzione massima	16 MP	12 MP	32 MP	32 MP
Bandwidth	incoming: 640 Mbs / outgoing: 640 Mbs	incoming 320 Mbs / outgoing: 320 Mbs	incoming 400 Mbs / outgoing: 400 Mbs	AI disabled: 512 Mbps incoming, 512 Mbps recording and 512 Mbps outgoing AI enabled: 200 Mbps incoming, 200 Mbps recording and 200 Mbps outgoing
N Sata	SATA× 8, max 10TB per HDD	SATA× 8, max 10TB per HDD	SATA× 8, max 16TB per HDD	SATA× 8, max 20TB per HDD
I/O	16 input, 4 output	16 input, 4 output	16 input, 9 output	16 input, 8 output
Video output	1 VGA, 4 HDMI	2 VGA, 2 HDMI	2 VGA, 2 HDMI	2 VGA, 2 HDMI
Database targhe	si	/	si	si
Database volti	yes: 32 libraries 10000 face pictures	/	si	si

16 SATA model Comparison		
Codice	N64N16A8H0A	NIPNVR064A16NASL
Canali	64	64
Porte HDMI	4	4
Risoluzione massima	16 MP	16 MP
Bandwidth	incoming 640 Mbps / outgoing 640 Mbps	incoming 640 Mbps / outgoing 640 Mbps
N Sata	SATA× 8, max 10TB per HDD	SATA× 16, max 10TB per HDD
I/O	16 input, 4 output	24 input, 8 output
Video output	1 VGA, 4 HDMI	1 VGA, 4 HDMI
Database targhe	si	si
Database volti	si	si

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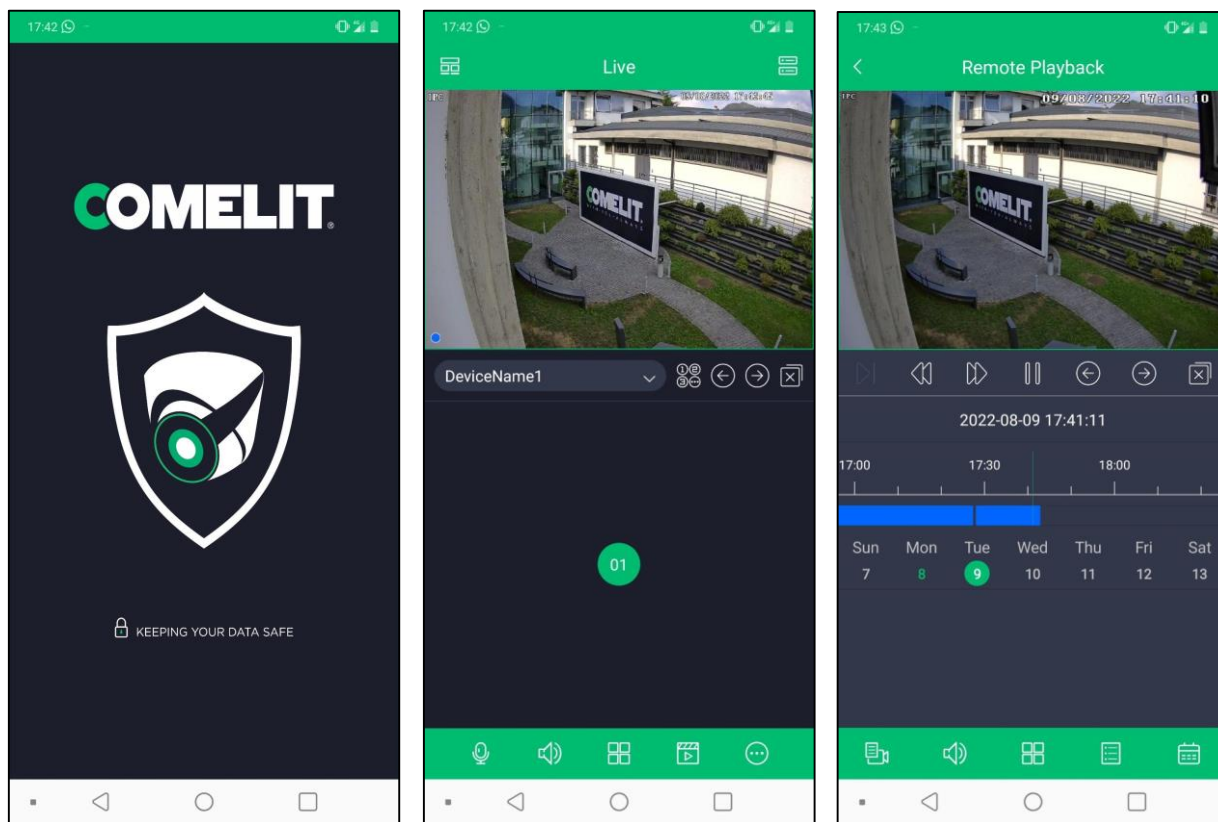
Comelit CCTV interfaces

