



2022

neius

YOUR PROFESSIONAL SOLUTION.

urmet

URMET QUALITY COMMUNICATION AND SECURITY.

Urmet S.p.A. designs, develops and manufactures its products in compliance with UNI EN ISO 9001 standards. This internationally acknowledged certification attests to Urmet's status as a brand leader in the Communication and Security industry and to the all-round quality of its procedures, products and services.

CSQ
www.imq.it

**CERTIFICATO N.
CERTIFICATE N. 9110.URMD**

SI CERTIFICA CHE IL SISTEMA DI GESTIONE PER LA QUALITÀ DI
WE HEREBY CERTIFY THAT THE QUALITY MANAGEMENT SYSTEM OPERATED BY

URMET SPA
VIA BOLOGNA 188/C - 10154 TORINO (TO)

UNITÀ OPERATIVE / OPERATIVE UNITS

Vedere gli Allegati per le Unità Operative (n. 4 allegati)
View the Annexes for the Operative Units (n. 4 annexes)
Operazioni esterne

È CONFORME ALLA NORMA / IS IN COMPLIANCE WITH THE STANDARD
ISO 9001:2015

PER LE SEGUENTI ATTIVITÀ / FOR THE FOLLOWING ACTIVITIES

Progettazione, sviluppo, industrializzazione, produzione e gestione della produzione, costruzione, commercializzazione, assistenza tecnica, manutenzione, gestione dell'installazione e attivazione di soluzioni e sistemi integrati di citofonia, videocitofonia, sicurezza, telefonia pubblica/privata, videosorveglianza, telemetria (via cavo e via radio) controllo temperatura, dispositivi elettronici di regolazione, sistemi elettronici per la building automation, dispositivi IOT, sistemi e servizi per reti di telecomunicazioni pubbliche e private, sistemi, servizi ed apparecchiature per il settore della vigilanza, dell'antintrusione e del telesoccorso. Servizio di riparazione e rigenerazione di apparati di telecomunicazione

Design, development, industrial engineering, production and external production management, manufacturing, marketing, technical support, maintenance, installation management, activation of integrated systems and solutions of door entryphone, video entryphone, security, public/private telephone, videosurveillance, telemetry (cables and radio), temperature, humidity, electronic control devices, electronic system for building automation, IOT devices, systems and services for public and private telecommunication networks, systems, services and equipment for surveillance, tele-alarm and tele-aid. Service of repairing and refurbishing of telecommunication devices

Ulteriori informazioni riguardanti l'applicabilità dei requisiti ISO 9001:2015 possono essere ottenute consultando l'organizzazione
Further clarifications regarding the applicability of ISO 9001:2015 requirements may be obtained by consulting the organization

IL PRESENTE CERTIFICATO È SOGGETTO AL RISPETTO DEL
REGOLAMENTO PER LA CERTIFICAZIONE DEI SISTEMI DI GESTIONE
THE USE AND THE VALIDITY OF THE CERTIFICATE SHALL SATISFY THE
REQUIREMENTS OF THE RULES FOR CERTIFICATION OF MANAGEMENT SYSTEMS

DATE:	PRIMA CERTIFICAZIONE FIRST CERTIFICATION	EMISSIONE CORRENTE CURRENT ISSUE	SCADENZA EXPIRY
	1995-11-30	2021-03-10	2024-03-15

IMQ S.p.A. - VIA QUINTILIANO, 43 - 20138 MILANO ITALY
Management Systems Division - Flauto Omega

IAF: 19, 33, 35, 29

ACCREDDIA
SGQ N° 005 A

La validità del marchio è subordinata a un'ispezione annuale in itinere obbligatoria
The validity of the certificate is dependent on annual in-process inspection and assessment
of the client management system activities

Organismo di Certificazione Federato CISQ
www.imq.it

FEDERAZIONE
CISQ
www.cisq.it/it

CISQ è la Federazione Italiana di Organismi di Certificazione dei sistemi di gestione aziendali.
CISQ is the Italian Federation of management system Certification Bodies.

IQNet
THE INTERNATIONAL CERTIFICATION NETWORK

CERTIFICATE

CSQ/IMQ has issued an IQNet recognized certificate that the organization:

URMET SPA
VIA BOLOGNA 188/C 10154 TORINO (TO) -
GLT SRL - URMET ATE SRL - URMET TLC SPA

has implemented and maintains a
Quality Management System

for the following scope:

Design, development, industrial engineering, production and external production management, manufacturing, marketing, technical support, maintenance, installation management, activation of integrated systems and solutions of door entryphone, video entryphone, security, public/private telephone, videosurveillance, telemetry (cables and radio), temperature, humidity, electronic control devices, electronic system for building automation, IOT devices, systems and services for public and private telecommunication networks, systems, services and equipment for surveillance, tele-alarm and tele-aid. Service of repairing and refurbishing of telecommunication devices

Further clarifications regarding the applicability of ISO 9001:2015 requirements may be obtained by consulting the organization

which fulfills the requirements of the following standard:
ISO 9001:2015

Issued on: **2021 - 03 - 10**
Expires on: **2024 - 03 - 15**

This attestation is directly linked to the IQNet Partner's original certificate
and shall not be used as a stand-alone document

Registration Number: IT - 30993

IQNet Partners*:
AENOR Spain AFNOR Certification France ARCELOR Portugal CCC Cyprus CISQ Italy
CQC China CQM China CQS Czech Republic Cro Cert Croatia DQS Holding GmbH Germany EAGLE Certification Group USA
FCV Brazil FONDONORMA Venezuela ICONTEC Colombia Inspectoria Serfipoint Oy Finland INTECO Costa Rica
IRAM Argentina ICA Japan KIQ Korea MIBTEC Greece MSZ Hungary Nemko AS Norway NSAI Ireland
NYCE-SIGE Mexico PCBC Poland Quality Austria RR Ritecia SII Israel SIQ Slovenia
SIRIM QAS International Malaysia SQS Switzerland SRAC Romania TEST St Petersburg Russia TSE Turkey YUQS Serbia

* The list of IQNet partners is valid at the time of issue of this certificate. Updated information is available under www.iqnet-certification.com

urmet.com

All Urmet products bear the **CE** mark



THE DIFFERENCE IS IN WHAT IS INVI



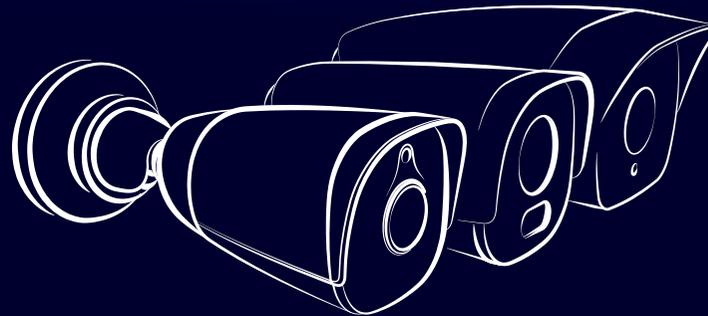
SIBLE TO THE EYE. INTELLIGENCE.



The need for security, and the technology that makes it possible, is increasingly widespread in our globalised world. At a time when, in addition to the usual risks associated with crime and dangers from situations such as fires, there is also the question of the scrupulous controls required due to the pandemic. An innovative, effective, highly professional, integrated and accessible solution was needed in the field of video surveillance, capable of bridging the gap between the available technology and tackling an increasingly complex reality.

An intelligent and evolved response was needed.
That response has arrived. It's called Neius.

NEIUS: THE TECHNOLOGY OF THE FUTURE AVAILABLE TODAY.



What is Neius? Neius is a state-of-the-art intelligent video surveillance technology. Neius is a new range of products, guaranteed by the Urmet brand, representing a decisive evolution in the field of security systems and developed on the basis of a scrupulous analysis of the market.

Neius is a leap into the future in terms of quality, professionalism, systemic capacity, integration. For professional installers, system integrators and design studios, Neius is the ideal solution on IP segments for open architecture systems. Particularly for medium and large scale systems. And for those who need even more performance there is the premium component of the range: Neius Platinum.



ALL THE TOOLS REQUIRED FOR COMPLETE SECURITY.

What are the strong selling points of the products from the Neius range?

To begin with, the great ability to integrate on third-party platforms.

Then we have three fundamental technological assets:

sharp night vision in colour thanks to Color maker and Starlight, even in conditions of total absence of light; latest-generation video analysis, which also includes the person/vehicle classification function based on a deep learning algorithm, to achieve increasingly high detection accuracy and reduce false alarms; the mechanical characteristics of the camera units, all IP67 and IK 10 for the vandal resistant cameras.

BUT THERE'S MORE.

Neius also has an extensive range of PTZ units, all of which are also POE powered, with different lens sizes up to 44X optical zoom, special 180-360° panoramic solutions and thermal units for fire and smoke detection. What about video recording? Neius relies on professional equipment, with a structured and complete range: from small-sized NVRs for small business to 80-channel solutions with HD Hot Swap for rack mount installation. Bandwidth and HD space management is guaranteed by the proprietary S+265 codec, which reduces the size of the stream by more than 30% compared to the H.265 standard.



PROBLEM? SOLVED!

To complete the range, Neius provides a dedicated design centre to develop solutions for every type of application: from public to transport, from industrial to large-scale installations. Problem solving is ensured by a Customer Service team offering highly qualified help, able to respond instantly to any major technical queries. A professional sales and service network is spread throughout the country.

The Neius range of solutions has been developed with the international experience and quality of Urmet.

In order to play a leading role in market choices, Urmet offers its network and installers comprehensive training assistance.



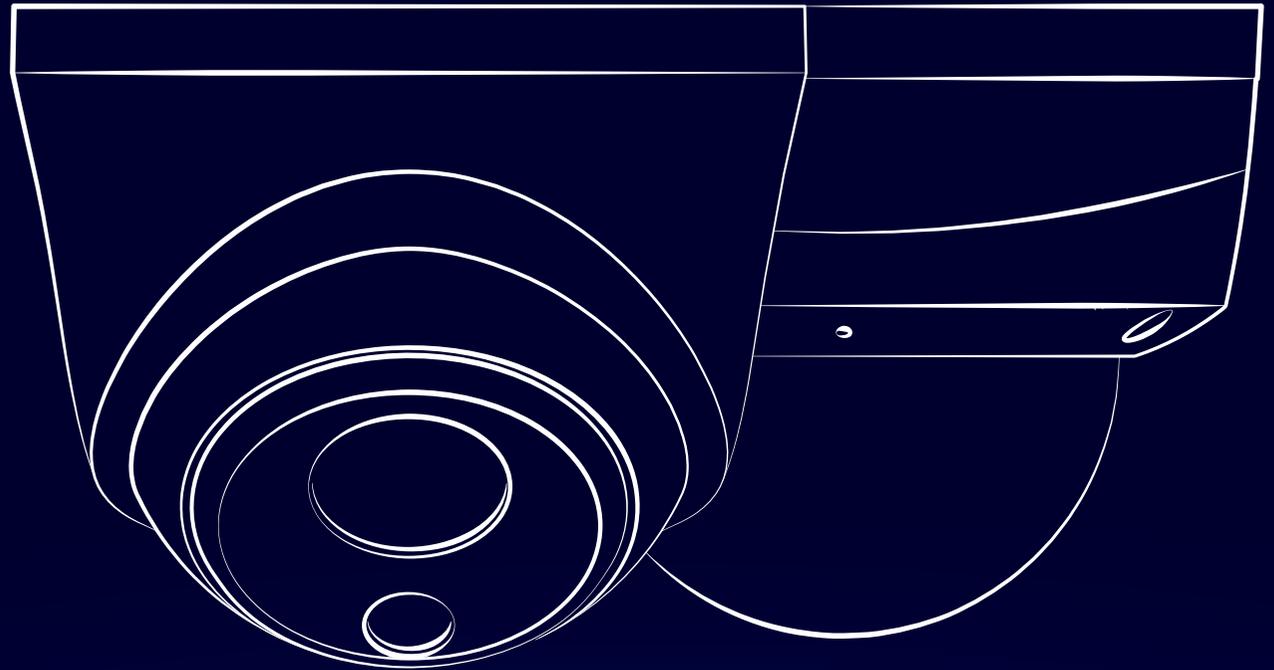


COLOR MAKER

ALL THE SHARPNESS YOU NEED, IN COLOUR.

Details are important when it comes to safety, especially in conditions where there is insufficient lighting. Whether it is the surveillance of airports, warehouses, shops or private homes. Thanks to the Neius range, there are no environments that are too dark or details that can be missed. Cameras equipped with Color Maker technology feature a large size sensor, a wide aperture and warm LED light. This allows for non-stop recording of sharp, full-colour images, even in environments with poor lighting.

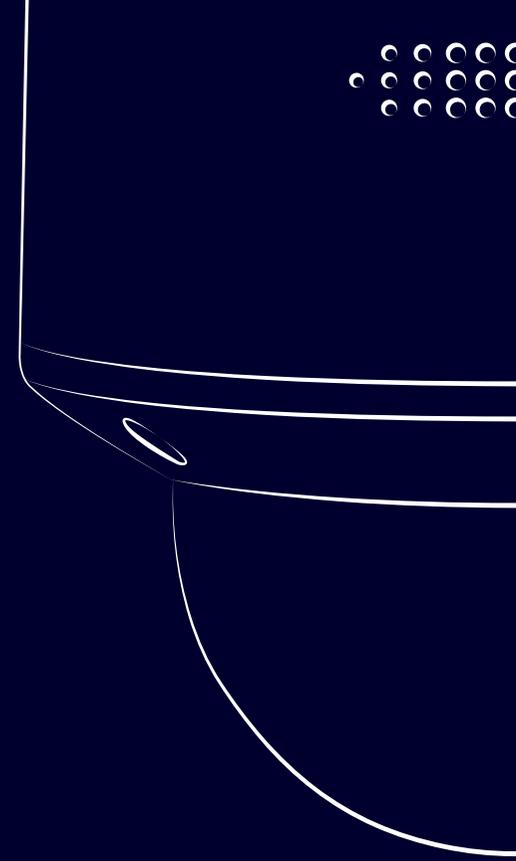




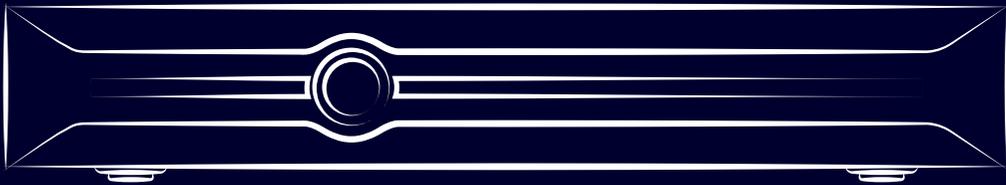
STARLIGHT

NIGHT VISION IN DAYLIGHT.

Night vision from a camera, taken to the extreme - that is what Starlight technology provides. In many situations the shooting area is devoid of any light source, or for security or privacy reasons it is not possible to illuminate as required. With Starlight, which allows visibility down to 0.0001 Lux, the problem is solved. In addition, Starlight allows extremely sharp vision without the need for any IR source. In this way, you can shoot the areas you are interested in without being observed, avoiding negative reflection effects and with completely sharp, full-colour images.









NVR HOT SWAP AND RAID HIGH-PRECISION VIDEO.

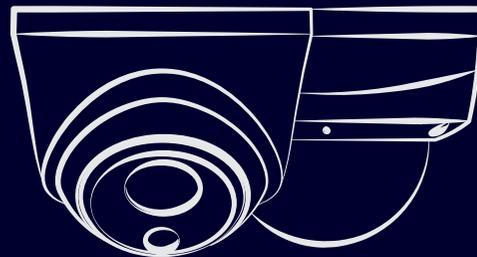
For highly advanced video recording, Neius relies on the most professional and precise technology on the market. A structured and complete range of tools starting from small NVRs, ideal for a small business, up to 80 channel solutions with Hot Swap HDDs perfect for the needs of large installations.

In order not to lose anything and to guarantee continuity of service in the event of a disk failure, Raid mode allows the contents to be replicated on a second disk. Maximum precision, maximum security.

AI - 2nd GENERATION

A MORE EVOLVED VISION.

Seeing is sometimes not enough.
Seeing and understanding is better. Thanks to intelligent algorithms, the Neius range includes video analysis tools which allow a wider range of movements to be detected and analysed with extreme precision. Neius classifies the analysis into 5 main categories.



BEHAVIOURAL

ANALYSIS

DYNAMIC ANALYSIS

STATISTICS

SECURITY

BEHAVIOURAL



Human/Vehicle Classification:

makes it possible to differentiate vehicles from people passing through a pre-defined area. In this way there is a drastic reduction in false alarms by focusing an operator's attention only on events of priority importance signalled by the system.



Perimeter:

enables automatic detection of the entry or exit of a target in a specific area of the image, delimited by a manually defined frame. The system is able to discriminate between a vehicle and a person.



Tripwire:

allows you to define a line within the shooting area. An alarm is triggered if this "boundary" is crossed in the configured direction. The system can distinguish between a vehicle and a person.



Double Tripwire:

allows two lines within the shooting area to be defined. An alarm is triggered if these lines are crossed within a set time and in the configured direction. The system can distinguish between a vehicle and a person.



Loitering:

if a subject moves within a pre-configured area, without demonstrating an apparent destination, an alarm is generated.



Object Abandoned:

enables automatic detection of any changes regarding the objects present within a predefined area. If anything is left in the defined area, an alarm is generated.



Object Lost:

automatic detection of any changes regarding the objects present within a predefined area. If an object is removed from the configured area, an alarm notification is sent.



Safety Helmet Detection:

detects if a person on a construction site is not wearing a protective helmet and sends an alarm notification. The function also makes it possible to generate alarms linked to the colour of the helmets in the scene being filmed.



Running:

an alarm notification is sent in the event of a subject running within a predefined area.



Parking:

an alarm is generated if a vehicle is parked for a predefined time in a prohibited space.



Crowd:

detects when a defined threshold of people in a pre-configured area is exceeded, and sends an alarm notification.

ANALYSIS



Face Capture:

detects the faces of people passing through a predefined area.

DYNAMIC ANALYSIS



Auto tracking:

a PTZ unit can be used to automatically track a vehicle or person following an alarm related to intelligent video analysis.

STATISTICS



Heatmap:

a colour scale highlights the areas where there are greater concentrations of people.



Demographics (People Counting):

allows the counting of people entering or exiting a predefined area.

SECURITY



Temperature Alarm:

detects human temperature, reporting abnormalities above the permitted threshold.



Thermal Recognition:

enables the detection of fires.