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Comelit CCTV interfaces

Comelit CCTV App

Dedicated app for CCTV, for both Advance and Next series, even with mixed systems.



Features

- P2P connection through AWS Comelit Cloud
- “Local” mode or “account” mode
- Face and car plate adding to the database
- Video analysis event search
- Video analysis event push notification
- Alarm output activation
- Login password by gesture
- Playback bars with different colours by event
- PTZ control by gesture
- Fisheye layout selectable

Comelit CCTV interfaces

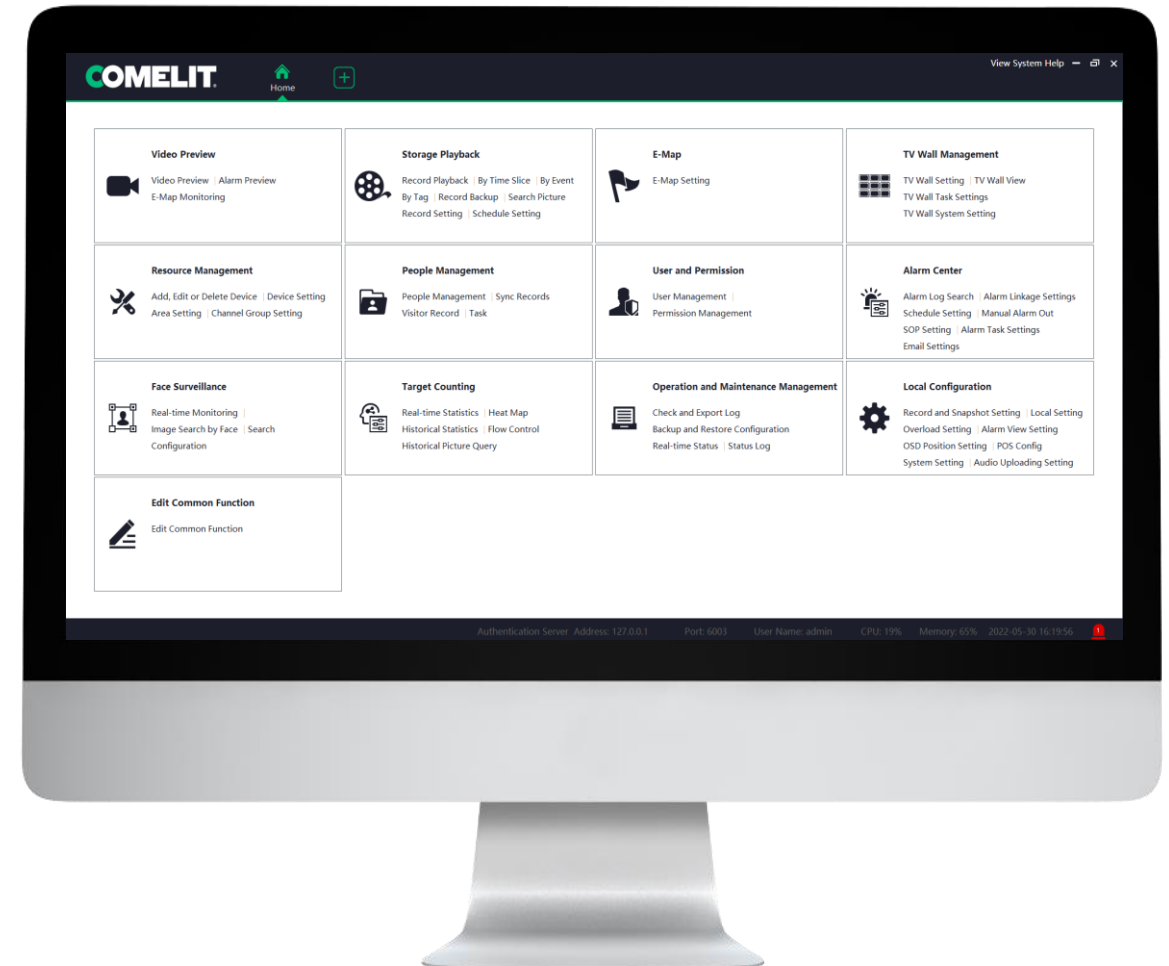
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Comelit CCTV Manager VMS Lite

VMS software that can be installed on a Windows PC or a Mac. It allows to manage multiple NVRs, local or remote, using a single interface

Features:

- Live view
- Playback (local or remote)
- Device programming
- P2P connection through AWS Comelit Cloud
- Multi-monitor
- E-map
- TV wall management
- Face search



Comelit CCTV interfaces

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Comelit CCTV Manager VMS Pro

VMS software with a distributed architecture (structure server/client). It can be either used to centralize a high number of NVRs (remote or local) into a single interface or to create a local system that acts like a very high performance “giant NVR”, with cameras connected directly to the VMS system

**Pro Server available on our
dedicated servers**

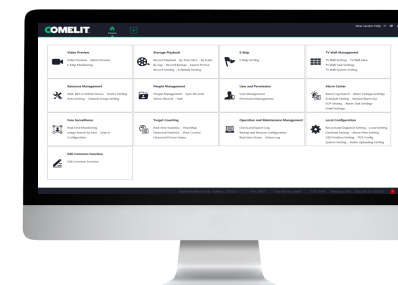
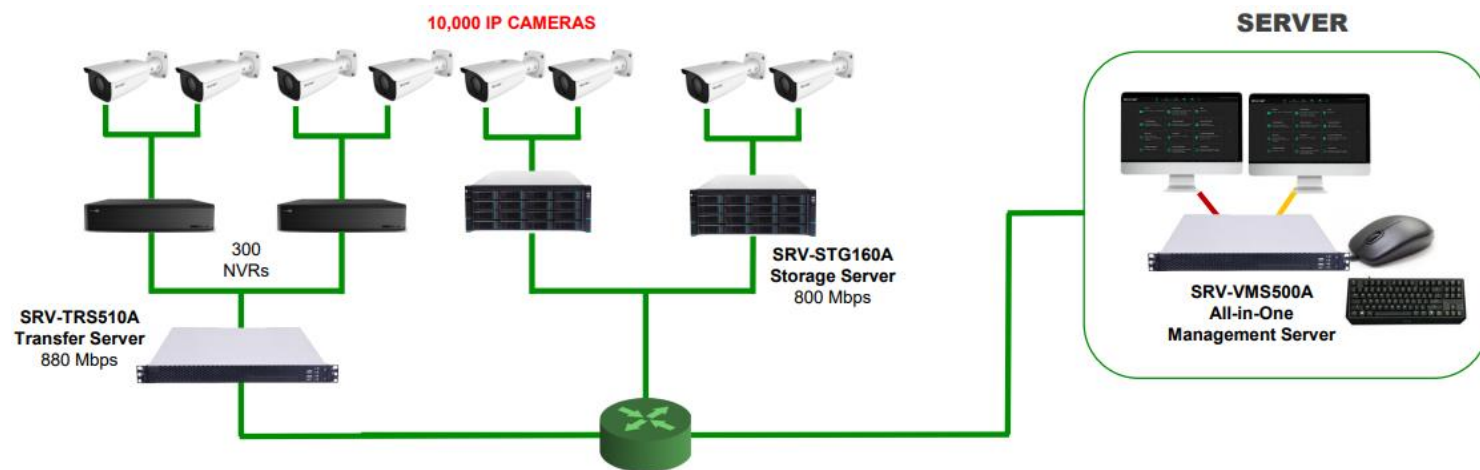
SRV-DSK300B