PTZ

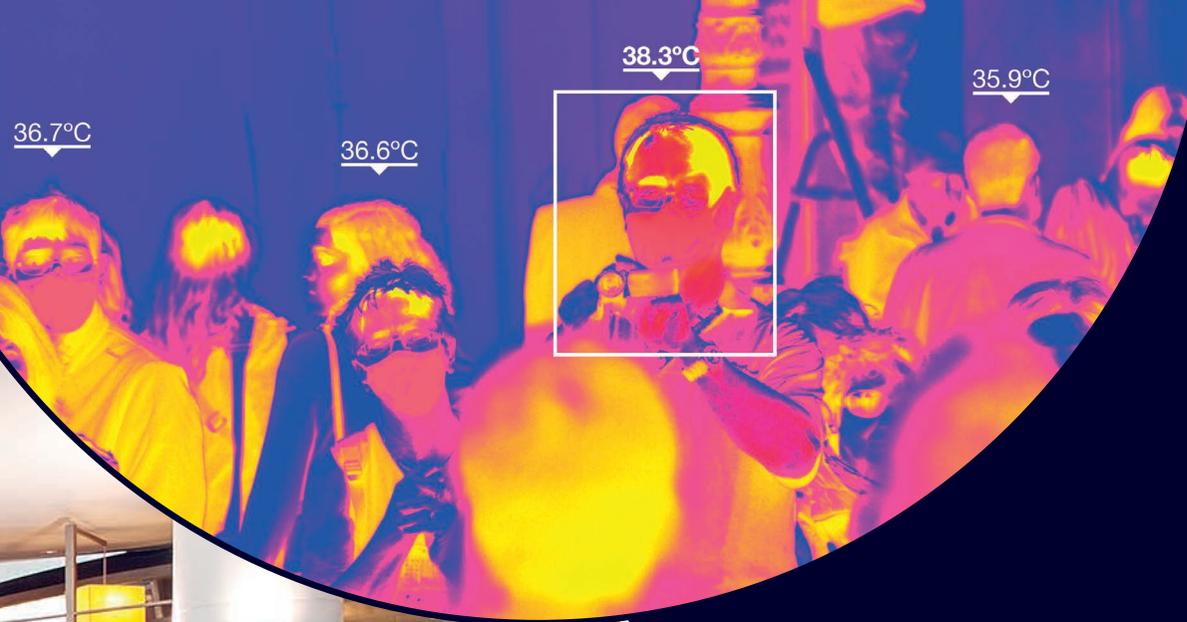
SO AS NOT TO MISS ANYTHING.

In addition to the range equipped with Thermal technology, Neius has a further line of PTZ units. All of them are also POE powered, with different lens sizes up to 44x zoom and special 180-360° panoramic solutions, and are thermal units capable of detecting fire and smoke over large areas. In addition, the PTZ units have an Autotracking function that allows them to automatically track vehicles or people that have been alerted by an alarm linked to intelligent video analysis.









THERMAL

NOT ONE DEGREE TOO MANY.

Temperatures above the permitted threshold?

No problem: they are detected immediately. The Neius line consists of camera units equipped with thermal technology that are able to analyse body temperature with extreme precision. If the warning limit is exceeded, users are immediately alerted of the anomaly by a visual and audible alarm.



IP 67

VIEWING THAT RESISTS EVERYTHING.

Neius cameras, thanks to their IP67 technology, offer maximum robustness and resistance.

The camera units are fully protected against dust and water.

A sensitive and robust view that runs no risk thanks to the refined mechanics behind it.





They have
no fear
of water.



Shock
resistant.

NEIUS CONTROL AND NEIUS MANAGER

POWERFUL, SCALABLE AND RELIABLE.

The Neius system management SW platform is the core software of the video surveillance platform.

Neius Control enables the centralisation of cameras, PTZ units and NVRs. Intended for medium to large applications, it allows the connection of up to 200 devices or 512 video channels.

Neius Manager supports CentOS-based video stream distribution and can manage up to 300,000 surveillance points. It is suitable for large systems.





NEIUS

Is the professional line focused on offering the ultimate in IP segment solutions for open architecture systems, ideal for the design of medium and large sized installations.

Economical and easy-to-install product line, ideal for shops, warehouses, car parks and parks, etc.

The cameras are supplied with value-added interfaces such as an integrated microphone, SD card slot and hardware reset button.

They support the two most commonly used VCA functions: Tripwire and Perimeter.

The Neius line consists of cameras with fixed lens from 2MP to 8MP, 2MP and 5MP varifocal cameras; available in both Starlight and Color Maker versions.

MAIN FEATURES

- Starlight/Color Maker
- Built-in Mic/SD Card Slot/Reset Button
- Supports Tripwire and Perimeter
- **ONVIF** Profile S/T/G
- S+265







	1099/520	1099/560	1099/561
Image sensor	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
Max. resolution	5.0MP (2592×1944)	5.0MP (2592×1944)	5.0MP (2592×1944)
Min. lighting	Colour: 0.002Lux@ (F1.6, ACG ON), B/W: 0Lux with IR	Colour: 0.002Lux@ (F1.6, ACG ON), B/W: 0Lux with IR	Colour: 0.002Lux@ (F1.6, ACG ON) B/W: 0Lux with IR
Lens	2.8mm	2.8mm	2.8mm
Video compression	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264
Frame rate	2592×1944@20fps	2592×1944@20fps	2592×1944@20fps
WDR	120dB	120dB	120dB
Video enhancement	BLC/3D DNR/HLC	BLC/3D DNR/HLC	BLC/3D DNR/HLC
Alarm activation	Motion Detection, Mask Alarm, IP Address Conflict	Motion Detection, Mask Alarm, IP Address Conflict	Motion Detection, Mask Alarm, IP Address Conflict
VCA	Tripwire/Perimeter	Tripwire/Perimeter	Tripwire/Perimeter
Audio In/Out	Mic in	Mic in	Mic in
Alarm In /Out	N/A	N/A	N/A
Memory slot	Built-in MicroSD card slot, up to 512 GB	Built-in MicroSD card slot, up to 512 GB	Built-in MicroSD card slot, up to 512 GB
Reset button	Yes	Yes	Yes
System compatibility	ONVIF (Profile S/T/G), SDK, Milestone , CGI (IE), P2P (Mutually exclusive with Profile G)	ONVIF (Profile S/T/G), SDK, Milestone , CGI (IE), P2P (Mutually exclusive with Profile G)	ONVIF (Profile S/T/G), SDK, Milestone , CGI (IE), P2P (Mutually exclusive with Profile G)
IR LED	2	2	8
IR range	Up to 50m	Up to 30m	Up to 30m
Warm light LED	N/A	N/A	N/A
Power supply unit	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)
Protection class	IP67	IP67	IP67, IK10
Operating conditions	-35~65 °C - 0~95% RH	-35~65 °C - 0~95% RH	-35~65 °C - 0~95% RH
Material	Default: Metal+Plastic; M: Metal	Default: Metal+Plastic; M: Metal	Metal+Plastic
Dimensions (L x H x D)	74.5 x 68 x 160.8 mm	ø 116.6 x 96 mm	ø 116.6 x 96 mm
Weight	0.48 kg	0.47 kg	0.47 kg



	1099/620	1099/621	1099/622
Image sensor	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
Max. resolution	8.0MP (3840×2160)	8.0MP (3840×2160)	8.0MP (3840×2160)
Min. lighting	Colour: 0.01Lux@ (F1.6, ACG ON), B/W: 0Lux with IR	Colour: 0.01Lux@ (F1.6, ACG ON), B/W: 0Lux with IR	Colour: 0.01Lux@ (F1.6, ACG ON), B/W: 0Lux with IR
Lens	2.8mm	2.8mm	2.8mm
Video compression	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG
Frame rate	3840×2160@20fps	3840×2160@20fps	3840×2160@20fps
WDR	120dB	120dB	120dB
Video enhancement	BLC/3D DNR/HLC/Corridor Format	BLC/3D DNR/HLC/Corridor Format	BLC/3D DNR/HLC/Corridor Format
Alarm activation	Motion Detection, Mask Alarm, Disk Full, Disk R/W Error, IP Address Conflict, MAC Address Conflict, FTP Server Exception	Motion Detection, Mask Alarm, Disk Full, Disk R/W Error, IP Address Conflict, MAC Address Conflict, FTP Server Exception	Motion Detection, Mask Alarm, Disk Full, Disk R/W Error, IP Address Conflict, MAC Address Conflict, FTP Server Exception
VCA	Tripwire/Perimeter	Tripwire/Perimeter	Tripwire/Perimeter
Audio In/Out	Mic in	Mic in	Mic in
Alarm In /Out	N/A	N/A	N/A
Memory slot	Built-in MicroSD card slot, up to 512 GB	Built-in MicroSD card slot, up to 512 GB	Built-in MicroSD card slot, up to 512 GB
Reset button	Yes	Yes	Yes
System compatibility	ONVIF (Profile S/T/G), SDK, Milestone , CGI, P2P (Mutually exclusive with Profile G)	ONVIF (Profile S/T/G), SDK, Milestone , CGI, P2P (Mutually exclusive with Profile G)	ONVIF (Profile S/T/G), SDK, Milestone , CGI, P2P (Mutually exclusive with Profile G)
IR LED	2	2	8
IR range	Up to 50m	Up to 30m	Up to 30m
Warm light LED	N/A	N/A	N/A
Power supply unit	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)
Protection class	IP67	IP67	IP67, IK10
Operating conditions	-35~65 °C - 0~95% RH	-35~65 °C - 0~95% RH	-35~65 °C - 0~95% RH
Material	Metal	Metal	Metal+Plastic
Dimensions (L x H x D)	74.5 x 68 x 160.8 mm	ø 116.6 x 96 mm	ø 120.4 x 90 mm
Weight	0.5 kg	0.5 kg	0.45 kg



	1099/521	1099/562	1099/563
Image sensor	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
Max. resolution	5.0MP (2592×1944)	5.0MP (2592×1944)	5.0MP (2592×1944)
Min. lighting	Colour: 0.002Lux@ (F1.6, ACG ON) B/W: 0Lux with IR	Colour: 0.002Lux@ (F1.6, ACG ON), B/W: 0Lux with IR	Colour: 0.002Lux@ (F1.6, ACG ON) B/W: 0Lux with IR
Lens	2.8-12 mm	2.8-12 mm	2.8-12 mm
Video compression	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264
Frame rate	2592×1944@20fps	2592×1944@20fps	2592×1944@20fps
WDR	120dB	120dB	120dB
Video enhancement	BLC/3D DNR/HLC	BLC/3D DNR/HLC	BLC/3D DNR/HLC
Alarm activation	Motion Detection, Mask Alarm, IP Address Conflict	Motion Detection, Mask Alarm, IP Address Conflict	Motion Detection, Mask Alarm, IP Address Conflict
VCA	Tripwire/Perimeter	Tripwire/Perimeter	Tripwire/Perimeter
Audio In/Out	Mic in	Mic in	Mic in
Alarm In /Out	N/A	N/A	N/A
Memory slot	Built-in MicroSD card slot, up to 512 GB	Built-in MicroSD card slot, up to 512 GB	Built-in MicroSD card slot, up to 512 GB
Reset button	Yes	Yes	Yes
System compatibility	ONVIF (Profile S/T/G), SDK, Milestone , CGI (IE), P2P (Mutually exclusive with Profile G)	ONVIF (Profile S/T/G), SDK, Milestone , CGI (IE), P2P (Mutually exclusive with Profile G)	ONVIF (Profile S/T/G), SDK, Milestone , CGI (IE), P2P (Mutually exclusive with Profile G)
IR LED	4	2	18
IR range	Up to 80m	Up to 30m	Up to 30m
Warm light LED	N/A	N/A	N/A
Power supply unit	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)
Protection class	IP67, IK10	IP67	IP67, IK10
Operating conditions	-35~65 °C - 0~95% RH	-35~65 °C - 0~95% RH	-35~65 °C - 0~95% RH
Material	Metal	Metal	Metal
Dimensions (L x H x D)	90 x 90 x 239 mm	∅ 132 x 100 mm	∅ 143 x 124 mm
Weight	0.93 kg	0.65 kg	0.86 kg



COLOR
MAKER



COLOR
MAKER



WI-FI



WI-FI

	1099/522	1099/564	1099/230	1099/330
Image sensor	1/1.8" CMOS	1/1.8" CMOS	1/2.9" CMOS	1/2.9" CMOS
Max. resolution	4.0MP (2560×1440)	4.0MP (2560×1440)	2.0MP (1920×1080)	2.0MP (1920×1080)
Min. lighting	Colour: 0.0002Lux@ (F1.0, ACG ON) B/W: 0Lux with LED on	Colour: 0.0004Lux@ (F1.6, ACG ON) B/W: 0Lux with LED on	Colour: 0.02Lux@ (F2.0, ACG ON), B/W: 0Lux with IR	Colour: 0.02Lux@ (F2.0, ACG ON), B/W: 0Lux with IR
Lens	4mm	2.8mm	4mm	2.8mm
Video compression	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264
Frame rate	2560×1440@25fps	2560×1440@25fps	1920×1080@30fps	1920×1080@30fps
WDR	120dB	120dB	Digital WDR	Digital WDR
Video enhancement	BLC/3D DNR/HLC	BLC/3D DNR/HLC	BLC/3D DNR/HLC	BLC/3D DNR/HLC
Alarm activation	Motion Detection, Mask Alarm, IP Address Conflict	Motion Detection, Mask Alarm, IP Address Conflict	Motion Detection, Mask Alarm, IP Address Conflict	Motion Detection, Mask Alarm, IP Address Conflict
VCA	Tripwire/Perimeter	Tripwire/Perimeter	N/A	N/A
Audio In/Out	Mic in	Mic in	Mic in	Mic in
Alarm In /Out	N/A	N/A	N/A	N/A
Memory slot	Built-in MicroSD card slot, up to 512 GB	Built-in MicroSD card slot, up to 512 GB	Built-in MicroSD card slot, up to 512 GB	Built-in MicroSD card slot, up to 512 GB
Reset button	Yes	Yes	Yes	Yes
System compatibility	ONVIF (Profile S/T/G), SDK, CGI (IE), P2P (Mutually exclusive with Profile G)	ONVIF (Profile S/T/G), SDK, CGI (IE), P2P (Mutually exclusive with Profile G)	ONVIF (Profile S/T/G), SDK, P2P (Mutually exclusive with Profile G)	ONVIF (Profile S/T/G), SDK, P2P (Mutually exclusive with Profile G)
IR LED	N/A	N/A	2	8
IR range	N/A	N/A	Up to 50m	Up to 30m
Warm light LED	4 pcs, 20~30m	2 pcs, 15~20m	N/A	N/A
Power supply unit	DC 12V±25%, PoE (802.3af)	DC 12V±25%, PoE (802.3af)	DC 12V±25%	DC 12V±25%
Protection class	IP67	IP67	IP67	IP67, IK10
Operating conditions	-35~65 °C - 0~95% RH	-35~65 °C - 0~95% RH	-35~65 °C - 0~95% RH	-35~65 °C - 0~95% RH
Material	Metal	Metal	Metal+Plastic	Metal+Plastic
Dimensions (L x H x D)	90 x 90 x 239 mm	∅ 132 x 100 mm	66 x 68 x 161 mm	∅ 120 x 90 mm
Weight	0.93 kg	0.64 kg	0.31 kg	0.39 kg

NEIUS PLATINUM

A line for the most qualified needs, an uncompromising product range that meets professional requirements in terms of video quality, system performance and behavioural analysis. Platinum distinguishes the “Top Performance” products in the Neius range.

The Platinum range is ideal for medium to large solutions in segments such as Public Safety, Transport, Industrial areas, Education and Retail.

MAIN FEATURES

- Starlight
- Built-in Mic/SD Card Slot/Reset Button
- Supports all the latest VCA functions
- **ONVIF** Profile S/T/G
- Human & Vehicle classification
- S+265







	1099/420	1099/470	1099/472*
Image sensor	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
Max. resolution	5.0MP (2592×1944)	5.0MP (2592×1944)	5.0MP (2592×1944)
Min. lighting	Colour: 0.002Lux@ (F1.6, ACG ON), B/W: 0Lux with IR	Colour: 0.002Lux@ (F1.6, ACG ON), B/W: 0Lux with IR	Colour: 0.002Lux@ (F1.6, ACG ON), B/W: 0Lux with IR
Lens	2.8mm	2.8mm	2.8mm
Video compression	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG
Frame rate	PAL: 25fps (2592×1944, 2592×1520, 2560×1440, 2304×1296), 50fps (1920×1080, 1280×720) NTSC: 30fps (2592×1944, 2592×1520, 2560×1440, 2304×1296), 60fps (1920×1080, 1280×720)		
Number of Video Streams	3	3	3
WDR	120dB	120dB	120dB
Video enhancement	BLC/3D DNR/HLC/Corridor Format	BLC/3D DNR/HLC/Corridor Format	BLC/3D DNR/HLC/Corridor Format
VCA	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Crowded, People Counting, On Duty Detection, Video Abnormal, Audio Abnormal, Heatmap, Face Capture (Face Detection), Safety Helmet Detection, Human/Vehicle Classification		
Face capture/recognition	Face Capture Mode	Face Capture Mode	Face Capture Mode
Audio In/Out	1/1, Mic in	1/1, Mic in	1/1, Mic in
Alarm In /Out	1/1	1/1	1/1
Memory slot	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB
System compatibility	ONVIF (PROFILE S/T/G), SDK, Milestone , CGI, P2P	ONVIF (PROFILE S/T/G), SDK, Milestone , CGI, P2P	ONVIF (PROFILE S/T/G), SDK, Milestone , CGI, P2P
IR LED	2	2	8
IR range	Up to 50m	Up to 30m	Up to 30m
Warm light LED	N/A	N/A	N/A
Power supply unit	DC12V±25%/PoE	DC12V±25%/PoE	DC12V±25%/PoE
Protection class	IP67	IP67	IP67, IK10
Operating conditions	-40~65 °C - 0~95% RH	-40~65 °C - 0~95% RH	-40~65 °C - 0~95% RH
Material	Metal	Metal	Metal
Dimensions (L x H x D)	47.5 x 68 x 160.8 mm	ø 116.6 x 96 mm	ø 120.4 x 90 mm
Weight	0.5 kg	0.5 kg	0.45 kg

*On demand. Please contact our sales network to verify product availability.



	1099/623*	1099/723*	1099/724*
Image sensor	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
Max. resolution	8.0MP (3840×2160)	8.0MP (3840×2160)	8.0MP (3840×2160)
Min. lighting	Colour: 0.001Lux@ (F1.6, ACG ON), B/W: 0Lux with IR	Colour: 0.001Lux@ (F1.6, ACG ON), B/W: 0Lux with IR	Colour: 0.001Lux@ (F1.6, ACG ON), B/W: 0Lux with IR
Lens	2.8mm	2.8mm	2.8mm
Video compression	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG
Frame rate	PAL: 20fps (3840×2160, 3072×2048), 25fps (2560×1440, 2304×1296, 1920×1080, 1280×720) NTSC: 20fps (3840×2160, 3072×2048), 30fps (2560×1440, 2304×1296, 1920×1080, 1280×720)		
Number of Video Streams	3	3	3
WDR	120dB	120dB	120dB
Video enhancement	BLC/3D DNR/HLC/Corridor Format	BLC/3D DNR/HLC/Corridor Format	BLC/3D DNR/HLC/Corridor Format
VCA	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Crowded, People Counting, On Duty Detection, Video Abnormal, Audio Abnormal, Heatmap, Face Capture (Face Detection), Safety Helmet Detection, Human/Vehicle Classification		
Face capture/recognition	Face Capture Mode	Face Capture Mode	Face Capture Mode
Audio In/Out	1/1, Mic in	1/1, Mic in	1/1, Mic in
Alarm In /Out	1/1	1/1	1/1
Memory slot	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB
System compatibility	ONVIF (PROFILE S/T/G), SDK, CGI, P2P	ONVIF (PROFILE S/T/G), SDK, CGI, P2P	ONVIF (PROFILE S/T/G), SDK, CGI, P2P
IR LED	2	2	8
IR range	Up to 50m	Up to 30m	Up to 30m
Warm light LED	N/A	N/A	N/A
Power supply unit	DC12V±25%/PoE	DC12V±25%/PoE	DC12V±25%/PoE
Protection class	IP67	IP67	IP67, IK10
Operating conditions	-40~65 °C - 0~95% RH	-40~65 °C - 0~95% RH	-40~65 °C - 0~95% RH
Material	Metal	Metal	Metal
Dimensions (L x H x D)	74.5 x 68 x 160.8 mm	ø 116.6 x 96 mm	ø 120.4 x 90 mm
Weight	0.5 kg	0.5 kg	0.45 kg

*On demand. Please contact our sales network to verify product availability.



	1099/421	1099/471
Image sensor	1/2.8" CMOS	1/2.8" CMOS
Max. resolution	5.0MP (2592×1944)	5.0MP (2592×1944)
Min. lighting	Colour: 0.001Lux@ (F1.3, ACG ON), B/W: 0Lux with IR	Colour: 0.001Lux@ (F1.6, ACG ON), B/W: 0Lux with IR
Lens	2.7-13.5mm	2.7-13.5mm
Video compression	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG
Frame rate	PAL: 25fps (2592×1944, 2592×1520, 2560×1440, 2304×1296), 50fps (1920×1080, 1280×720) NTSC: 30fps (2592×1944, 2592×1520, 2560×1440, 2304×1296), 60fps (1920×1080, 1280×720)	
Number of Video Streams	3	3
WDR	120dB	120dB
Video enhancement	BLC/3D DNR/HLC/Corridor Format	BLC/3D DNR/HLC/Corridor Format
VCA	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Crowded, People Counting, On Duty Detection, Video Abnormal, Audio Abnormal, Heatmap, Face Capture (Face Detection), Safety Helmet Detection, Human/Vehicle Classification	
Face capture/recognition	Face Capture Mode	Face Capture Mode
Audio In/Out	1/1	1/1, Mic in
Alarm In /Out	2/1	2/1
Memory slot	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB
System compatibility	ONVIF (PROFILE S/T/G), SDK, Milestone , CGI, P2P	ONVIF (PROFILE S/T/G), SDK, Milestone , CGI, P2P
IR LED	4	2
IR range	Up to 80m	Up to 50m
Warm light LED	N/A	N/A
Power supply unit	DC12V±25%/PoE	DC12V±25%/PoE
Protection class	IP67, IK10	IP67
Operating conditions	-35~65 °C - 0~95% RH	-35~65 °C - 0~95% RH
Material	Metal	Metal
Dimensions (L x H x D)	95 x 83.2 x 264.3 mm	ø 132 x 100 mm
Weight	1.15 kg	0.65 kg



	1099/474*
Image sensor	1/2.8" CMOS
Max. resolution	5.0MP (2592×1944)
Min. lighting	Colour: 0.001Lux@ (F1.6, ACG ON), B/W: 0Lux with IR
Lens	2.7-13.5mm
Video compression	S+265/H.265/H.264/M-JPEG
Frame rate	PAL: 25fps (2592×1944, 2592×1520, 2560×1440, 2304×1296), 50fps (1920×1080, 1280×720) NTSC: 30fps (2592×1944, 2592×1520, 2560×1440, 2304×1296), 60fps (1920×1080, 1280×720)
Number of Video Streams	3
WDR	120dB
Video enhancement	BLC/3D DNR/HLC/Corridor Format
VCA	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Crowded, People Counting, On Duty Detection, Video Abnormal, Audio Abnormal, Heatmap, Face Capture (Face Detection), Safety Helmet Detection, Human/Vehicle Classification
Face capture/recognition	Face Capture Mode
Audio In/Out	1/1, Mic in
Alarm In /Out	2/1
Memory slot	Built-in Micro SD card slot, up to 512 GB
System compatibility	ONVIF (PROFILE S/T/G), SDK, CGI, P2P
IR LED	18
IR range	Up to 50m
Warm light LED	N/A
Power supply unit	DC12V±25%/PoE
Protection class	IP67, IK10
Operating conditions	-35~65 °C - 0~95% RH
Material	Metal
Dimensions (L x H x D)	ø 143 x 124 mm
Weight	0.95 kg

*On demand. Please contact our sales network to verify product availability.



	1099/720	1099/721	1099/722
Image sensor	1/2.8" CMOS	1/2.8" CMOS	1/2.8" CMOS
Max. resolution	8.0MP (3840×2160)	8.0MP (3840×2160)	8.0MP (3840×2160)
Min. lighting	Colour: 0.01Lux@ (F1.6, ACG ON), B/W: 0Lux with IR	Colour: 0.01Lux@ (F1.6, ACG ON), B/W: 0Lux with IR	Colour: 0.01Lux@ (F1.6, ACG ON), B/W: 0Lux with IR
Lens	2.7-13.5mm	2.7-13.5mm	2.7-13.5mm
Video compression	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG
Frame rate	PAL: 20fps (3840×2160, 3072×2048), 25fps (2560×1440, 2304×1296, 1920×1080, 1280×720) NTSC: 20fps (3840×2160, 3072×2048), 30fps (2560×1440, 2304×1296, 1920×1080, 1280×720)		
Number of Video Streams	3	3	3
WDR	120dB	120dB	120dB
Video enhancement	BLC/3D DNR/HLC/Corridor Format	BLC/3D DNR/HLC/Corridor Format	BLC/3D DNR/HLC/Corridor Format
VCA	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Crowded, People Counting, On Duty Detection, Video Abnormal, Audio Abnormal, Heatmap, Face Capture (Face Detection), Safety Helmet Detection, Human/Vehicle Classification		
Face capture/recognition	Face Capture Mode	Face Capture Mode	Face Capture Mode
Audio In/Out	1/1	1/1, Mic in	1/1, Mic in
Alarm In /Out	2/1	2/1	2/1
Memory slot	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 512 GB
System compatibility	ONVIF (PROFILE S/T/G), SDK, Milestone , CGI, P2P	ONVIF (PROFILE S/T/G), SDK, Milestone , CGI, P2P	ONVIF (PROFILE S/T/G), SDK, Milestone , CGI, P2P
IR LED	4	2	18
IR range	Up to 80m	Up to 50m	Up to 50m
Warm light LED	N/A	N/A	N/A
Power supply unit	DC12V±25%/PoE	DC12V±25%/PoE	DC12V±25%/PoE
Protection class	IP67, IK10	IP67	IP67, IK10
Operating conditions	-35~65 °C - 0~95% RH	-35~65 °C - 0~95% RH	-35~65 °C - 0~95% RH
Material	Metal	Metal	Metal
Dimensions (L x H x D)	95 x 83.2 x 264.3 mm	ø 132 x 100 mm	ø 143 x 124 mm
Weight	1.15 kg	0.65 kg	0.95 kg



	1099/240	1099/625*	1099/650
Image sensor	1/2.8" CMOS	1/1.8" CMOS	1/1.7" CMOS
Max. resolution	2.0MP (1920×1080)	8.0MP (3840X2160)	12.0MP (4000×3072)
Min. lighting	Colour: 0.002Lux@ (F1.6, ACG ON)	Colour: 0.01Lux@ (F1.35, ACG ON)	Colour: 0.05Lux@ (F2.8, ACG ON), B/W: 0Lux with IR
Lens	4mm	10-47mm	1.98mm
Video compression	S+265/H.265/H.264	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG
Frame rate	PAL: 25fps (1920×1080, 1280×720, 704×576, 640×480) NTSC: 30fps (1920×1080, 1280×720, 704×480, 640×480)	3840X2160@30fps	4000×3072@20fps
Number of Video Streams	3	3	2
WDR	120dB	120dB	Digital WDR
Video enhancement	BLC/3D DNR/HLC/Corridor Format	BLC/3D DNR/HLC/Corridor Format	BLC/3D DNR/HLC
VCA	People Counting	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Crowded, People Counting, On Duty Detection, Video Abnormal, Audio Abnormal, Heatmap, Face Capture(Face Detection), Safety Helmet Detection, Human/Vehicle Classification	Tripwire, Double Tripwire, Perimeter, Video Abnormal, Audio Abnormal, Heat Map
Face capture/recognition	N/A	Face Capture Mode	N/A
Audio In/Out	1/1	1/1	1/1, Mic in
Alarm In /Out	2/1	1/1	2/1
Memory slot	Built-in Micro SD card slot, up to 512 GB	Built-in Micro SD card slot, up to 128 GB	Built-in Micro SD card slot, up to 128 GB
System compatibility	ONVIF (PROFILE S/T/G), SDK, Milestone , CGI, P2P	ONVIF (PROFILE S/T), SDK, CGI, P2P	ONVIF (PROFILE S), SDK, CGI, P2P
IR LED	N/A	N/A	3
IR range	N/A	N/A	Up to 20m
Warm light LED	N/A	6, up to 45m	N/A
Power supply unit	DC12V±25%/PoE	AC24V±25%	DC12V±10%/AC24V±25%/PoE
Protection class	IP66	IP67	IP66, IK10
Operating conditions	-35~65 °C - 0~95% RH	-35~65 °C - 0~95% RH	-35~65 °C - 0~95% RH
Material	Metal + Plastic	Metal	Metal + Plastic
Dimensions (L x H x D)	ø 118.5 x 41 mm	167.6 x 175.5 x 372.9 mm	ø 155 x 54 mm
Weight	0.32 kg	3 kg	0.75 kg

*On demand. Please contact our sales network to verify product availability.

NEIUS APP

NEIUS is a video surveillance application for iOS and Android systems, smartphones, pads and tablets. It is compatible with all NEIUS NVR/IP and PTZ cameras and allows remote management of the CCTV system directly from a smartphone or tablet. In the event of an alarm or on request, the app can be accessed for live viewing, including audio transmission, or access to recorded video.

MAIN FUNCTIONS

- Audio/video Multi-channel Live Stream
- Multi-channel remote Playback
- Local playback
- Push notification in case of alarm
- Portrait and landscape mode
- PTZ control. Preset settings and recall
- Capture Image and Video
- Multi-device support

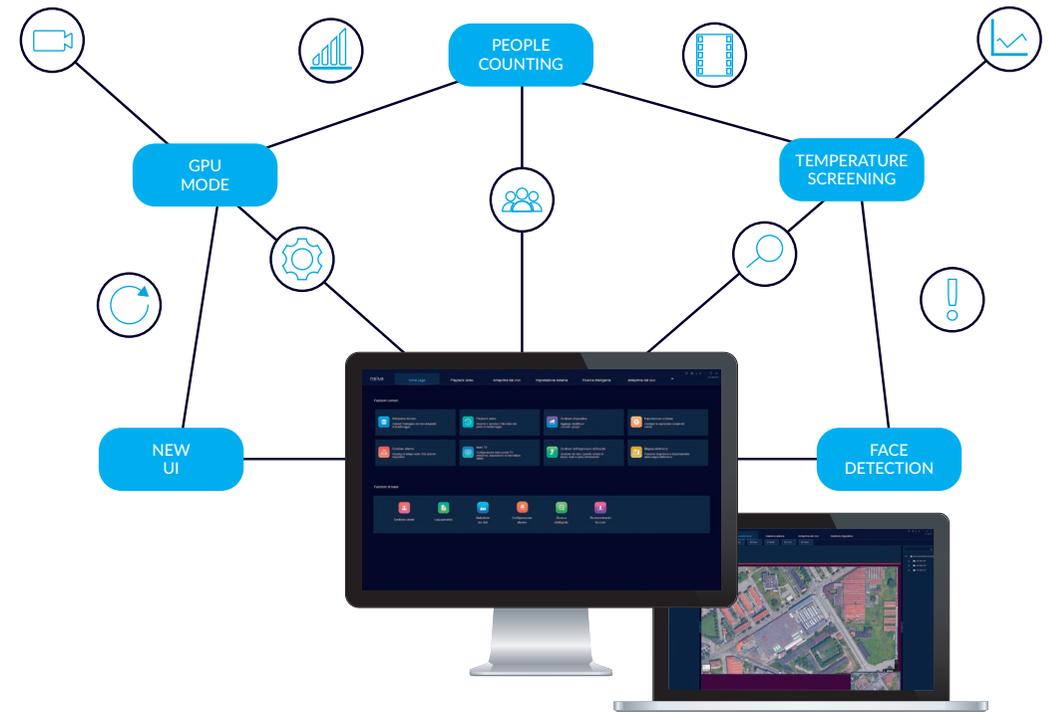


NEIUS CONTROL

THIS is the SW platform for managing Neius systems.
Enables the centralisation of cameras, PTZ units and NVRs.
Intended for Neius Control medium to large applications,
it allows the connection of up to 200 devices or 512 video channels.
Supports preview, playback, alarm, two-way audio, PTZ control,
user and event management, archiving, people and vehicle counting.

Neius Control's performance is supplemented by an e-Map setting
for system control, body temperature readings (via bi-spectrum cameras)
and face detection and recognition management.

Neius Control is supplied with all Neius products,
enhancing the system capabilities of individual devices.



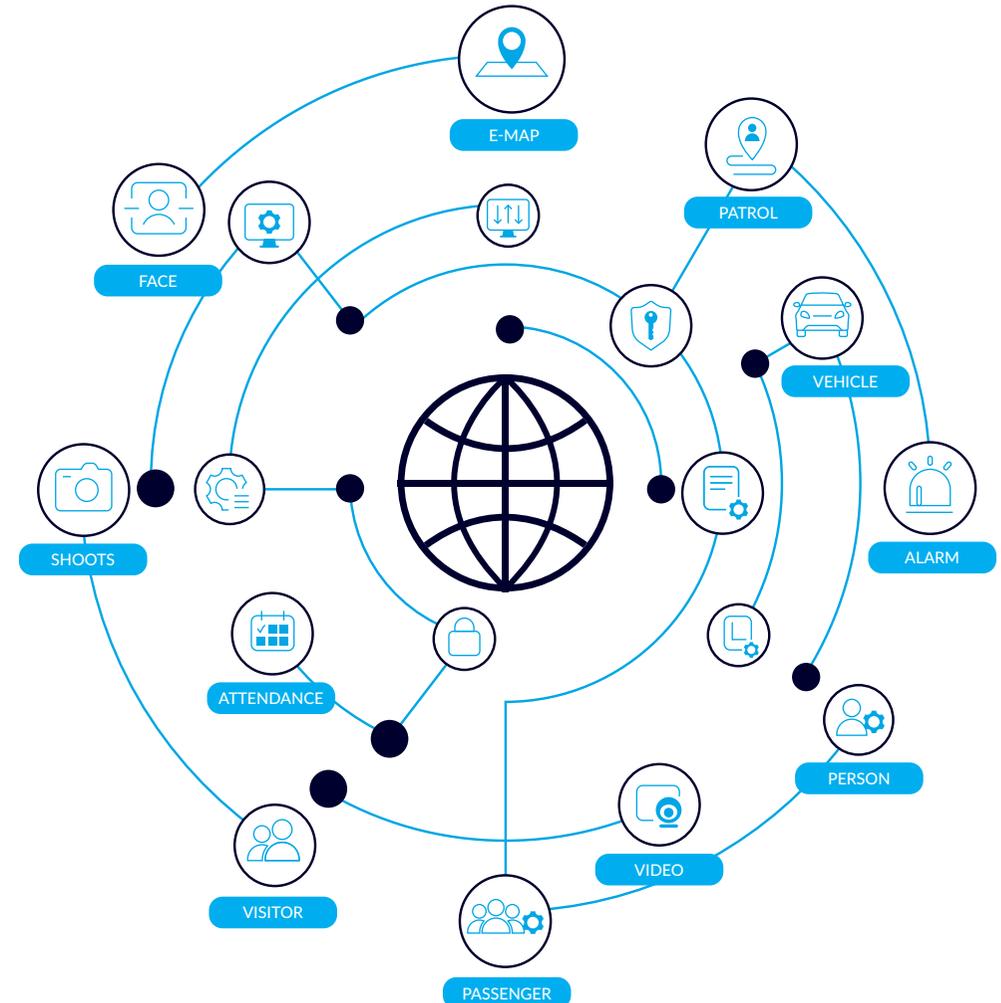
NEIUS MANAGER

Neius Manager software is the core of the video surveillance platform: powerful, scalable and reliable.

Neius Manager supports CentOS-based video stream distribution and can manage up to 300,000 surveillance points.

It provides a wide range of functions such as video monitoring, alarm query, face surveillance, personnel query, vehicle query, event management, archiving management, E-Map, attendance management, flow management.

Neius Manager is suitable for large systems and can be easily managed via the Chrome browser or mobile device on both Android and iOS.



THERMAL

Complete solutions for a variety of applications.

Body temperature detection products are ideal for prevention activities in a variety of application areas.

The thermal PTZ unit enables the detection of smoke and fire in medium to large areas.



TERMOCAMERA 1099/810

The camera uses an uncooled vanadium oxide detector, which has high temperature measurement accuracy and a good imaging effect. The dual lens enable body temperature detection and is combined with a standard 4M resolution IP image. The hybrid thermal camera is the perfect solution for medium to high traffic areas. Used in conjunction with the Black Body 3000/260 accessory, the body temperature detection accuracy is increased up to $\pm 0.3^{\circ}\text{C}$.

MAIN FEATURES

- Thermal and Optical Bi-Spectrum
- Integrated Microphone and Speaker
- Video Analysis



3000/264

FLOOR TRIPOD FOR PORTABLE THERMAL IMAGING CAMERA

Aluminium alloy material
Three section leg
Height adjustable from 62 cm to 160 cm
Weight 1.28 kg
Maximum load-bearing capacity of 3 kg



3000/260

BLACK BODY

Dimensions (L x H x D): 350 x 1040 x 395 mm



1099/810

Image sensor	Vanadium Oxide Uncooled Focal Plane Arrays	Optical zoom	N/A
Focusing	Fixed, 3.2mm	Video enhancement	BLC/3D DNR/HLC
Thermal resolution	256×192	VCA	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Video Abnormal, Audio Abnormal
Pixel interval	12μm	Audio	1/1, Mic in
Response wavelength range	8μm~14μm	Alarms	2/1
NETD	≤50mK@25, F1.1, 25Hz	Memory slot	Built-in MicroSD card slot, up to 256 GB
Measuring interval	30°C (86°F)~45°C (113°F)	System compatibility	ONVIF (PROFILE S), SDK, CGI, P2P
Field of vision	Horizontal: 51°, Vertical: 38.2°	IR LED	N/A
Measuring precision	±0.5~, ±0.3~ with Blackbody	White LED	1
Main Stream (Thermal)	25fps (1280×960, 1024×768, 640×480, 256×192) 25fps (1280×960, 1024×768, 640×480, 256×192)	Power supply	DC12V±20%/PoE
Image sensor	1/1.8"	Protection class	IP67
Resolution	4.0MP (2560×1440)	Operating conditions	10 °C~30 °C
Frame rate	PAL: 25fps (2560×1440, 1920×1080, 1280×720, 704×576) NTSC: 25fps (2560×1440, 1920×1080, 1280×720, 704×576)	Dimensions (L x H x D)	114 x 107 x 330 mm
Min. lighting	Colour: 0.0002Lux@ (F1.0, ACG ON), B/W: 0Lux with IR	Weight	1.3 kg
WDR	120dB		

TERMOCAMERA 1099/820

The Speed Dome uses an uncooled vanadium oxide detector, which has high temperature measurement accuracy and a good imaging effect. The 50mm thermal lens with 384x288 resolution allows for fire detection combined with a standard 5M resolution IP image. It is the ideal solution for large areas where high safety requirements are required.