SRV-VMS500B



**Client Server installable
on every PC or Mac**



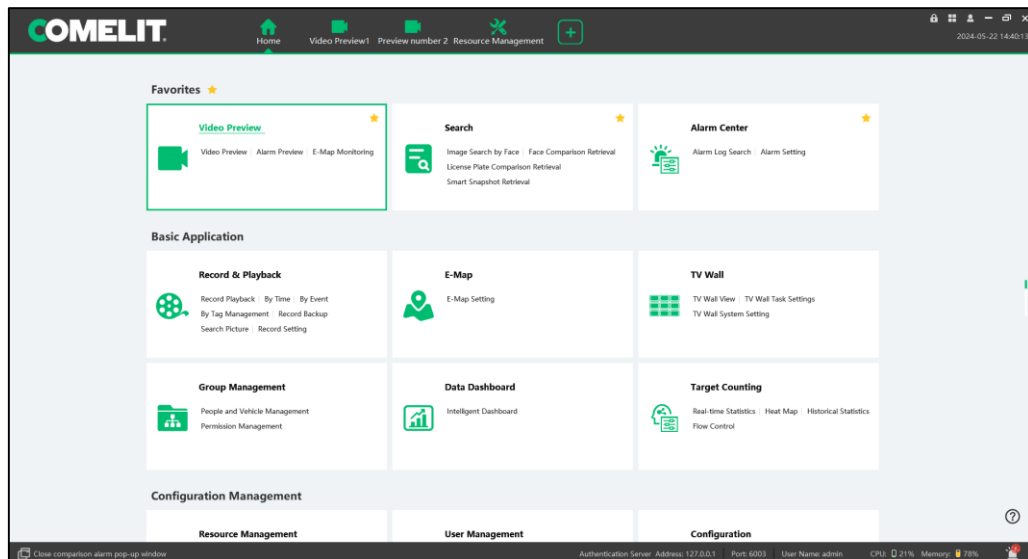
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Comelit CCTV interfaces

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COMELIT CCTV MANAGER VMS

- NVRs and cameras local connection
- NVRs remote connection via P2P
- Live view
- Playback (local or remote)
- Device programming
- Database management
- Smart search
- Alarm center management
- Multi-monitor
- E-map
- TV wall management



Lite Version

- 256ch free of charge
- Max. 256ch connected
- Max. 64 devices connected
- Serverless solution
- Installable on any Windows/Mac computer

Pro Version

- 128ch free of charge (expandable through license)
- Max 10.000ch connected
- Max 10.000 devices connected
- Transfer server and storage server supported
- Support server-client architecture
- Server available only on **platform products**
- Client available for any Windows/Mac
- Extra features:
 - Face Greeting
 - Face Attendance
 - Parking Lot Management
 - Industrial Temperature Measurement

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Comelit CCTV: scan tool

IPC Manager Tool

New tool that can be used to scan the LAN and identify all the connected Advance and Next cameras, regardless of their IP address. It can be used also for:

- multiple cameras activation
- multiple cameras IP address assignement
- multiple cameras password change
- multiple camere image setting

COMELIT IPC MANAGER TOOL

Refresh

Device Name	Device Type	Device Model
☐ Device Name	NVR	IPNVR004A08PA
☐ Device Name	NVR	IPNVR128A08NB Advance
☐ IPC	IPC	IPTCAMA04ZB
☐ next	IPC	IPTCAMN04FA Next
☐ IPC	IPC	IPBCAMN08ZA
☐		
☐		
☐		
☐		

All Clear Select Same Type Chosen 0 / 22

MAC addr. : : : : : Restore

Tip: Input the IPC MAC address. Click on Restore and reboot the device. within 30 seconds to complete the proce