MAIN FEATURES

- Thermal and Optical Bi-Spectrum
- Integrated Microphone and Speaker
- Video Analysis



1099/820*

Image sensor	Vanadium Oxide Uncooled Focal Plane Arrays	Optical zoom	44x
Focusing	Fixed 50mm	Video enhancement	BLC/3D DNR/HLC
Resolution	384x288	VCA	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object, Lost, Loitering, Running, Parking, Heatmap, Video Abnormal, Crowd, Audio Abnormal, Demographics (People Counting), On Duty Detection, Safety Helmet Detection, Auto tracking, Face Capture, Early Warning, Fire Detection, Temperature Alarm
Pixel interval	17μm	Audio	1/1
Response wavelength range	8μm~14μm	Alarms	8/2
NETD	40mK@f/1.0	Memory slot	Built-in Micro SD card slot, up to 256 GB
Measuring interval	-	System compatibility	ONVIF (PROFILE S/T), SDK, CGI, P2P
Field of vision	Horizontal: 7.5°, Vertical: 5.6°	IR LED	11 pcs, 200m
Measuring precision	-	White LED	2
Main Stream (Thermal)	PAL: 25fps (384x288), NTSC: 30fps (320x288)	Power supply	AC24V±15%
Image sensor	1/1.8"	Protection class	IP67
Resolution	5.0MP (3072x1728)	Operating conditions	-40 °C~70 °C (IR OFF), -40 °C~40 °C (IR ON), 0-95%RH
Video flow	PAL: 25fps (3072x1728), 50fps (2560x1440, 2304x1296, 1920x1080, 1280x720, 704x576, 640x480) NTSC: 30fps (3072x1728), 60fps (2560x1440, 2304x1296, 1920x1080, 1280x720, 704x480, 640x480)	Dimensions (L x H x D)	ø 445 x 700 mm
Min. lighting	Colour: 0.001lux@ (F1.6, ACG ON), BW: 0lux with IR	Weight	11.85 kg
WDR	140dB		

*On demand. Please contact our sales network to verify product availability.

BODY TEMPERATURE DETECTION PANEL

Equipped with a high precision sensor, Urmet's body temperature detection panel is an all-in-one device that's capable of carrying out thermometric readings and identifying subjects with abnormal temperatures, and can even detect the presence of face masks.

HOW DOES THE BODY TEMPERATURE DETECTION PANEL WORK?

It's easy to use, and this makes it the ideal solution for monitoring access to areas that require an orderly flow of entry.

In fact, all the data detected by the infrared temperature sensor and the integrated video camera appear on the display in real time, providing a 98% accurate analysis in less than one second.

MAIN FEATURES

- Temperature reading accuracy ± 0.3 °C
- Integrated speaker
- Reading speed > 1s
- Push notification on V-Stream app
- Access control with list of allowed and forbidden faces



3000/262



3000/261



3000/265

TABLETOP BASE IN 3 MM BLACK DIBOND STRUCTURE

Two coloured Plexiglas elements backlit by 6000 k white LED strips and electrical assembly with thermal scanner.
Complete with front compartment for hand sanitiser dispenser.
Dimensions (L x H x D): 250 x 350 x 300 mm

FLOOR-STANDING BASE IN 3 MM BLACK DIBOND STRUCTURE

Complete with transparent Plexiglas compartment for A4 format documents and front compartment for hand sanitiser dispenser.
Two coloured Plexiglas elements backlit by 6000 k white LED strips.
Dimensions (L x H x D): 250 x 1300 x 300 mm

FLOOR-STANDING BASE IN 3 MM BLACK DIBOND STRUCTURE

Dimensions (L x H x D): 350 x 1040 x 395 mm



1099/811

CPU	Hi3516CV500	Standard coding	G.711U
System	Embedded LINUX system	Output audio	External 8Ω / MAX 1.5W speaker
Sensor	1/2.8 IMX327	Sensor	MLX90614DCI
Codec	H.264/H.265	Temperature range	30-45 (°C)
Standard	PAL 50HZ/NTSC 60HZ	Accuracy	± 0.3 °C
Resolution	1920*1080/1280*720	Video mode	Manual recording, alarm recording, timing recording
Screen size	7" HD LCD	Video saving	PC client / NVR
Video flow	128kbps-12288kbps (Default VBR)	Alarm output (2pin)	3.3V (Normal) - 0V (Alarm)
Signal to noise ratio	≥69dB	Alarm output (4pin)	NO (2pin) / NC (2pin)
Sensitivity	DAY 1Lux, Night 0.01Lux	Network Protocol	HTTP,TCP/IP,IPV4,UPNP,RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPOE, DDNS, FTP,IP
IR Mode	Auto (passive mode) / day / night / auto (active mode) / timing	Power supply	DC-12V
Auto white balance (AWB)/ backlight compensation (BLC)	AUTO	Absorption	1A
Automatic electronic shutter (AES)	AUTO/ 1/50 (1/60) -1/100,000sec	Operating conditions	-20 °C~65 °C
Video output	Easytool/ /APP V-Stream /7 "HD LCD	Dimensions (L x H x D)	120 x 367 x 94 mm
Snapshot Function	Support	Weight	2.18 Kg
Standard coding	G.711U		

QR-CODE READER FOR GREEN PASS PRELIMINARY ANALYSIS

1099/812 is a professional QR code reader for the EU COVID Digital Certificate.

The reader quickly reads both codes printed on paper and codes directly from the smartphone screen.

Through the 5" monitor the graphic interface displays the result of the code reading.

The result of the reading is confirmed by a voice message.

The reader uses the public cryptographic keys of the EU countries and updates automatically after Wi-Fi connection (once a day).

It can be combined with the 1099/811 thermoscanner, thus adding the Green Pass control function to the device that manages mask and temperature verification and possibly facial recognition.

More generally, the device can be integrated with any access control system, as it has an output capable of controlling a gate or turnstile.





1099/812

System parameters	Screen	5 inch screen, Resolution 800*480	Electric Parameters	Power supply	5V/2A
	Audio	Voice output (Support customise by MP3 file)		Reset	On button
	Interface	MIPI		LED indicator	Blue
	Wi-Fi	2.4GHz IEEE802.11 b/g/n	Environmental Parameters	Temperatures	-10 °C ~ +60 °C
	Multi-language	Italian, French, German, English, Spanish		Humidity	≤ 95% (without condensation)
Performance	Sensor	CMOS	Physical Parameters	Interface	1 RJ45, 1 NC dry contact and 1 NO, 1 power jack
	DPI (H x W)	640px * 480px		Dimensions (L x H x D)	86.8 x 164.6 x 20.6 mm
	2D Codes	PDF417, Data Matrix, QR, Micro QR		Weight	360 g
	Camera opening	horizontal: 68° vertical: 51° diagonal: 84.8°			
	QR Detection	vertical rotation: ±60° horizontal rotation: ±60° deflection: 360°			
	Accuracy	≥3mil			
	Contrast ratio	≥20%			
	Indicators	Buzzer, LED			

PORTABLE THERMAL IMAGING CAMERA 1099/809

Thanks to its versatility and flexibility, Urmet's portable thermal camera is the ideal solution for conducting checks at uncontrolled entrances, as well as for more structured temperature detection activities.

The portable thermal camera can be supplied to properly trained personnel in order to carry out individual checks, or else can be mounted on a tripod and connected to a local server to handle heavier traffic flows.

In both cases, the thermal camera is directed at the subject whose temperature is to be measured, and can take effective measurements from a distance of up to 1 metre.

The device also allows the user to check the data collected using an analysis software, and to configure an alarm to be received if a temperature above the threshold is detected.

MAIN FEATURES

- Temperature measurement range: 30 °C ~ 45 °C
- Precision: ± 0.5 °C (1 m)
- Snapshot function with SD card storage
- Analysis and verification software
- Point temperature measurement
- Transmission of images in real time



3000/264

FLOOR TRIPOD FOR PORTABLE THERMAL IMAGING CAMERA

Aluminium alloy material

Three section leg

Height adjustable from 62 cm to 160 cm

Weight 1.28 kg

Maximum load-bearing capacity of 3 kg



1099/809

Sensor	Uncooled focal plane	Temperature measuring point	Besides central point, 3 temperature measuring points can be added
Temperature measurement range	30 °C~45 °C	Lens camera	Yes
Resolution	0.1 °C	Lens resolution	640×480
Accuracy	±0.5 °C @1m	Display resolution	320×240
Optimum measuring distance	15cm	Image overlap ratio	0% (total visible light), 25%, 50%, 75%, 100% (total thermal imagery)
Response time	≤500ms (95% of reading)	PC software analysis	Yes
IR resolution	19200 (160×120)	Transmission of images in real time	YES (PC software image projection)
Pixel size	12μm	Data transmission	Type-C USB
Colour palette	Iron red, rainbow, white, black, red, lava, high-contrast rainbow	Automatic switch-off	Selectable (5min, 10min, 30min), 30min auto power off (default)
Infrared spectrum band	8~14μm	Battery duration	≥6 hours
Field of vision (FOV)	56°(H) × 42°(V)	Charging time	≤5 hours
Spatial resolution (IFOV)	6mrad	Charging voltage/current	5V/2A
Noise Equivalent Temperature Difference (NETD)	<50mk	Image storage	Micro SD card
Frame rate	<9Hz	Power supply	A single Li-ion 3.7V/5000mAh 26650 battery
Temperature display	Center temperature measurement and high temperature tracking (default)	Screen	2.8" TFT LCD
Image format	BMP	Product colour	Red & grey
Buttons	10 buttons: POWER button, Camera button, Return button, Navigation buttons, SET button, SET button, Browsing button, LED lighting button	Dimensions (L x H x D)	236 x 86 x 75.5 mm
Image Mode	Thermal imagery, digital camera (visible light), fushion	Standard Accessories	Manual, Type-C USB cable, 16GB TF card
		Standard carton gross weight	2.2 kg

PTZ

A complete and professional range ideal for meeting the main system requirements in various application contexts.

The solutions include PTZ cameras with optical zooms from 4X to 44X.

All units can be powered by PoE and include (depending on the model) a suite of intelligent video analysis algorithms that can be combined with autotracking.







1099/391

1099/394

	1099/391	1099/394
Image sensor	1/2.8"	1/2.8"
Resolution	2.0MP (1920×1080)	2.0MP (1920×1080)
Frame rate	PAL: 25fps (1920×1080, 1280×960), 50fps (1280×720) NTSC: 30fps (1920×1080, 1280×960), 60fps (1280×720)	PAL: 25fps (1920×1080, 1280×720, 704×576, 640×480) NTSC: 30fps (1920×1080, 1280×720, 704×480, 640×480)
Min. lighting	Colour: 0.002lux@ (F1.4, ACG ON), BW: 0lux with IR	Colour: 0.001lux@ (F1.5, ACG ON), BW: 0lux with IR
WDR	120dB	140dB
Optical zoom	4×	25×
Digital Zoom	16×	16×
Video compression	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG
Navigation (Cruise)	16, up to 32 presets per cruise	16, up to 32 presets per cruise
Presets	500	500
Auto-Tracking	N/A	N/A
Video enhancement	BLC/3D DNR/HLC	BLC/3D DNR/HLC
VCA	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Face Detection, Crowded, Video Abnormal, Audio Abnormal, Heatmap	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Video Abnormal, Face Capture
Audio In/Out	1/1	N/A
Alarm In /Out	2/1	N/A
Memory slot	Built-in Micro SD card slot, up to 128 GB	Built-in Micro SD card slot, up to 256 GB
System compatibility	ONVIF (PROFILE S), SDK, CGI, P2P	ONVIF (PROFILE S/T), SDK, CGI, P2P
IR LED	3 pcs, 30m	6 pcs, 150m
White LED	1	N/A
Laser	N/A	N/A
Power supply	DC12V±10%/POE	DC12V±10%/POE+
Protection class	IP40	IP67
Operating conditions	-10 °C~50 °C, 0-90%RH	-30 °C~65 °C (IR OFF), -30 °C~40 °C (IR ON), 0-95%RH
Dimensions (L x H x D)	ø 141 x 152 mm	ø 222 x 372 mm
Weight	0.85 kg	4.95 kg



	1099/396*	1099/395
Image sensor	1/2.8"	1/2.8"
Resolution	2.0MP (1920×1080)	5.0MP(2592×1080)
Frame rate	PAL: 50fps (1920×1080, 1280×720, 704×576, 640×480) NTSC: 60fps (1920×1080, 1280×720, 704×480, 640×480)	PAL: 25fps (2592×1944, 2592×1520, 2560×1440, 2304×1296), 50fps (1920×1080, 1280×720, 704×576, 640×480) NTSC: 30fps (2592×1944, 2592×1520, 2560×1440, 2304×1296), 60fps (1920×1080, 1280×720, 704×480, 640×480)
Min. lighting	Colour: 0.001lux@ (F1.5, ACG ON), BW: 0lux with IR	Colour: 0.001lux@ (F1.5, ACG ON), BW: 0lux with IR
WDR	140dB	140dB
Optical zoom	33×	30×
Digital zoom	16×	16×
Video compression	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG
Navigation (Cruise)	16, up to 32 presets per cruise	16, up to 32 presets per cruise
Presets	500	500
Auto-Tracking	Yes	Yes
Video enhancement	BLC/3D DNR/HLC	BLC/3D DNR/HLC
VCA	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Heatmap, Video Abnormal, Crowd, Audio Abnormal, Demographics (People Counting), On Duty Detection, Safety Helmet Detection, Auto tracking, Face Capture	
Audio In/Out	1/1	1/1
Alarm In /Out	8/2	8/2
Memory slot	Built-in Micro SD card slot, up to 256 GB	Built-in Micro SD card slot, up to 256 GB
System compatibility	ONVIF (PROFILE S/T), SDK, CGI, P2P	ONVIF (PROFILE S/T), SDK, CGI, P2P
IR LED	10 pcs, 200m	10 pcs, 200m
White LED	N/A	N/A
Laser	N/A	N/A
Power supply	AC24V±15%/POE++	AC24V±15%/POE++
Protection class	IP67	IP67
Operating conditions	-40 °C~70 °C (IR OFF), -40 °C~40 °C (IR ON), 0-95%RH	-40 °C~70 °C (IR OFF), -40 °C~40 °C (IR ON), 0-95%RH
Dimensions (L x H x D)	ø 222 x 372 mm	ø 222 x 372 mm
Weight	5.3 kg	5.3 kg

*On demand. Please contact our sales network to verify product availability.



1099/397*

1099/398*

Image sensor	1/1.8"	PTZ-bullet: 1/1.8" Speed Dome: 1/1.8"
Resolution	5.0MP (3072×1728)	5.0MP/5.0MP (3072×1728)
Frame rate	PAL: 20fps (3072×1728), 25fps (2560×1440, 2304×1296), 50fps (1920×1080, 1280×960, 1280×720) NTSC: 20fps (3072×1728), 30fps (2560×1440, 2304×1296), 60fps (1920×1080, 1280×960, 1280×720)	PTZ bullet: 3072×1728@20fps Speed Dome: 3072×1728@20fps
Min. lighting	Colour: 0.0008Lux@ (F1.6, ACG ON)	PTZ bullet: Colour: 0.0008Lux@ (F1.36, ACG ON), BW: 0lux with IR Speed Dome: Colour: 0.0008Lux@ (F1.35, ACG ON), BW: 0lux with IR
WDR	140dB	PTZ-bullet: 120dB Speed Dome: 140dB
Optical zoom	44×	PTZ-bullet: 4× Speed Dome: 6×
Digital Zoom	16×	16×
Video compression	S+265/H.265/H.264/M-JPEG	S+265/H.265/H.264/M-JPEG
Navigation (Cruise)	16, up to 32 presets per cruise	Speed Dome: 16, up to 32 presets per cruise
Presets	500	PTZ-bullet: 256 Speed Dome: 500
Auto-Tracking	Yes	Yes
Video enhancement	BLC/3D DNR/HLC	BLC/3D DNR/HLC
VCA	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Face Detection, People Counting, Crowded, On Duty Detection, Video Abnormal, Audio Abnormal, Heatmap, Safety Helmet Detection	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Heatmap, Video Abnormal, Crowded, Audio Abnormal, People Counting, On Duty Detection, Safety Helmet Detection, Auto tracking, Face Capture
Audio In/Out	1/1	2 Mic, 1/1
Alarm In /Out	8/2	3/2
Memory slot	Built-in Micro SD card slot, up to 128 GB	Built-in Micro SD card slot, up to 512 GB
System compatibility	ONVIF (PROFILE S), SDK, CGI, P2P	ONVIF (PROFILE S/T/G), SDK, CGI, P2P
IR LED	8 pcs, 180m	6 pcs, 100m
White LED	2	4 pcs, 30m
Laser	N/A	N/A
Power supply	AC24V±15%	AC24V±15%, DC24V±10%
Protection class	IP66	IP66
Operating conditions	-30 °C~65 °C, 0-95%RH	-40 °C~70 °C, 0-95%RH
Dimensions (L x H x D)	ø 222 x 372 mm	344 x ø 191 x 350 mm
Weight	5.5 kg	7.2 kg

*On demand. Please contact our sales network to verify product availability.



	1099/790*
Image sensor	1/1.8"
Resolution	8.0MP (4096×1800)
Frame rate	PTZ Camera: 1920×1080@60fps Panoramic Camera: 4096×1800@30fps
Min. lighting	Colour: 0.0008Lux@ (F1.5, ACG ON)
WDR	140dB
Optical zoom	44×
Digital Zoom	16×
Video compression	S+265/H.265/H.264/M-JPEG
Navigation (Cruise)	16, up to 32 presets per cruise
Presets	500
Auto-Tracking	Yes
Video enhancement	BLC/3D DNR/HLC
VCA	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Running, Parking, Face Detection, People Counting, Crowded, On Duty Detection, Video Abnormal, Audio Abnormal, Heatmap, Safety Helmet Detection
Audio In/Out	1/1
Alarm In /Out	8/2
Memory slot	Built-in Micro SD card slot, up to 128 GB
System compatibility	ONVIF (PROFILE S), SDK, CGI, P2P
IR LED	N/A
White LED	4
Laser	Yes, 500m
Power supply	AC24V±15%
Protection class	IP66
Operating conditions	-30 °C~65 °C, 0-95%RH
Dimensions (L x H x D)	∅ 358 x 568 mm
Weight	16 kg

*On demand. Please contact our sales network to verify product availability.

NVR

The Neius NVR range includes a wide choice of devices for video recording of video streams from IP cameras.

Increased performance allows most requirements to be met from small designs to more complex systems with specific needs in terms of the number of video streams to be managed and recorded, video quality, better optimisation of available bandwidth, backup and maximum resilience to data loss thanks to RAID, available on some models.

All solutions are prepared for video decoding in S+265, which saves 50% of storage space and bandwidth compared to the H.265 codec.

To complete the performance, the NVR range supports the 2nd generation video analysis of IP cameras, allowing complete professional management of behavioural analysis, statistical activities, presence alarms, prohibited parking, people/vehicle classification, construction site helmet detection, and definition of the maximum number of people allowed in an area.







	1098/405P	1098/410P	1098/407P
Video input	5-ch	10-ch	10-ch
Decoded format	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264
Bandwidth	50Mbps/40Mbps	80Mbps/80Mbps	120Mbps/100Mbps
Recording resolution	6MP/5MP/3MP/1080P/UXGA/720P/ VGA/4CIF/DCIF/2CIF/CIF/QCIF	8MP/6MP/5MP/3MP/1080P/UXGA/ 720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF	8MP/6MP/5MP/3MP/1080P/UXGA/ 720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF
Decoding	1×6MP, 1×5MP, 1×4MP, 1×3MP, 4×1080P, 5×720P, 5×4CIF	1×8MP, 1×6MP, 1×5MP, 2×4Mp, 2×3MP, 4×1080P, 8×720P, 10×4CIF	1×8MP, 1×6MP, 1×5MP, 2×4Mp, 2×3MP, 4×1080P, 8×720P, 10×4CIF
HDD (SATA)	1 HDD	1 HDD	2 HDDs
eSATA	N/A	N/A	N/A
RAID	N/A	N/A	N/A
POE	4×RJ45 self-adaptive 10/100 Mbps network interfaces	8×RJ45 self-adaptive 10/100 Mbps network interfaces	8×RJ45 self-adaptive 10/100 Mbps network interfaces
Audio input	1-ch, 3.5mm	1-ch, 3.5mm	1-ch, 3.5mm
Audio output	1×RCA	1×RCA	1×RCA
In/Out Alarms	0/1	4/1	4/1
HDMI/VGA	1/1	1/1	1/1
VCA	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Parking, Early Warning, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal, Compatible with Face recognition camera	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Parking, Early Warning, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal, Compatible with Face recognition camera, People Counting	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Parking, Early Warning, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal, Compatible with Face recognition camera, Heatmap, Auto tracking, People Counting, Thermal camera compatibility
Network interface	1xRJ45 self-adaptive 10/100 Mbps network interface	1xRJ45 self-adaptive 10/100 Mbps network interface	1xRJ45 self-adaptive 10/100/1000 Mbps network interface
Power supply	DC48V, ≤20W (without HDD)	DC48V, 20W (without HDD)	100~240V AC, 50~60 Hz, 25W (without HDD)
Operating conditions	-10~55 °C - 10%~90% RH	-10~55 °C - 10%~90% RH	-10~55 °C - 10%~90% RH
Frame	1U	1U	1U
Dimensions (L x H x D)	255 x 45 x 231 mm	255 x 45 x 231 mm	440 x 47.5 x 277 mm
Weight	1 kg without Hdd	1 kg without Hdd	2.9 kg without Hdd



	1098/452P	1098/451	1098/454
Video input	20-ch	40-ch	40-ch
Decoded format	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264
Bandwidth	200Mbps/200Mbps	320Mbps/320Mbps	320Mbps/320Mbps
Recording resolution	12MP/8MP/6MP/5MP/4MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF	12MP/8MP/6MP/5MP/4MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF	12MP/8MP/6MP/5MP/4MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF
Decoding	3×12MP, 4×8MP, 4×6MP, 5×5MP, 8×4MP, 9×3MP, 16×1080P, 20×720P, 20×4CIF	3×12MP, 4×8MP, 4×6MP, 5×5MP, 8×4MP, 9×3MP, 16×1080P, 32×720P, 40×4CIF	3×12MP, 4×8MP, 4×6MP, 5×5MP, 8×4MP, 9×3MP, 16×1080P, 32×720P
HDD (SATA)	2 HDDs	2 HDDs	4 HDDs
eSATA	N/A	N/A	N/A
RAID	N/A	N/A	JBOD,RAID0/1/5/6/10
POE	16×RJ45 self-adaptive 10/100 Mbps network interfaces	N/A	N/A
Audio input	1-ch, 3.5mm	1-ch, 3.5mm	1-ch, 3.5mm
Audio output	1×RCA	1×RCA	1×RCA
In/Out Alarms	0/1	16/4	16/4
HDMI/VGA	1/1	1/1	1/1
VCA	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Parking, Early Warning, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal, Compatible with Face recognition camera, Heatmap, Auto tracking, People Counting, Compatible with Face capture camera, Parking guard, License Plate Recognition		
Network interface	1xRJ45 self-adaptive 10/100/1000 Mbps network interface	2xRJ45 self-adaptive 10/100/1000 Mbps network interfaces	2xRJ45 self-adaptive 10/100/1000 Mbps network interfaces
Power supply	100~240V AC, 50~60 Hz, 25W (without HDD)	100~240V AC, 50~60 Hz, 25W (without HDD)	1U
Operating conditions	-10 ~55 °C - 10%~90% RH	-10~55 °C - 10%~90% RH	-10~55 °C - 10%~90% RH
Frame	1U	1U	1.5U
Dimensions (L x H x D)	440 x 47.5 x 277 mm	440 x 47.5 x 277 mm	440 x 75 x 347 mm
Weight	3.08 kg without Hdd	2.3 kg without Hdd	3.8 kg without Hdd



	1099/456*	1098/457*	1098/455
Video input	40-ch	80-ch	80-ch
Decoded format	S+265/H.265/H.264	S+265/H.265/H.264	S+265/H.265/H.264
Bandwidth	320Mbps/320Mbps	320Mbps/320Mbps	320Mbps/320Mbps
Recording resolution	12MP/8MP/6MP/5MP/4MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF	12MP/8MP/6MP/5MP/4MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF	12MP/8MP/6MP/5MP/4MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF
Decoding	2×12MP, 4×8MP, 4×6MP, 5×5MP, 8×4MP, 9×3MP, 16×1080P, 32×720P	2×12MP, 4×8MP, 4×6MP, 5×5MP, 8×4MP, 9×3MP, 16×1080P, 32×720P	2×12MP, 4×8MP, 4×6MP, 5×5MP, 8×4MP, 9×3MP, 16×1080P, 32×720P
HDD (SATA)	8 HDDs	8 HDDs	8 HDDs
eSATA	1	1	1
RAID	JBOD,RAID0/1/5/6/10	JBOD,RAID0/1/5/6/10	JBOD,RAID0/1/5/6/10
POE	N/A	N/A	N/A
Audio input	1-ch, 3.5mm	1-ch, 3.5mm	1-ch, 3.5mm
Audio output	1×3.5mm, 1×BNC	1×3.5mm, 1×BNC	1×3.5mm, 1×BNC
In/Out Alarms	16/4	16/4	16/4
HDMI/VGA	2/2	2/2	2/2
VCA	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Parking, Early Warning, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal, Compatible with Face recognition camera, Heatmap, Auto tracking, People Counting, Compatible with Face capture camera		
Network interface	2xRJ45 self-adaptive 10/100/1000 Mbps network interfaces	2xRJ45 self-adaptive 10/100/1000 Mbps network interfaces	2xRJ45 self-adaptive 10/100/1000 Mbps network interfaces
Power supply	AC100~240V, 50/60HZ, 80W (without HDD)	AC100~240V, 50/60HZ, 100W (without HDD)	AC100~240V, 50/60HZ, 100W (without HDD)
Operating conditions	-10~55 °C - 10%~90% RH	-10~55 °C - 10%~90% RH	-10~55 °C - 10%~90% RH
Frame	2U	2U	2U
Dimensions (L x H x D)	440 x 94 x 460 mm	440 x 94 x 460 mm	470 x 87.6 x 490 mm
Weight	7.2 kg without Hdd	7.2 kg without Hdd	7.2 kg without Hdd

*On demand. Please contact our sales network to verify product availability.



	1098/458*	1098/459*
Video input	80-ch	80-ch
Decoded format	S+265/H.265/H.264	S+265/H.265/H.264
Bandwidth	320Mbps/320Mbps	320Mbps/320Mbps
Recording resolution	12MP/8MP/6MP/5MP/4MP/3MP/1080P/ UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF	12MP/8MP/6MP/5MP/4MP/3MP/1080P/ UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF
Decoding	2×12MP, 4×8MP, 4×6MP, 5×5MP, 8×4MP, 9×3MP, 16×1080P, 32×720P	2×12MP, 4×8MP, 4×6MP, 5×5MP, 8×4MP, 9×3MP, 16×1080P, 32×720P
HDD (SATA)	16 HDDs	16 HDDs
eSATA	1	1
RAID	JBOD,RAID0/1/5/6/10	JBOD,RAID0/1/5/6/10
POE	N/A	N/A
Audio input	1-ch, 3.5mm	1-ch, 3.5mm
Audio output	1×3.5mm, 1×BNC	1×3.5mm, 1×BNC
In/Out Alarms	16/4	16/4
HDMI/VGA	2/2	2/2
VCA	Tripwire, Double Tripwire, Perimeter, Object Abandon, Object Lost, Loitering, Parking, Early Warning, Crowd, On Duty Detection, Video Abnormal, Audio Abnormal, Compatible with Face recognition camera, Heatmap, Auto tracking, People Counting, Compatible with Face capture camera	
Network interface	2xRJ45 self-adaptive 10/100/1000 Mbps network interfaces	2xRJ45 self-adaptive 10/100/1000 Mbps network interfaces
Power supply	AC100~240V, 50/60HZ, 100W (without HDD)	AC100~240V, 50/60HZ, 100W (without HDD), Redundant Power Supply
Operating conditions	-10~55 °C - 10%~90% RH	-10~55 °C - 10%~90% RH
Frame	3U	3U
Dimensions (L x H x D)	482.5 x 132 x 490 mm	11.35 Kg without Hdd
Weight	482.5 x 132 x 540 mm	13.75 Kg without Hdd

*On demand. Please contact our sales network to verify product availability.

SEAGATE HDDS SKYHAWK SERIES

Neius relies on professional archiving solutions to record sensitive data. Seagate Skyhawk Series HDDs are specifically designed for heavy-duty use in video surveillance systems for maximum performance and reliability.



**3000/008 (8TB)****3000/006 (6TB)****3000/004 (4TB)**

	3000/008 (8TB)	3000/006 (6TB)	3000/004 (4TB)
Interface	SATA from 6 Gbit/s	SATA from 6 Gbit/s	SATA from 6 Gbit/s
No. of cameras supported	Up to 64	Up to 64	Up to 64
Maximum continuous data transfer over external diameter (MB/s)	210 MB/s	180 MB/s	190 MB/s
Cache (MB)	256	256	64
Rustproof	Yes	Yes	Yes
Loading/unloading cycles	300000	300000	300000
Maximum number of irreversible read errors per number of bits read	1 sector per 10E15	1 sector per 10E14	1 sector per 10E14
Hours of operation per year (24x7)	8760	8760	8760
Workload level limit²	180	180	180
MTBF	1,000,000 hour	1,000,000 hour	1,000,000 hour
Typical 12 V start-up current (A)	2	1.8	1.8
Average power consumption under operating conditions (W)	9 W	5 W	5.5 W
Average during inactivity (W)	7.6 W	3.4 W	3.2 W
Typical in standby/sleep mode (W)	0.6/0.6	0.25/0.25	0.25/0.25
Voltage surge tolerance (5 V)	±5%	±5%	±5%
Voltage surge tolerance (12 V)	±10%	±10%	±10%
Operating conditions (Temp. Min-max)	5 ~70 °C	0 ~70 °C	0 ~70 °C
Non-operating conditions (Temp. Min)	-40	-40	-40
Maximum height (mm/inches)	26.11 mm/1.028 inches	26.11 mm/1.028 inches	26.11 mm/1.028 inches
Maximum width (mm/inches)	101.85 mm/4.01 inches	101.85 mm/4.01 inches	101.85 mm/4.01 inches
Maximum depth (mm/inches)	146.99 mm/5.787inches	146.99 mm/5.787 inches	146.99 mm/5.787 inches
Weight (g/pounds)	780 g/1.72 pounds	610 g/1.345 pounds	635 g/1.4 pounds



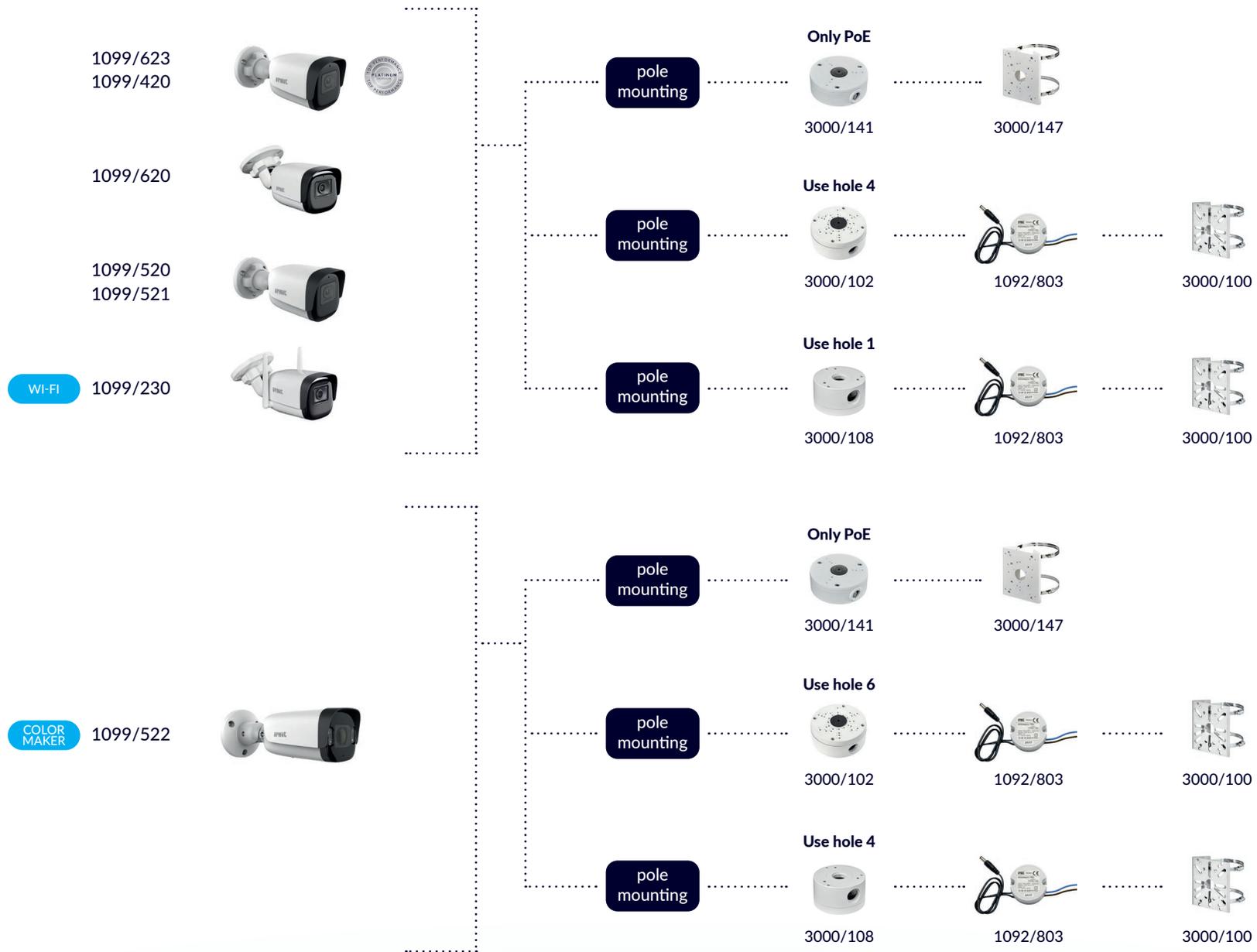
	3000/003 (3TB)	3000/002 (2TB)	3000/001 (1TB)
Interface	SATA from 6 Gbit/s	SATA from 6 Gbit/s	SATA from 6 Gbit/s
No. of cameras supported	Up to 64	Up to 64	Up to 64
Maximum continuous data transfer over external diameter (MB/s)	185 MB/s	180 MB/s	180 MB/s
Cache (MB)	256	64	64
Rustproof	Yes	No	No
Loading/unloading cycles	300000	300000	—
Maximum number of irreversible read errors per number of bits read	1 sector per 10E14	1 sector per 10E14	1 sector per 10E14
Hours of operation per year (24x7)	8760	8760	8760
Workload level limit²	180	180	180
MTBF	1,000,000 hour	1,000,000 hour	1,000,000 hour
Typical 12 V start-up current (A)	1.8	1.8	1.8
Average power consumption under operating conditions (W)	3.5 W	5.6 W	5.6 W
Average during inactivity (W)	2.5 W	4 W	4 W
Typical in standby/sleep mode (W)	0.25/0.25	0.5/0.5	0.5/0.5
Voltage surge tolerance (5 V)	±5%	±5%	±5%
Voltage surge tolerance (12 V)	±10%	±10%	±10%
Operating conditions (Temp. Min-max)	0 ~70 °C	0 ~70 °C	0 ~70 °C
Non-operating conditions (Temp. Min)	-40	-40	-40
Maximum height (mm/inches)	20.2 mm/0.795 inches	26.11 mm/1.028 inches	20.2 mm/0.795 inches
Maximum width (mm/inches)	101.85 mm/4.01 inches	101.85 mm/4.01 inches	101.85 mm/4.01 inches
Maximum depth (mm/inches)	146.99 mm/5.787 inches	146.99 mm/5.787 inches	146.99 mm/5.787 inches
Weight (g/pounds)	490 g/1.08 pounds	610 g/1.345 pounds	415 g/0.915 pounds

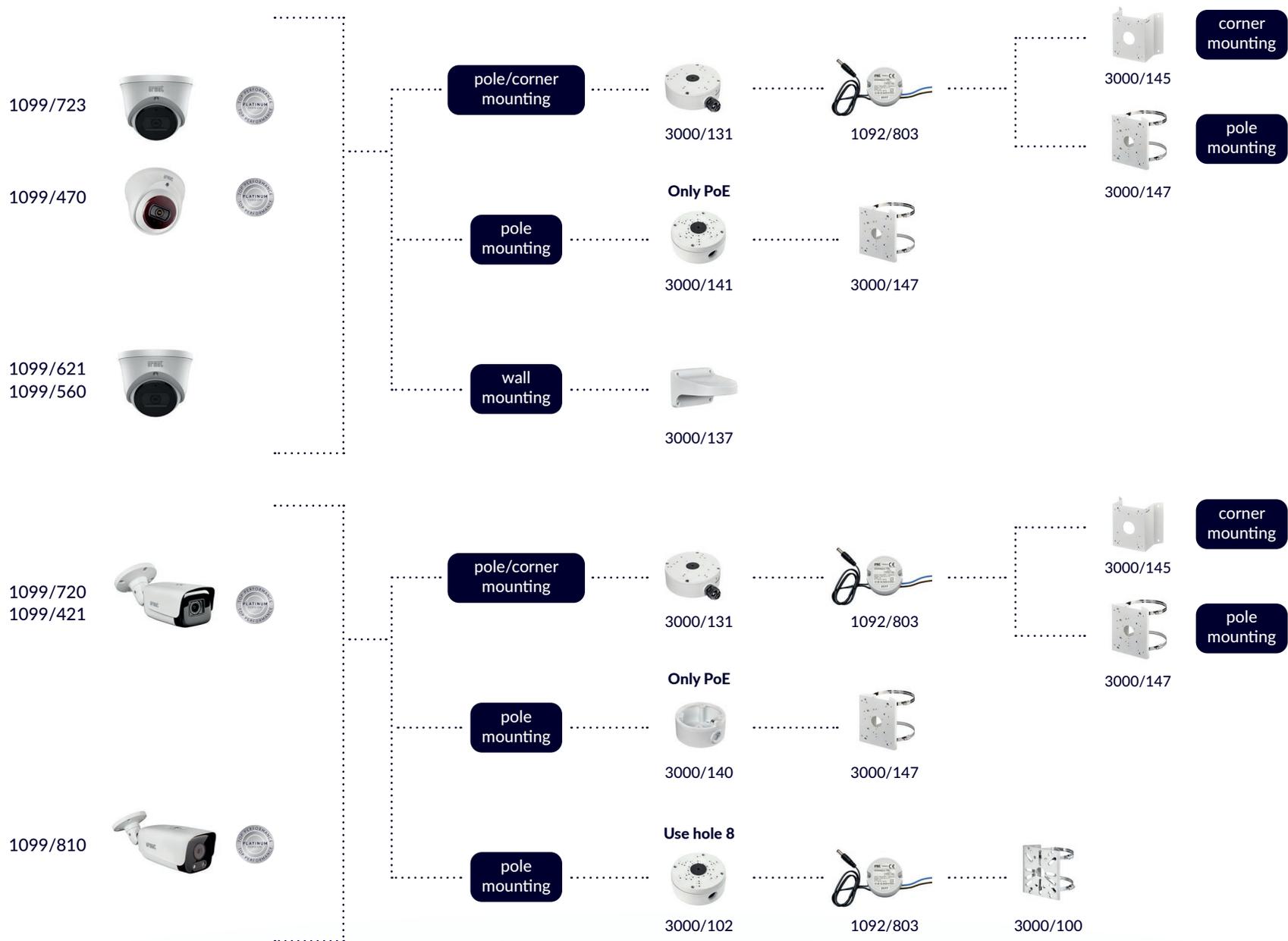
SYSTEM ACCESSORIES

A wide range of accessories for the professional: monitors, junction boxes, power units and everything needed to complete video surveillance systems.