PWD Export

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Comelit CCTV: integration

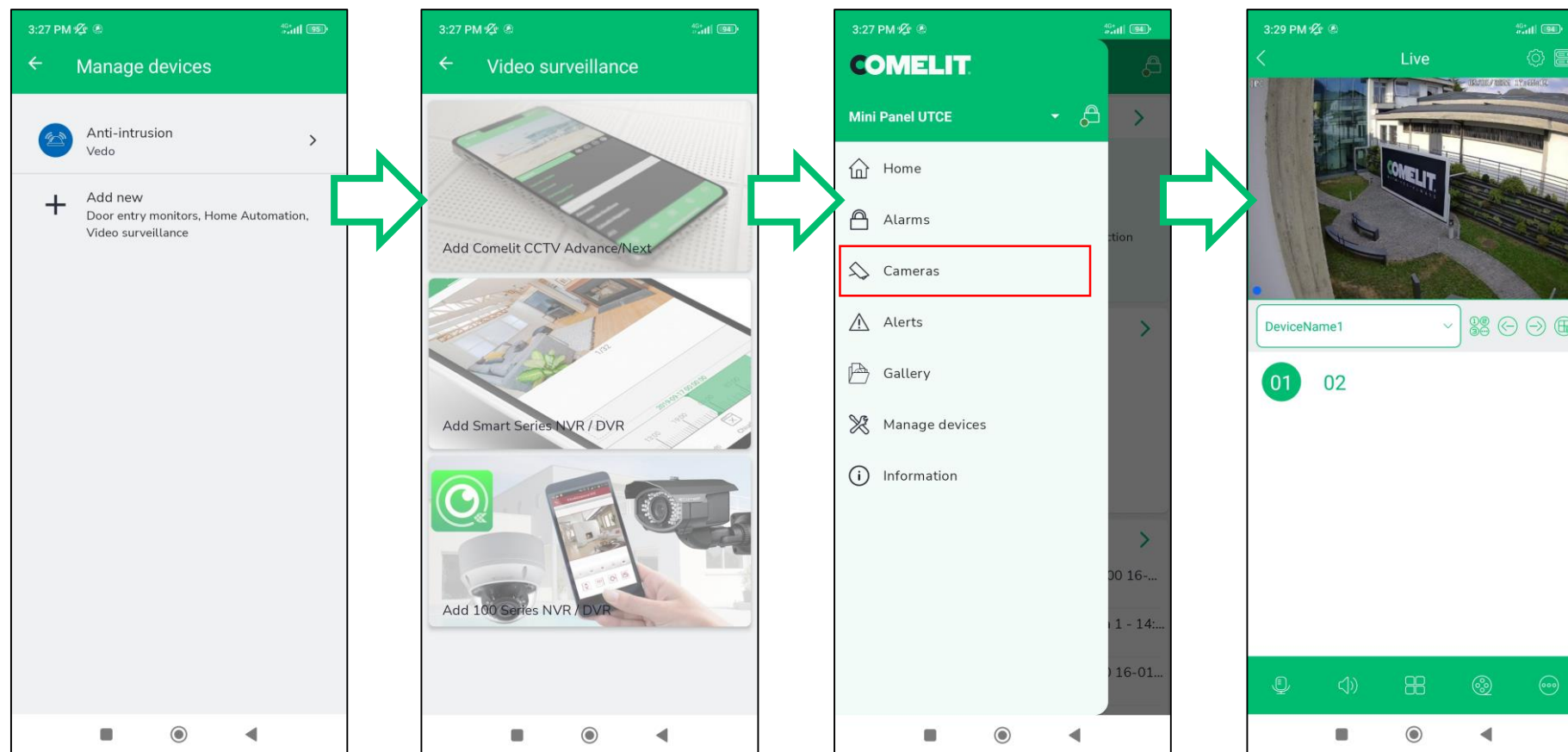
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Comelit CCTV: integration

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Comelit App

Integration of the «Comelit CCTV» module inside the «Comelit App». In this way we can have a single app to handle almost all Comelit families!

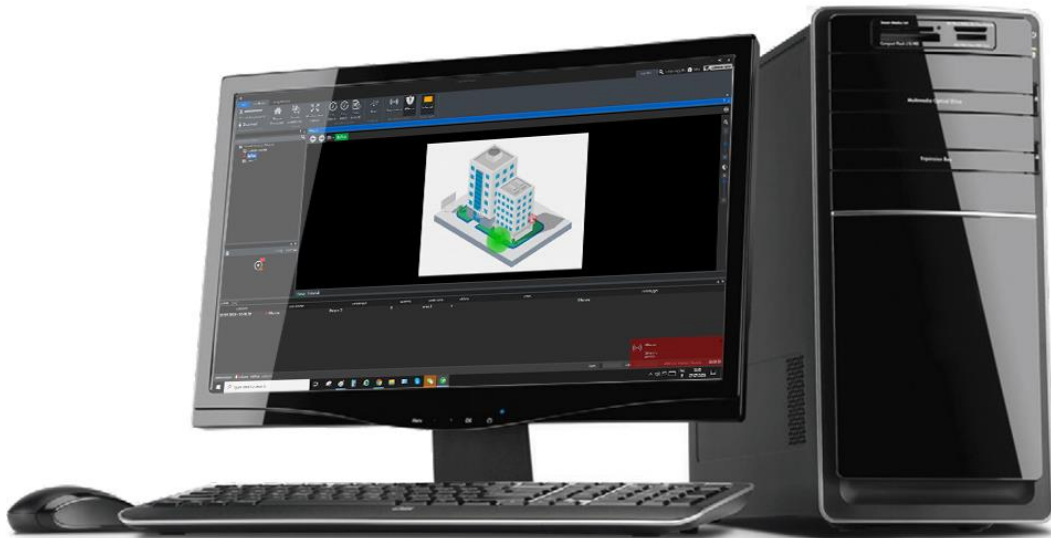


Comelit CCTV: integration

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Horus

HORUS is the Comelit complete supervision solution that integrates, in a single interface, the management of different systems (video surveillance – intrusion - fire - IP video entry).