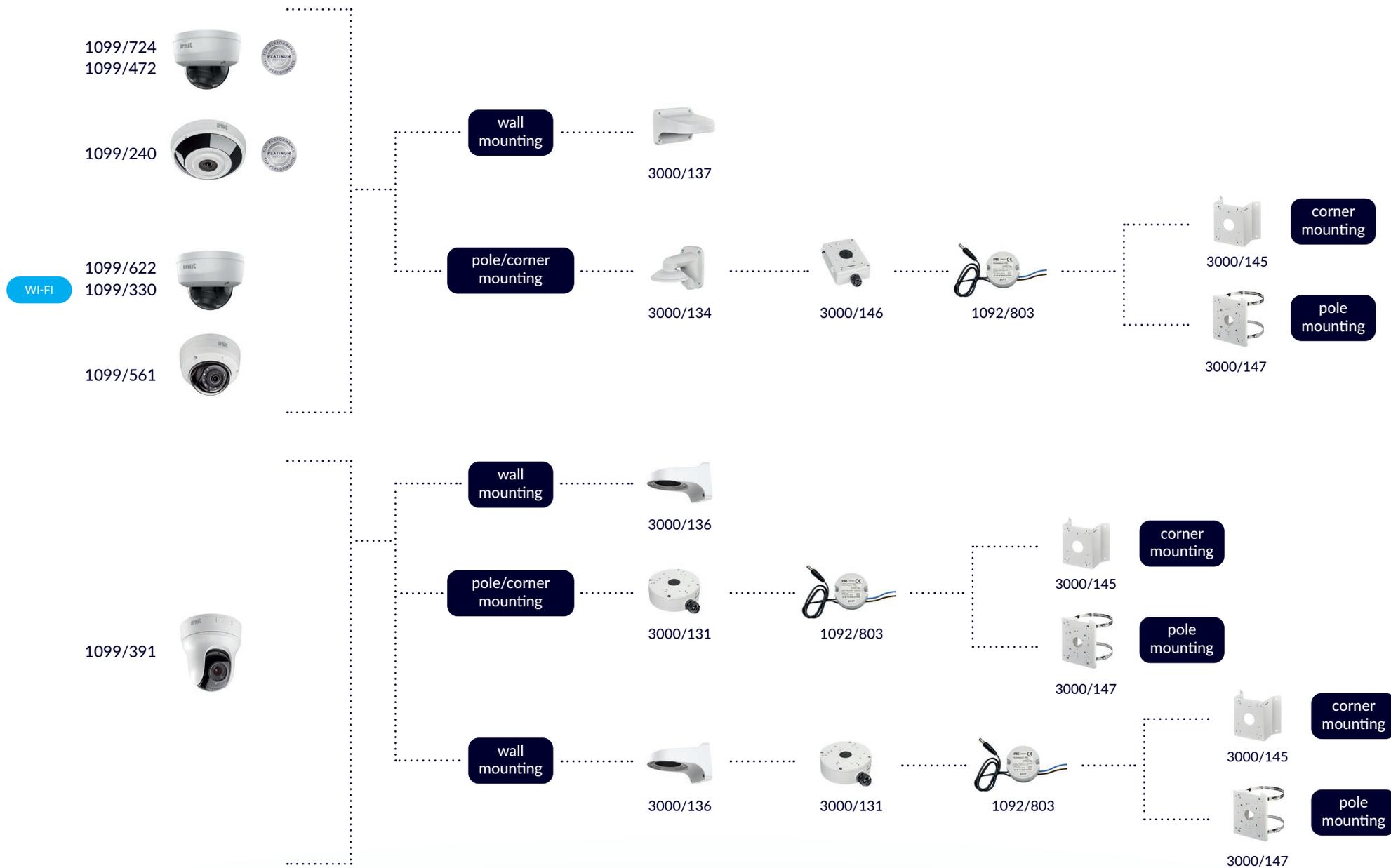
ACCESSORIES FOR INSTALLATION

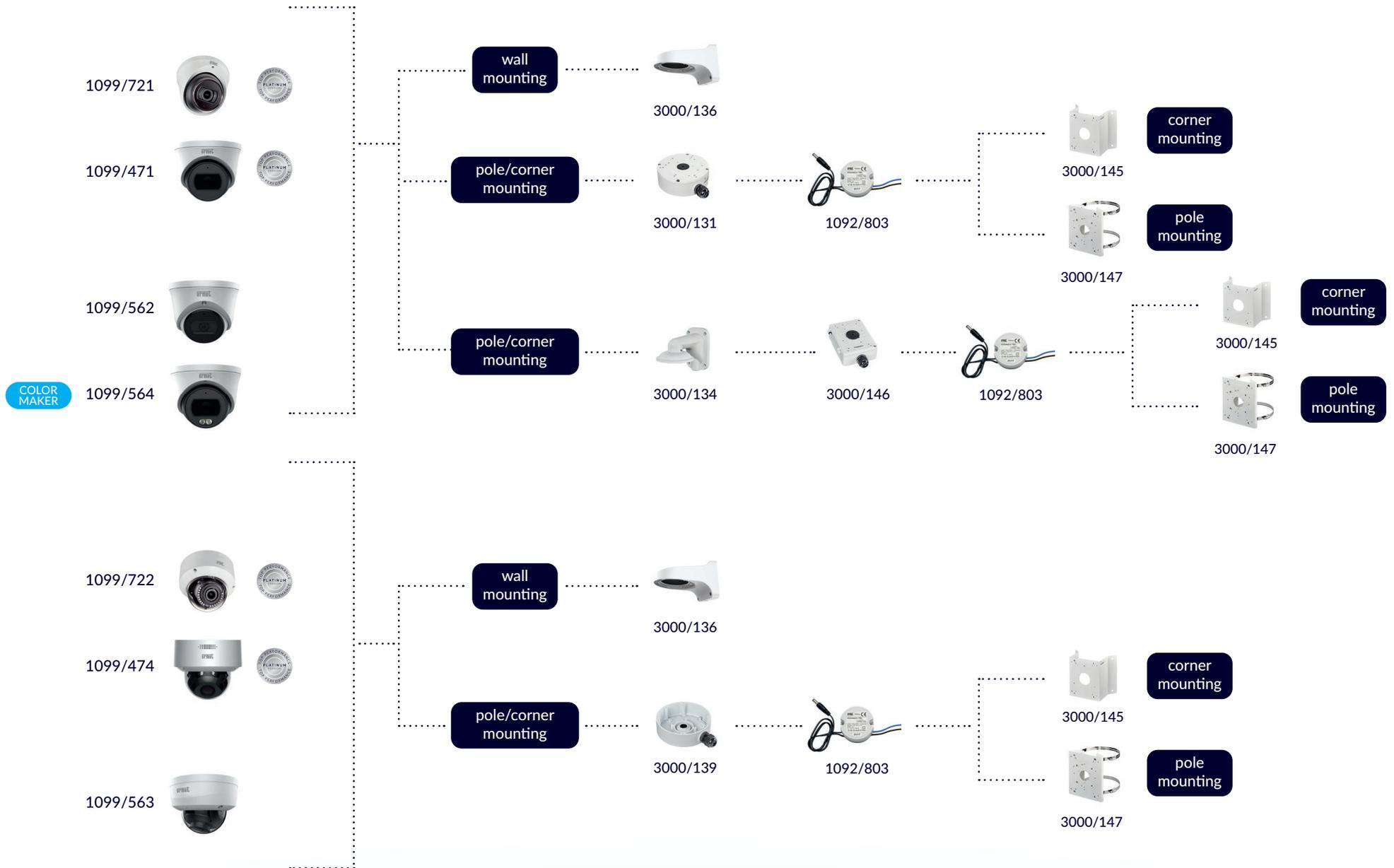
3000/131	JUNCTION BOX FOR MINI BULLET, VF BULLET, AND MINI PTZ CAMERA, NEIUS Dimensions (H x Ø): 51 x 140 mm	
3000/132	JUNCTION BOX FOR FISHEYE DOME CAMERA, NEIUS Dimensions (H x Ø): 39 x 154.2 mm	
3000/134	METAL WALL BRACKET FOR FIXED LENS DOME, NEIUS Dimensions (H x W x D): 160 x 132 x 212 mm	
3000/136	PLASTIC WALL BRACKET FOR DOME CAMERA WITH MOTORISED LENS, NEIUS Dimensions (H x W x D): 125.3 x 161.1 x 201.3 mm	
3000/137	PLASTIC WALL BRACKET FOR DOME CAMERA WITH REDUCED DIMENSIONS, NEIUS Dimensions (H x W x D): 107 x 137.6 x 171.9 mm	
3000/139	JUNCTION BOX FOR MOTORISED LENS DOME CAMERA, NEIUS Dimensions (H x Ø): 40 x 138 mm	
3000/140	JUNCTION BOX FOR MOTORISED LENS BULLET CAMERA, NEIUS Dimensions (H x Ø): 47.5 x 105 mm	
3000/141	JUNCTION BOX FOR FIXED LENS DOME CAMERA, NEIUS Dimensions (H x Ø): 43 x 116 mm	
3000/143	PENDANT BRACKET FOR SPEED DOME CAMERA, NEIUS Dimensions (H x Ø): 234 x 117 mm	
3000/145	CORNER ADAPTER FOR SPEED DOME CAMERA, NEIUS Dimensions (H x W x D): 165 x 193 x 52 mm	
3000/146	JUNCTION BOX FOR SPEED DOME, NEIUS Dimensions (H x W x D): 170 x 153.6 x 70 mm	
3000/147	POLE ADAPTOR FOR BULLET CAMERA, NEIUS Dimensions (H x W x D): 165 x 136 x 37 mm	
3000/150	WALL BRACKET FOR BULLET CAMERA, NEIUS Dimensions (H x W x D): 123.9 x 83 x 280.5 mm	

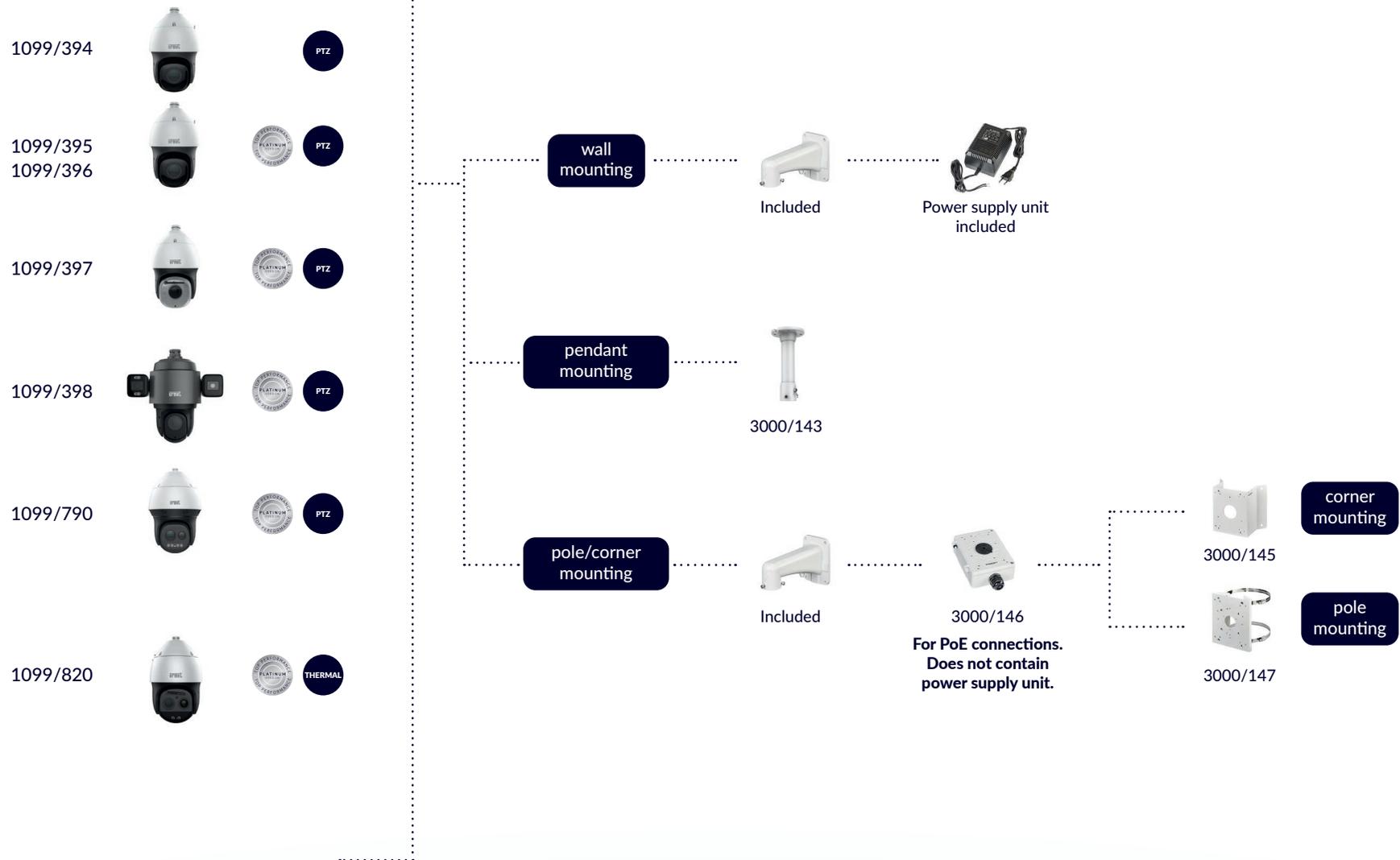


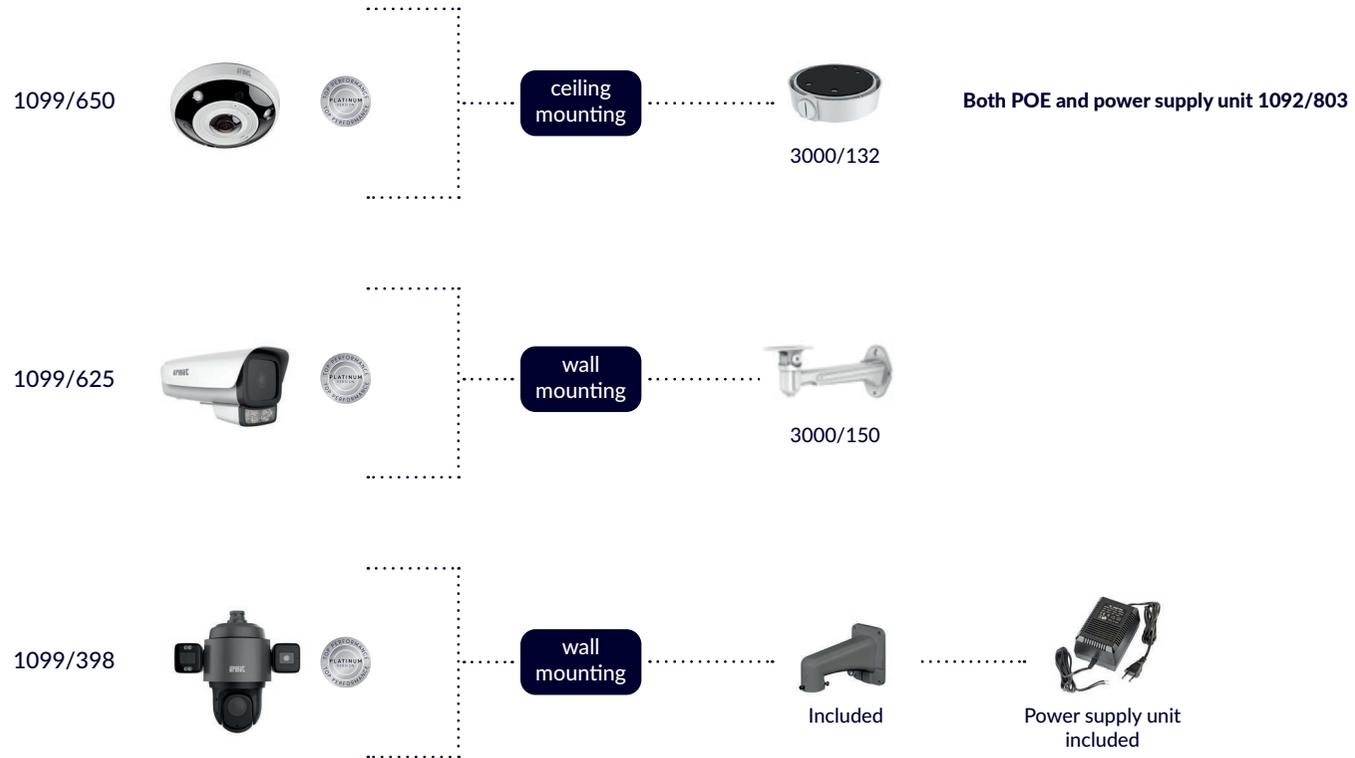


Possible installation solutions









SYSTEM ACCESSORIES

The Monitor range is composed of professional products. Robust mechanics and performance enable it to be used in a wide range of applications.

The monitors are designed to operate continuously, so they can be used in video surveillance systems without risk of overcharging them.