In this way, any infrastructure can optimize alarm management in a targeted, intuitive and cost-effective way.

Comelit CCTV: integration

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WORK IN PROGRESS...

Access Central

We are working on the Integration of Comelit CCTV SDK and API into Pac Access Central software. The goals are:

- possibility to associate access control events with CCTV recordings
- possibility to use plate recognition of LPR camera as access credentials for PAC system



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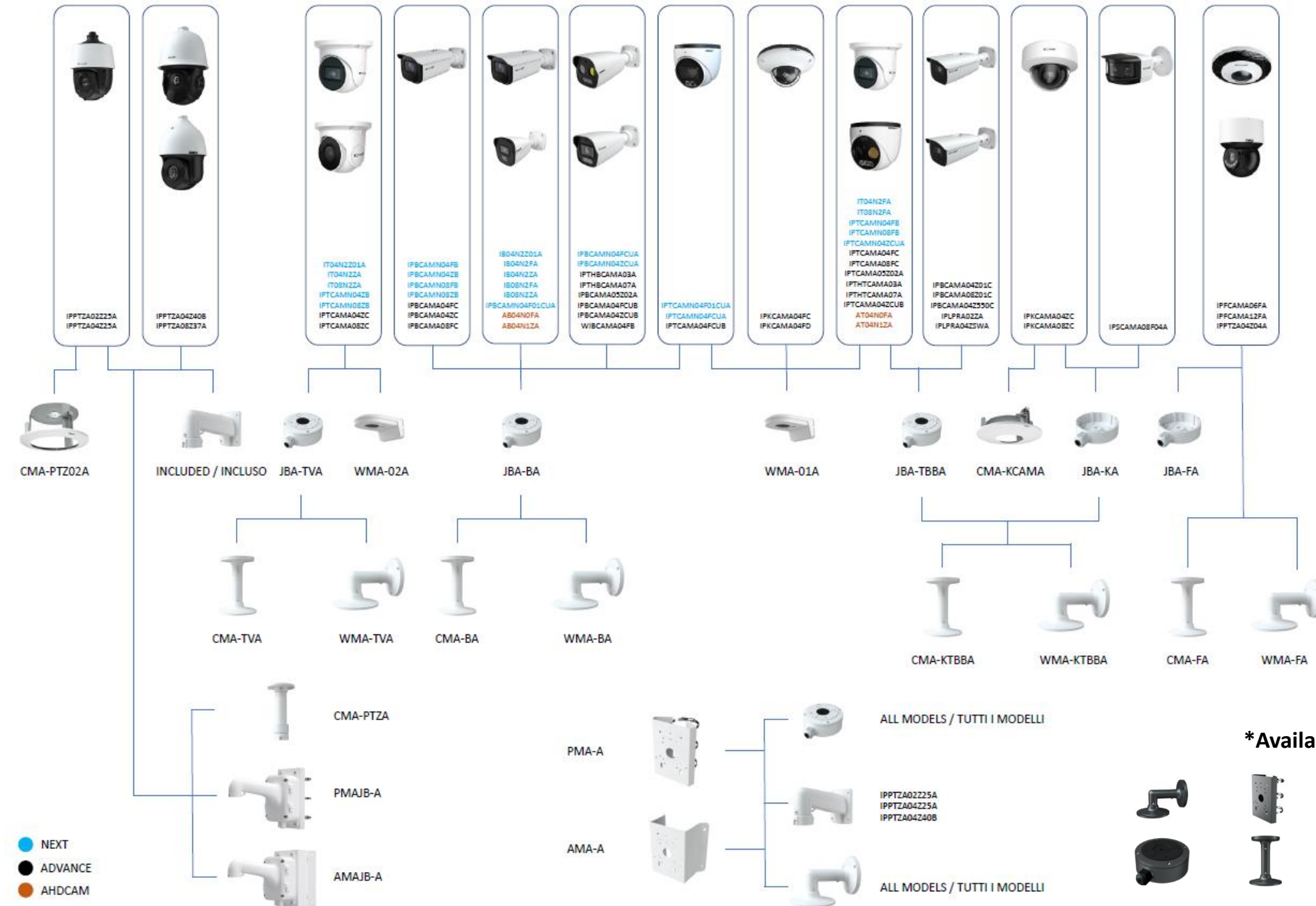
Comelit CCTV: accessories

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Accessories

Same accessories for both Advance and Next cameras:

- junction boxes
- wall mounts
- ceiling mounts
- corner mounts
- pole mounts



● NEXT
● ADVANCE
● AHD/CAM

Comelit CCTV: accessories

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USBOX01A



- USB alarm expansion box for Advance and Next series AHDVRs/NVRs.
- Plug&Play USB connection
- 16 inputs / 6 alarm outputs

IPBOX0804A



- IP alarm expansion box for Advance and Next series AHDVRs/NVRs.
- 8 inputs / 4 alarm outputs
- Analog-to-IP camera conversion (with added DVA)

IPKYBA02A



- IP control keypad for use with Advance series PTZ cameras
- Live image display on the 10.1" touchscreen monitor
- 3D joystick for camera control

SBOX-MBOX-LBOX



- Metal housings for NVRs and XVRs, featuring a dual lock with key, safety tamper on the door and on the wall.
- Compatible with recorders from 4ch up to 32ch

New IP keyboard

Cost Effective IP Keyboard for PTZ Control

Key features

- **Competitive price**
- **Manages up to 256 PTZ cameras**
- **PRESET – TOUR – CRUISE configuration / call**



24 ports switch and repeater

24 ports POE switch

S24P6GA

- **24 POE ports 10/100/1000Mbps (IEEE802.3af/at standard)**
- **Single port power: 30W**
- **POE budget: 370W**
- **4 Combo Uplink ports**
- **2 FSP slots**
- **Standard 19" rack installation**



Repeater

SR1P0GAW

- **1*10/100/1000Mbps Input**
- **1*10/100/1000Mbps Output**
- **IEEE802.3af/at Standard**
- **IP67**