1092/401B

3000/322

3000/321

	1092/401B	3000/322	3000/321
LCD Display	10.1 WLED IPS	21.45" WLED	21.5" WLED
Pixel Resolution	1020x768	1920x1080	1920x1080
Supported resolution	1080P	1080P	4K 30 frame
Colours	16.7 M	16.7M	16.7M
Contrast ratio	1000:1	1000:1	1000:1
Brightness	600 cd/m2	250 cd	250cd
View angle	178°/178° 89x89-89x89 CR≥10	178°/178° 89x89-89x89 CR≥10	178°/178° 89x89-89x89 CR≥10
HDMI Input	Yes	Yes	Yes
VGA input	Yes	Yes	Yes
DP inputs	No	No	No
AHD inputs	No	No	No
SR232 Serial Port	No	No	No
AV for TV (CVBS)	Yes	No	No
BNC (for TV CVBS)	Yes	No	No
DVI (only for PC)	No	No	No
Audio input on HDMI	Yes	Yes	Yes
Audio IN and OUT	Yes	No	No
Operating temperature range	0-40 °C	0-40 °C	0-40 °C
Power supply	12V 2A	100-240V AC	100-240V AC
Consumption	10W	< 25W(STB 0.5W)	< 25W(STB 0.5W)
Dimensions with base (L x H x D)	245 x 165 x 35 mm	245 x 165 x 35 mm	516.6 x 376 x 184.5 mm



3000/332

3000/343

	3000/332	3000/343
LCD Display	32" WLED	43" DLED
Pixel Resolution	1920x1080	3820*2160
Supported resolution	4K 30 frame	4K 30 frame
Colours	16.7M	16.7M
Contrast ratio	3000:1	1200:1
Brightness	300 cd	400 cd
View angle	178°/178° 89x89-89x89 CR≥10	178°/178° 89x89-89x89 CR≥10
HDMI Input	Yes x 2	Yes x 3
VGA input	Yes	Yes
DP inputs	No	Yes
AHD inputs	No	No
SR232 Serial Port	No	No
AV for TV (CVBS)	No	No
BNC (for TV CVBS)	Yes	No
DVI (only for PC)	No	No
Audio input on HDMI	Yes	Yes
Audio IN and OUT	No	No
Operating temperature range	0-40 °C	0-40 °C
Power supply	100-240V AC	100-240V AC
Consumption	<55W	<185W
Dimensions with base (L x H x D)	744 x 524 x 199.30 mm	1145 x 730 x 255 mm



3000/060

IPC Test	
IPC protocol	ONVIF , RTSP, RTP
Ethernet Test	Ethernet 10M/100M/1G connection detection; Ethernet loop detection; DHCP client and server; Detection of Ethernet traffic; Detection of data link quality
IPC Test	Identification of ONVIF devices over the network; Real-time videos; Camera configuration; PTZ test
IPC image testing	H.264/H.265 decoding, it supports 4K@30FPS, local zoom preview (with 8 levels)
Interface	Dual RJ45 1Gbps Ethernet ports
WiFi Test	
WiFi Test	Supports 2.4G and 5G frequency bands, WiFi connection list, detection of WiFi network information, delay detection, packet loss rate testing.
Spectrum analysis	It supports 2.4G and 5G frequency bands, detection and scanning of airborne frequency band signal and detection of airborne noise signals (interference).
Signal monitoring	Supports fast monitoring and signal change of 2.4G and 5G frequency bands, update frequency: 1-10Hz.
Antenna type	Dual external foldable antenna. Omnidirectional dual-band dipole antenna
POE Test	
PD Test	The tester receives 802.3at power; detection of power supply voltage
PSE Test	The tester provides 802.3at power; maximum 25.5W, Actual PD power detection
Video format	
Video format	NTSC/PAL/HD-CVI 3.0 standard/ AHD3.0 standard/ HD-TVI3.0 standard
Video signal	1Vpp
Video Input/ Output	Input BNC Video IN, Output BNC Video OUT
Digital video zoom	It supports 8-level digital zoom
Video signal generator	Sends PAL/ NTSC, CVI, AHD and TVI (720P/1080P) video test signals
HDMI signal testing	
HDMI Input	It can receive input signals to be displayed at 720P 25/30/50/60 FPS and 1080P 25/30 FPS.
HDMI Output	Can send various image formats for testing purposes (720P 25/30/50/60 FPS and 1080P 25/30 FPS)
12V power supply output	
Power supply output	12V/2A Output Interface: Circular, outer diameter 4mm; Inner hole: 1.6mm

HD Combine Tester	
Audio test	
Audio test	1 x audio signal input
Coaxial PTZ control test	
Communication interface	BNC Interface Video IN
Communication protocol	CVI protocol (dahua coax), AHD protocol (Pelco c) and TVI protocol (Hikvision)
485 PTZ control test	
Communication interface	RS485
Communication protocol	More than 30 protocols, including Pelco-D/P
Baud rate	150, 300, 600, 1200, 2400, 4800, 9600 and 19200bps
LED lighting (torch)	
Main LED	LED 2 x 35lm, wide angle
TDR cables test	
Cables test	Test the length of a network cable (4 pairs). Resolution: 0.1 metre; Accuracy: 1 metre. The maximum length of the measured cable can be 130-200 metres (depending on the wire rod).
Power supply	
Charger	12V/1.5 A power supply, 5.5mm round connector
Battery	Equipped with two battery compartments, a special lithium battery pack can be placed in each compartment with a single capacity of 18.5Wh. The combined operating time is approximately 10 hours (also works with a single battery).
Recharging	12V/1.5 A recharge, Power: 18W, maximum charging time: 3~4 hours.
Energy savings	It can be set to switch off automatically and display the battery level in real time.
System parameters	
Screen	7.0" TFT 1920*RGB*1200 (resolution), 16.7M (colour), Adjustable backlight intensity
Operating methods	Power button, Keyboard for global control with 13 input buttons, Full-laminate capacitive multi-touch screen (input)
Operation settings	English language interface
Automatic standby	Disabled / 5-60 minutes
Keyboard sound	Enabled / Disabled
Working environment and specifications	
Operating temperature range	-10'C~+55C
Operating temperature	30%~90%
Dimensions	236.5 x 133.4 x 45.4 mm

PRODUCT CHARACTERISTICS

- It supports analogue SD, HD and network HD video surveillance systems all in one device
- Step-by-step testing, able to quickly locate defects
- Two-part foldable external antenna and two-band omnidirectional dipole antenna
- Highly compatible with **ONVIF** protocol
- Ergonomic and portable design, one-handed operation
- Real-time on-screen command prompts
- PoE power supply unit/receiver, 12V/2A output power supply
- Dual 1000M network interface, capable of detecting network packet losses, data traffic, etc.
- 7.0" TFT, 1920*RGB*1200 (resolution), 16.7M (colour)
- Wi Fi support testing, spectrum analysis and signal strength testing at 2.4G and 5G frequency bands
- Replaceable lithium polymer battery with 10-hour battery life
- Soft rubber protective layer
- Dual LED lighting (torch)





1093/701

IP KEYBOARD FOR PTZ

PTZ Management: 3-axis joystick
 Displaying screen: 5.0" HD LED
 Connections: RJ45, 12Vdc power supply, HDMI output, USB port
 ONVIF **protocol: ONVIF 2.4**
 OSD menu language: English
 Power supply: 12Vdc / 2A
 Operating temperature: -10° ÷ 55°
 Dimensions (L x H x D): 260 x 160 x 48 mm
 Weight: 1.52 Kg



	1090/850	1092/801	1092/802	1092/803	1092/804
Input voltage	230 V~±10%, 50/60 Hz	230 Vac	100-240 Vac 50-60 Hz	100-240 Vac 50-60 Hz	230 Vac
Output voltage	12 V, 0.18 A (with jumper P1 - P2) V out= 15 V, 0.18 A (without P1 - P2 jumper)	13.2 Vcc - 1200 mA	13.2 Vdc - 1.8 A	12 Vdc	13.2 Vdc - 3 A
IP degree	Indoor	Indoor	Indoor	IP66	Indoor
Operating temperature range	-10 °C + 40 °C	+5 °C +40 °C	+5 °C +40 °C	+5 °C +40 °C	+5 °C +40 °C
Dimensions with base (L x H x D)	65 x 63 x 45 mm	30 x 43 x 82 mm	1 DIN rail module	50 x 23 mm (Ø x A)	162 x 47 x 162 mm

URMET PLATE

Advanced functions for city control.

Urmec Plate is the Urmec number plate reading camera. With Full HD resolution, motorised lens and anti-glare and anti-slip functions, Urmec Plate is the ideal solution for vehicle monitoring in urban and suburban settings and is suitable for different applications.

The intuitive web interface, data customisation, advanced check capabilities and ease of use allow the camera to be integrated into any control system, from simple parking lots to more complex vehicle traffic visualisation systems.

Urmec Plate combines high power IR LEDs with pulsed operation and a motorised varifocal lens camera to capture perfect images in all conditions of use. The complete control of the gates to be monitored is possible thanks to the Full HD resolution and the motorised varifocal lens; the video stream can be transferred remotely thanks to the **ONVIF**-compatible video streaming.

The Urmec Plate 4G version allows fast installations with reduced manpower and competitive and advantageous system costs.





99% Percentage of number plates read correctly

In all shooting conditions, thanks to filters and systems to optimise number plate shooting.



160 km/h Number plate detection maximum speed

Not to miss out any of the transits, even on fast roads.



10x Optical zoom

To adapt the frame to the best and always shoot the gate.



6 metres Maximum controllable gate width

To check even dual carriageways.



24/24h Monitoring

Through a web cloud system to check the operation and control of the integrated sensors (shock displacement, temperature, humidity).



30° Maximum readable inclination of the plate

To ensure readings in difficult installations.



5 Models available

A comprehensive range to meet all needs.

CAMERAS

A wide range of Full HD infrared cameras for reading number plates in different contexts, from private areas to company car parks or public transit routes. Each model, which can be used in any lighting condition, can read a number plate and identify vehicles for different surveillance applications, including limited access, verification of the status of a car or transit statistics.

MAIN FEATURES

- Anti-glare system
- Elimination of sun reflections
- Anti-slip system
- Multiple exposure
- Reading of difficult number plates and shadow elimination
- Certified OCR in monitoring
- Class A sensors (E version)



1111*216

FULL HD
LICENCE PLATE CAMERA
WITH INTEGRATED
OCR 16 MM LENS



1111*220

FULL HD LICENCE P
LATE CAMERA
WITH INTEGRATED
OCR 20 MM LENS



1111*225

FULL HD LICENCE
PLATE CAMERA
WITH INTEGRATED
OCR 25 MM LENS



1111*212

FULL HD DUAL LENS
MOTORISED LICENCE
PLATE AND CONTEXT
READING CAMERA



1111*215

FULL HD DUAL LENS
MOTORISED LICENCE
PLATE AND CONTEXT READING
CAMERA WIFI-4G CONNECTIVITY

VERSION FOR USE WITHOUT DATA TRANSMISSION INFRASTRUCTURE (RADIO LINKS)

Item no. 1111*215



No communication infrastructure required



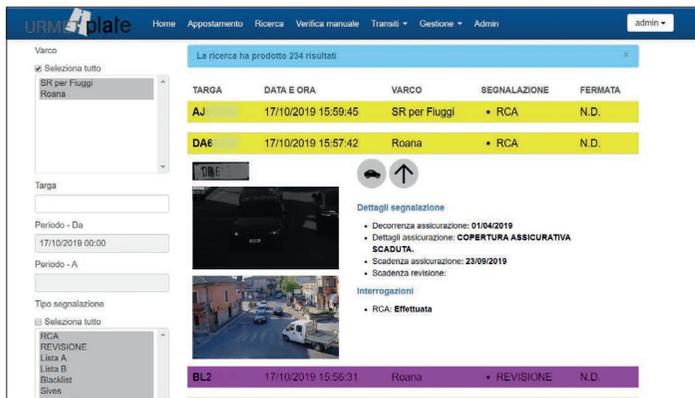
Easy to install, configure and move



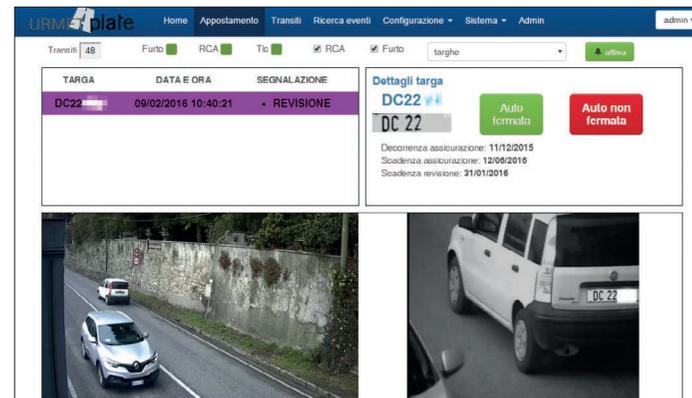
Requires only power supply



4G traffic optimisation



Real-time car signalling



Vehicle data detail

TRANSMISSION

Choosing the right transmission equipment is crucial when designing and implementing IP-based video surveillance infrastructures. The Neius range includes switches for “cascade” and “centre-stack” connections to provide maximum performance.

EDGE Series switches are suitable for direct network connections of video surveillance devices (NVRs and IP cameras) to their respective switches. BACKBONE series switches are suitable for open architecture systems. They allow system centralisation between video surveillance devices (NVRs and IP cameras) and Switches.

And where wired interconnection is not feasible, a range of products is available for professional wireless transmission over short to medium and long distances.





	3000/400 A	1093/830*		3000/400 A	1093/830
Web Managed	-	-	Jumbo Management	Yes	1536
LAN ports	5 x10/100/1000Mbps RJ45	6	Fan	No	No
Uplink ports	-	2x10/100 RJ45	LED indicators	LINK/ACT	LINK/ACT
Port LAN PoE	-	4x10/100 RJ45	Power supply	DC:12V/0.5A	AC:110V-240V
Console port	-	-	Service temperature	0 °C ~ +40 °C	-10~65 °C
Standard/protocol	IEEE 802.3i 10BASE-T IEEE 802.3u 100BASE-TX IEEE 802.3ab:1000BASE-T IEEE 802.3x Flow Control	IEEE802.3 10BASE-T IEEE802.3i 10Base-T IEEE802.3u 100Base-TX IEEE802.3x	Storage temperature	-40 °C ~ +70 °C	-10~65 °C
PoE Standard	-	IEEE802.3af/at	Operating conditions	10%~90% (Non-condensing)	5%~95%
Max. Output Power (Watts)	-	60W	Dimensions (H x W x D)	100 x 50 x 27 mm	195 x 130 x 40 mm
Max. power output per port (Watts)	-	15.4/30W	Weight	<1 Kg	1.1 Kg
SFP Slots	-	-	Type of case	Metal	Metal
Exchange capacity	1Gbps	1.2Gbp	Colour	Black	Black
Buffer	48K	768K	Surge protection	4KV	Lightning protection: 4KV 8/20us
Forwarding Rate	7.44Mbps	0.89Mpps	MTBF	50000 hours	20000 hours
MAC address table	1k	1K	Electrostatic standard	6kv	N/A
Mas distance date	-	300 m	Accessories	User Guide*1/Power Adapter*1	User Guide*1/Power cable*1
Function	-	EVDP			

* For availability please contact the sales network.



	3000/401	3000/402		3000/401	3000/402
Web Managed	-	-	Jumbo Management	Yes	Yes
LAN ports	6	10	Fan	No	No
Uplink ports	2x10/100 RJ45	2x10/100/1000Mbps RJ45	LED indicators	LINK/ACT	LINK/ACT
Port LAN PoE	4x10/100 RJ45	8x10/100 RJ45	Power supply	AC:110V-240V	AC:110V-240V
Console port			Service temperature	-10~65 °C	-10~65 °C
Standard/protocol	IEEE 802.3i 10BASE-T IEEE 802.3u 100BASE-TX IEEE 802.3ab:1000BASE-T IEEE 802.3x Flow Control	IEEE 802.3i 10BASE-T IEEE 802.3u 100BASE-TX IEEE 802.3ab:1000BASE-T IEEE 802.3x Flow Control	Storage temperature	-10~65 °C	-10~65 °C
PoE Standard	IEEE802.3af/at	IEEE802.3af/at	Operating conditions	5%~95%	5%~95%
Max. Output Power (Watts)	60W	120W	Dimensions (H x W x D)	202 x 140 x 45 mm	202 x 140 x 45 mm
Max. power output per port (Watts)	15.4/30W	15.4/30W	Weight	1.1 kg	1.1 kg
SFP Slots			Type of case	Metal	Metal
Exchange capacity	1.2Gbps	5.6Gbps	Colour	Black	Black
Buffer	48K	48K	Surge protection	Lightning protection: 4KV 8/20us	Lightning protection: 4KV 8/20us
Forwarding Rate	0.89Mpps	4.17Mpps	MTBF	50000 h	50000 h
MAC address table	2K	2k	Electrostatic standard	2k	2k
Mas distance date	250 m	250 m	Accessories	User Guide*1/Power cable*1	User Guide*1/Power cable*1
Function	EXTENDER/VLAN	EXTENDER/VLAN			



3000/403

3000/403

Web Managed	-	Jumbo Management	Yes
LAN ports	19	Fan	No
Uplink ports	2x10/100/1000 Mbps RJ45 + 1 SFP 1.2Gbps	LED indicators	LINK/ACT
Port LAN PoE	16x10/100Mbps RJ45	Power supply	AC:110V-240V
Console port	-	Service temperature	0 °C ~ +40 °C
Standard/protocol	IEEE 802.3i 10BASE-T IEEE 802.3u 100BASE-TX IEEE 802.3ab:1000BASE-T IEEE 802.3x Flow Control	Storage temperature	-40 °C ~ +70 °C
PoE Standard	IEEE802.3af/at	Operating conditions	10%~90% (Non-condensing)
Max. Output Power (Watts)	250W	Dimensions (H x W x D)	312 x 185 x 46 mm
Max. power output per port (Watts)	15.4/30W	Weight	2.14 kg
SFP Slots	1 SFP 1.2Gbps	Type of case	Metal
Exchange capacity	9.2Gbps	Colour	Black
Buffer	48K	Surge protection	4KV
Forwarding Rate	6.84Mbps	MTBF	50000 hours
MAC address table	8k	Electrostatic standard	6kv
Mas distance date	250M	Accessories	User Guide*1/Power cable*1
Function	EXTENDER/VLAN		



	3000/470	3000/471		3000/470	3000/471
Web Managed	-	-	Power supply	100-240VAC	100-240VAC
LAN ports	1 x 10/100/1000Mbps RJ45	1 x 10/100/1000Mbps RJ45	Service temperature	-20~50 °C	-20~50 °C
Uplink ports	1 x 10/100/1000Mbps RJ45	1 x 10/100/1000Mbps RJ45	Storage temperature	-40~85 °C	-40~85 °C
Port LAN PoE	1	1	Operating conditions	Max 95%, non-condensing	Max 95%, non-condensing
Standard/protocol	IEEE802.3af IEEE802.3at	IEEE802.3af IEEE802.3at IEEE802.3bt	Dimensions (H x W x D)	166 × 55 × 40 mm	187 × 95 × 40 mm
PoE Standard	IEEE803.2af/at	IEEE802.3bt - 3af/3at	Weight	0.2 kg	0.4 kg
Max. Output Power (Watts)	30W	60W	Type of case	Plastic	Metal
Max. power output per port (Watts)	15.4/30W	15.4/30W/60	Colour	Black	Black
SFP Slots			Surge protection	4kv	ESD 15KV, Contact 8KV, Air 15KV
Exchange capacity	4Gbps	4Gbps	MTBF	30,000 hours	30,000 hours
Buffer	-	-	Electrostatic standard	6kv	6kv
Forwarding Rate	2.976Mpps	2.976Mpps	Accessories	Power cable*1	Power cable*1
LED indicators	LINK/ACT	LINK/ACT			IDEAL FOR POWER Speed dome



	3000/451	3000/452		3000/451	3000/452
Web Managed	-	-	Jumbo Management	Yes	Yes
LAN ports	10	10	Fan	-	-
Uplink ports	2x10/100/1000Mbps RJ45	2 x SFP 1.2Gbps	LED indicators	LINK/ACT	LINK/ACT
Port LAN PoE	8x10/100/1000Mbps RJ45	8x10/100/1000Mbps RJ45	Power supply	AC:110V-240V	AC:110V-240V
Console port	-	-	Service temperature	0 °C ~ +40 °C	0 °C ~ +40 °C
Standard/protocol	IEEE 802.3i 10BASE-T IEEE 802.3u 100BASE-TX IEEE 802.3ab:1000BASE-T IEEE 802.3x Flow Control	IEEE 802.3i 10BASE-T IEEE 802.3u 100BASE-TX IEEE 802.3ab:1000BASE-T IEEE 802.3x Flow Control	Storage temperature	-40 °C ~ +70 °C	-40 °C ~ +70 °C
PoE Standard	IEEE802.3af/at	IEEE802.3af/at	Operating conditions	10%~90% (Non-condensing)	10%~90% (Non-condensing)
Max. Output Power (Watts)	120W	120W	Dimensions (H x W x D)	202 x 140 x 50 mm	202 x 140 x 50 mm
Max. power output per port (Watts)	15.4/30W	15.4/30W	Weight	1.1 kg	1.1 kg
SFP Slots	-	2 x SFP 1.2Gbps	Type of case	Metal	Metal
Exchange capacity	20Gbps	20Gbps	Colour	Black	Black
Buffer	48K	48K	Surge protection	4KV	4KV
Forwarding Rate	14.88Mbps	14.88Mbps	MTBF	50000 hours	50000 hours
MAC address table	8k	8k	Electrostatic standard	6kv	6kv
Mas distance date	250M	100M	Accessories	User Guide*1/Power cable*1	User Guide*1/Power cable*1
Function	VLAN	No			