IP CCTV

IP CAMERAS



LOCAL MONITOR



WEBPAGE OR VMS OVER LAN

APP



**WEBPAGE OR VMS
OVER WAN**



**Ethernet
cable**

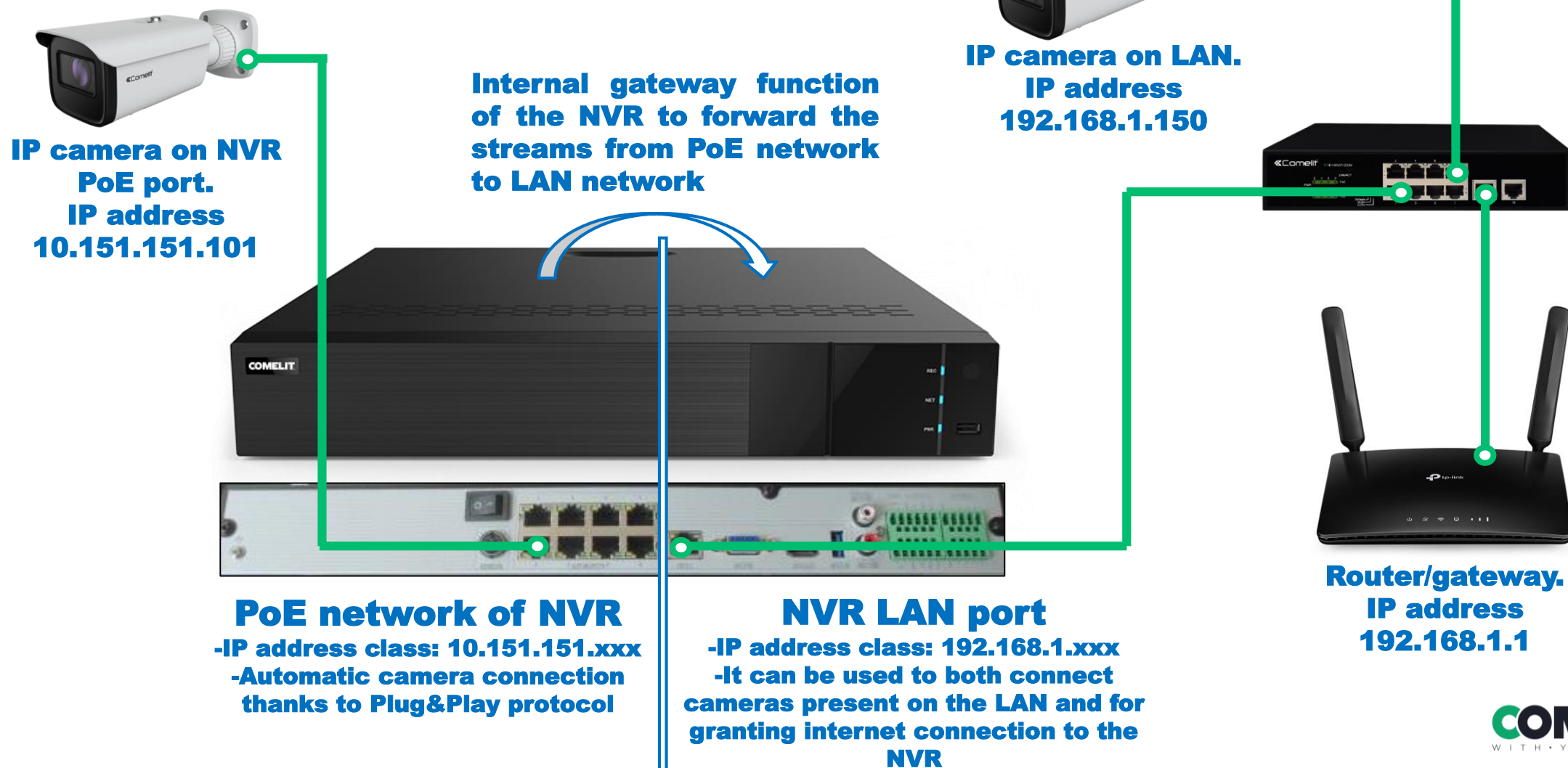
HDMI cable

**Internet
connection**



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IP CCTV – PoE NVRs



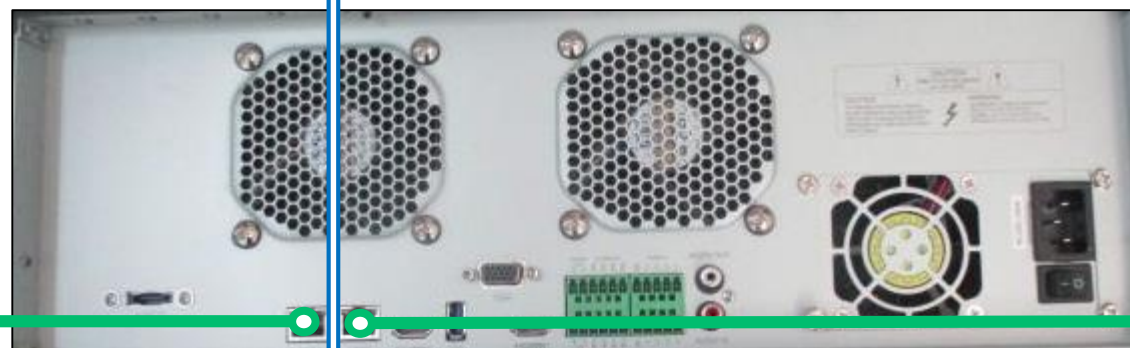
IP CCTV – Not PoE NVRs

**IP camera on NVR 2°
network.**

**IP address
192.168.2.101**



**Internal gateway function
of the NVR to forward the
streams from PoE network
to LAN network**



2° NVR LAN port
-IP address class: 192.168.2.xxx

NVR LAN port

-IP address class: 192.168.1.xxx
**-It can be used to both connect
cameras present on the LAN and for
granting internet connection to the
NVR**



IP camera on LAN.
**IP address
192.168.1.150**



Router/gateway.
**IP address
192.168.1.1**

AHD CCTV

AHD CAMERAS



LOCAL MONITOR

IP CAMERAS



WEBPAGE OR VMS OVER LAN

APP



WEBPAGE OR VMS OVER WAN



Ethernet cable

HDMI cable

Coaxial cable

Internet connection



Thank you!

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