	3000/453	3000/454		3000/453	3000/454
Web Managed	-	LEVEL 3	Jumbo Management	Yes	9216bytes
LAN ports	16 x 10/100/1000Mbps RJ45	24 x 10/100/1000Mbps RJ45	Fan	-	-
Uplink ports	2 x SFP 1.2Gbps	4 SFP 10Gbps	LED indicators	LINK/ACT	LINK/ACT
Port LAN PoE	-	-	Power supply	AC:110V-240V	100-240VAC
Console port	-	1	Service temperature	0 °C ~ +40 °C	-20~50 °C
Standard/protocol	IEEE 802.3i 10BASE-T IEEE 802.3u 100BASE-TX IEEE 802.3ab:1000BASE-T IEEE 802.3x Flow Control	IEEE 802.3 IEEE 802.3u IEEE 802.3ab/ad/az IEEE 802.3x IEEE 802.1q IEEE 802.1p,QoS IGMP Snooping	Storage temperature	-40 °C ~ +70 °C	-40~85 °C
PoE Standard	-	-	Operating conditions	10%~90% (Non-condensing)	Max 95%, non-condensing
Max. Output Power (Watts)	-	-	Dimensions (H x W x D)	310 x 182 x 44 mm	440 x 204 x 44 mm
Max. power output per port (Watts)	-	-	Weight	1.3kg	2.4 kg
SFP Slots	2 x SFP 1.2Gbps	4 x SFP 10Gbps	Type of case	Metal	Metal
Exchange capacity	36Gbps	128Gbps	Colour	Black	Black
Buffer	48K	12M	Surge protection	4KV	IEN61000-4-5
Forwarding Rate	23.80Mbps	95.23Mbps	MTBF	50000 hours	100,000 hours
MAC address table	8k	16K	Electrostatic standard	6kv	EN61000-4-2
Mas distance date	100M	100M	Accessories	User Guide*1/Power cable*1	Power cable, Mounting ear Serial line
Function	VLAN	-			



	3000/480	3000/480
Web Managed	-	Jumbo Management
LAN ports	1 x 10/100/1000Mbps 1 x Fibre slot 1.2Gbps	Fan
Uplink ports	-	LED indicators
Port LAN PoE	-	Power supply
Console port	-	Service temperature
Standard/protocol	IEEE802.3 (10Base-T) IEEE802.3u (100Base-TX/FX) IEEE802.3ab (1000Base-TX/FX) IEEE802.3x (Flow control)	Storage temperature
PoE Standard	No	Operating conditions
Max. Output Power (Watts)	-	Dimensions (H x W x D)
Max. power output per port (Watts)	-	Weight
SFP Slots	1x Fibre slot 1.2Gbps	Type of case
Exchange capacity	4Gbps	Colour
Buffer	2K	Surge protection
Forwarding Rate	2.976Mpps	MTBF
MAC address table	16K	Electrostatic standard
Mas distance date	100M	Accessories
Function	-	Connector

SFP MODULES



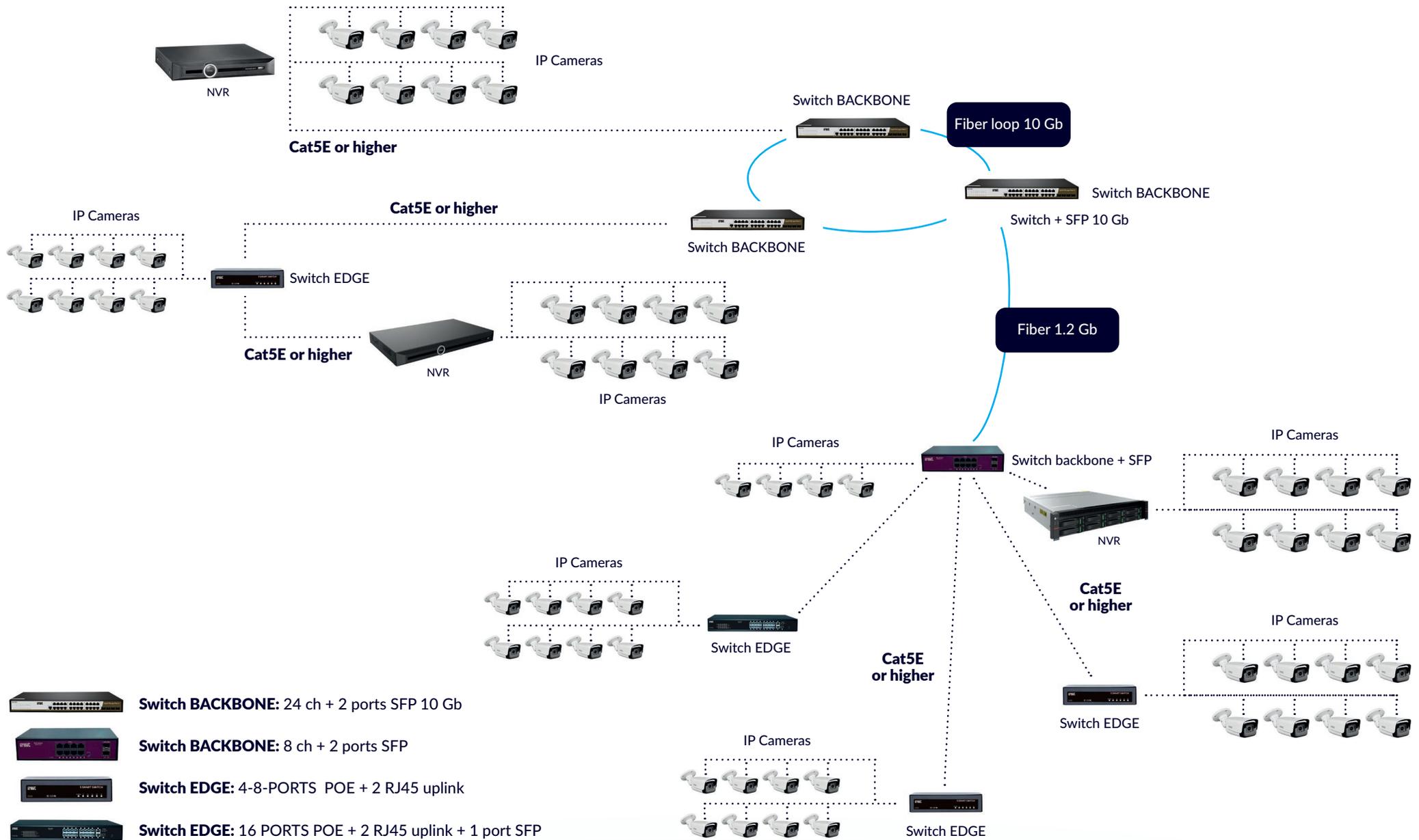
	3000/490	3000/491	3000/492
Type	10/100/1000 BASE-T copper SFP transceiver	10/100/1000 BASE-T Fibre SFP transceiver	10G Fibre SFP transceiver
Band	Up to 1.25Gb/s bi-directional data links	Up to 1.25Gb/s Data Links	9.95 to 11.3Gb/s
Connector	RJ45	LC	LC
Fiber	-	Multimode	Multimode
Cable	CAT5 + CAT6	-	-
Distance	100M	Up to 550m on 50/125µm MMF	MMF links up to 300m
Operating temperature	from -5 °C to +85 °C	from -0 °C to +70 °C	from 0 °C to +7.0 °C
CE	Yes	Yes	Yes
RoHS	Yes	Yes	Yes
Power supply	3.3V	3.3V	3.3V

SURGE PROTECTION

3000/720

MULTIFUNCTIONAL LIGHTNING AND SURGE PROTECTION DEVICE
 Surge and anti-static protection for camera power supply unit and network signals.
 The maximum discharge voltage can reach 10 KV and the response speed is nano-level, able to fully protect the equipment of a video surveillance system (Supports POE function).







	3000/080	3000/082	3000/083A	3000/084	3000/085	3000/086	3000/087
Antenna	23° 16 dBi	OMNI 7.5 dBi	21 dBi 12°H, 12°E	15 dBi 120°H, 10°E	2 connectors RP-SMA	15 dBi 120°H, 10°E	1.5 dBi omni
Wireless	802.11a/n up to 100 Mbit/s	802.11a/n 2x2 MIMO up to 200 Mbit/s	802.11 ac/a/n up to 500 Mbit/s			-	802.11 b/g/n up to 100 Mbit/s
Band	5 GHz	5 GHz	5 GHz	5 GHz	5 GHz	5 GHz	2.4 GHz
SFP ports	-	-	-	1	1	-	-
Ethernet ports	1 port 10/100	5 ports 10/100	1 port 10/100/1000	1 port 10/100/1000	1 port 10/100/1000	-	1 port 10/100
USB ports	-	1	-	-	1	-	1 per power unit
Consumption	6 W	11 W	7 W	13 W	17 W	-	3.5 W
Weatherproof	Yes	Yes	Yes	Yes	Yes	Yes	indoor
Dimensions (L x H x D)	129 x 129 x 34 mm	129 x 129 x 34 mm	265 x 80 mm (Ø x A)	140 x 348 x 82 mm	143 x 247 x 48 mm	140 x 348 x 82 mm	48 x 49 x 11 mm
Weight	295 g	1270 g	900 g	816 g	865 g	734 g	122 g

WIRELESS VIDEO TRANSMISSIONS

3000/081	BRACKET FOR POLE/WALL INSTALLATION	
3000/088	<p>ROUTER WIFI LTE WEATHERPROOF</p> <p>Antenna: 2 dBi @ 2.4 omni, 2-4.5 dBi @LTE</p> <p>Wireless: 802.11 b/g/n up to 100 Mbit/s</p> <p>Band: 2.4 GHz</p> <p>Modem: LTE: LTE (FDD) bands 1(2100)/2(1900)/3(1800)/7(2600)/8(900)/20(800); LTE (TDD) bands 38(2600)/40(2300) - 3G bands 1(2100)/2(1900)/5(850)/8(900) - 2G bands 2(1900)/3(1800)/5(850)/8(900)</p> <p>Ethernet Ports: 1 port 10/100</p> <p>Consumption: 8 W</p> <p>Dimensions (L x H x D): 185 x 85 x 30 mm</p> <p>Weatherproof: Yes</p>	

POWER BOX

Designed to be immediately operational, the power boxes are an effective and reliable professional solution capable of supplying 24 and 48V voltages simultaneously.

With LiFePO4 lithium batteries, safety and efficiency at the highest possible level. No problems with deep discharging, or deterioration of the battery pack: over 2000 deep charge/discharge cycles can be performed without worrying about battery health.

All parameters such as voltages (solar and battery), powers, charge/discharge currents are monitored via the programmable OLED display or via the MQTT cloud, or in Urmet's DataManager platform.

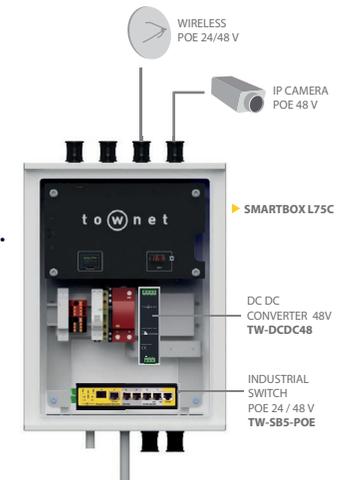
Integration contacts with PoE switches are available to decide which loads are priority or expendable in case of low battery voltage.



POWER BOX LAMP CYCLE VERSION



The powerful charging power supply ensures that the battery pack is always fully charged in the shortest possible time. Under any conditions, the maximum charging time of a fully discharged battery never exceeds 6 hours.



Environmental sensors available:



Carbon dioxide



Particulate matter



Atmosphere Pressure



Temperature



Humidity

COMPATIBLE ACCESSORIES TO BE REQUESTED AT DESIGN STAGE

	3000/022
POE Switch Managed 5P+1SFP (24+48V)	✓
POE Switch Managed 8P+4SFP (24+48V)	✓
DCDC Converter 48V	✓
DCDC Converter 12V	✓
CO2 Sensor	✓
PM Sensor 1-2.5-4-10	✓
Temperature/Humidity/Pressure sensor	✓
Router LTE / 4G + HS	✓



	3000/022
Main power supply	AC100-240 Lamp Cycle
Outdoor cabinet	Fibreglass IP68 (IP54 ventilation system)
LifePo4 Lithium battery	864 Wh
Battery voltage	14V
Total recharge	Fast Charge, 15A/220Wh, 4h
DOD cycles 80%	2000
RJ45 connectors IP68	4
Integrated display	Programmable + instantaneous volts control
Thermo-magnetic circuit breaker	Yes
Surge arrester	SPD type2 (20kA)
Battery protection fuse	20A extra-fast
Door opening alarm	Yes
Lock	Yes
Network presence check	Yes
Consent / Low battery contact	Yes
Internal temperature control	Yes
Automatic ventilation system	Yes
Dimensions (H x W x D)	425 x 325 x 180
Box Weight Kg (with Mounting Kit)	17.4 (20.9)
Mounting kit for pole installation	Yes
External environmental sensors	Optional CO2, PM 1-2.5-4-10, Temperature, Humidity, Pressure
Remote monitoring and alarms	Cloud-based software Datamanager included

POWER BOX SOLAR VERSION



The innovative high-efficiency solar charge controller (minimum 96%) is a switching buck/boost type, which means it can operate with any type of solar panel regardless of the battery voltage. The charge profile is optimised for LiFePO4 batteries, ensuring maximum efficiency and safety. It has a modern MPPT (maximum power point tracking) algorithm to achieve maximum efficiency even with partial or low insolation.



COMPATIBLE ACCESSORIES TO BE REQUESTED AT DESIGN STAGE

	3000/021
Solar panel 350W	✓
Solar panel 315W	✓
POE Switch Managed 5P+1SFP (24+48V)	✓
POE Switch Managed 8P+4SFP (24+48V)	✓
DCDC Converter 48V	✓
DCDC Converter 12V	✓
CO2 Sensor	✓
PM Sensor 1-2.5-4-10	✓
Temperature/Humidity/Pressure sensor	✓
Router LTE / 4G + HS	✓

Total Wh	10	15	17	23	29
Solar panels	150W	200W	250W	300W	350W
their performance can vary depending on a number of environmental variables					



	3000/021
Main power supply	Solar panels
Outdoor cabinet	Fibreglass IP68 (IP54 ventilation system)
MC4 panel connectors	2
LifePo4 Lithium battery	864 Wh
Battery Voltage	14V
Max. discharge current	15A
Recharging algorithm	MPPT BUCK / BOOST
Max PV panel power	600Wp (54-72 cells)
Rated voltage PV panels	36V (max 54V open circuit)
DOD cycles 80%	2000
RJ45 connectors IP68	4
Integrated display	Programmable + instantaneous volts control
Battery protection fuse	20A extra-fast
Door opening alarm	Yes
Lock	Yes
Consent / Low battery contact	Yes
Internal temperature control	Yes
Automatic ventilation system	Yes
Dimensions (H x W x D)	425 x 325 x 180
Box Weight Kg (with Mounting Kit)	17.1 (20.6)
Mounting kit for pole installation	Yes
External environmental sensors	Optional CO2, PM 1-2.5-4-10, Temperature, Humidity, Pressure
Remote monitoring and alarms	Cloud-based software Datamanager included

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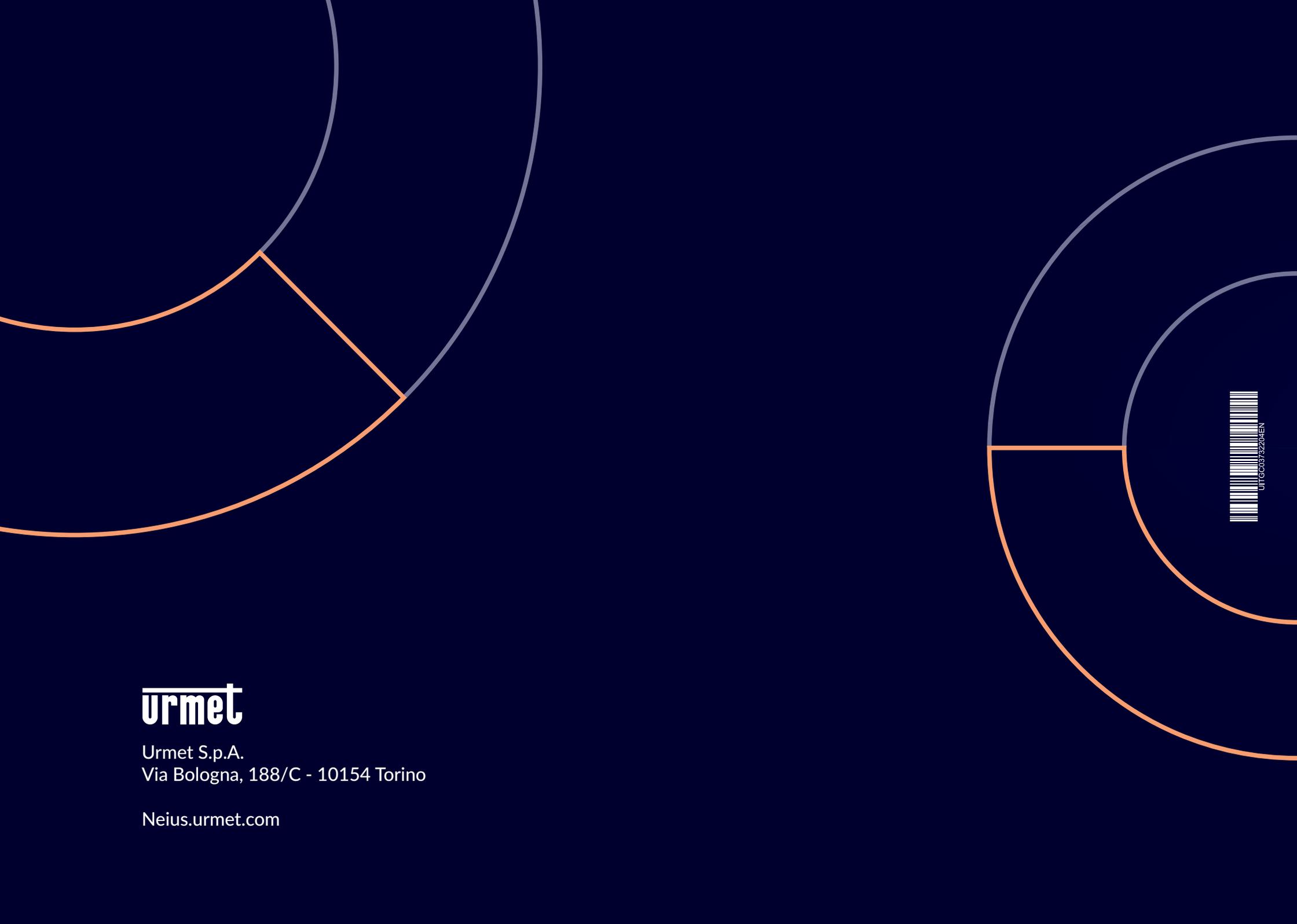
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