eneo IND-48F0002MTPA

Articlenumber: 238645

Short description

Network Dome Camera Fix, Turret, Panorama 180°, 3840x2160, Day/Night, WDR, AI, 2,0mm, IR, White Light, 12VDC, PoE, IP67



Key features

- 1/2.8" Sony STARVIS CMOS sensor,
- Maximum resolution 3840x2160 pixels, 20fps
- Panorama ultra wide-angle camera 180° HFoV
- AI analysis functions including object classification
- WDR 120dB and 3D-DNR noise reduction
- Lens 2.0mm fixed focal length
- Smart codec H.265/H.264, multi-streaming
- Browser-independent (Edge, Safari, Firefox, Chrome)
- Supports ONVIF profiles S/T/G/M and audio
- Local storage via micro SD card
- NDAA compliance
- Integrated IR and white light LED illumination, IP67

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Features

Product Labels	
EAN/GTIN	4260229840733
Manufacturer number	238645
Series	eneo IN-Serie
Camera	
Camera shape	Minsters
Chip size	1/2,8"
Resolution standard	8 MP
Photosensitivity	0,007 Lux bei F1,0
Recording sensor	CMOS, Sony IMX415
System	True Day&Night, 24h Color
Manual Electric Shutter (MES)	1-5~1-20,000sec.
Backlight compensation	Yes
Day/night switching	Switchable IR Filter (ICR)
Day/night mode	Day, Night, night-color mode, Time
White balance	Automatic, Manual
Video	
Resolution (extended)	3840x2160 (16:9) @20fps, 2592x1944 (4:3), 2592x1520 (16:9), 2304x1296 (16:9), 1920x1080 (16:9), 1280x960 (4:3), 1280x720 (16:9), 640x480 (4:3)
Picture size	16:9, 4:3
Video Compression	H.264, H.265, H.264+, H.265+, M-JPEG
Data stream types	Triple-Stream(Main/Sub/Mobile)
Image transfer rate max.	20 fps
Lens	
Lens Type	Prime lens
Focal length	2 mm
MOD (Minimum Object Distance)	0.6 m
Aperture Range (F)	F2,4
Vertical angle of view	91°
Horizontal angle of view	180°
Iris Control	DC
Display / Presentation	
Image resolution max.	3840x2160

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Continuation Features

DORI	
Perceiving (25px/m)	27,3 m
Watch (62px/m)	11,1 m
Detect (125px/m)	5,4 m
Identify (250px/m)	2,6 m
Features	
Multicast	Yes
Motion detector	Yes
Analysis	Intrusion (PID), Line crossing (LCD), Passage count (CC), Heat Map (HM), Rare Sounds (RSD), Abandoned and Removed Objects (SOD), Enter Region, Intrusion, Leave Region, Crowds (CD), Object Classification Human / Vehicle (PD&VD), Queues (QD), Manipulation (TD)
Alarm processing	Red & bule flashing lights, Siren
Audio support	Yes
Audio	Built-in speaker, Built-in microphone, 2 Way Audio
Password	Administrator and User
Internal memory	microSD card slot
Menu languages	English, German, French, Italian, Portuguese, Spanish, Turkish, Russian, Japanese
Browser	Safari, Firefox, Google Chrome, Edge
Digital Noise Reduction (DNR)	Yes
Privacy Zone	Areas-ON/OFF switchable
Network	
Security	IP address filtering, Password, Complicated password, IEEE 802.1X-Authentication (available from firmware version 8.2.4.1)
Network Protocols	TCP-IP, HTTP, DHCP, DNA, DDNS, RTP, RTSP, NTP, UPnP, SMTP, HTTPS, FTP, IEE 802.1
Interfaces / Inputs / Outputs	
External connections	RJ-45, 12VDC input (DC plug), connection cable approx.30cm, micro SD card slot 256 GB
Ports	RJ-45
Control Interfaces	Ethernet
General	
Wide Dynamic Range (WDR)	WDR
Lighting	Infrared, White

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Continuation Features

Dimensions (WxHxD) (extended)	97,7x116,5mm
Weight	0.59 kg
Illumination range	Approx. 25 m Infrared | Approx. 15 m White light
Color (Housing)	RAL9003, Pantone P 179-1 / Other colors available upon request
Housing type	Outside
Housing material	Aluminium
Heating	No
Camera Type	Domecamera
Power consumption	13 W
Mounting type	Wall, Ceiling
ONVIF	ONVIF Profile S, ONVIF Profile G, ONVIF Profile T, ONVIF Profile M
Power over Ethernet	IEEE 802.3af
ESC	1/5 ~ 1/20.000sec.
Protection	IP67, NEMA 4X
SDK	upon request
Power supply	12VDC, Poe
Temperature Range (Operating)	-35°C ~ +60°C, @ Luftfeuchtigkeit 95% oder weniger (nicht kondensierend)
Text overlay	Switchable on/off
Scope of Delivery	
Scope of delivery	Quick installation guide, drilling template, 3x wall plugs with screws, 1x Allen wrench, 1x waterproof cover for RJ45 connector

Further information

Video Clip:

Use Cases:

Entrances & reception areas

Perfect for covering doorways and lobby zones: the **180° panoramic view** minimizes blind spots and can reduce the number of cameras required.

Retail – coverage & business insights

Designed for shop floors, checkout areas and promotions: **Heat Mapping** and **People Counting** help analyze customer flow and optimize merchandising and staffing.

Parking lots & driveways

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Continuation Further information

Ideal for car parks, gates and access roads: **AI human/vehicle classification** helps deliver more relevant alarms and reduces false notifications – day and night.

Building perimeter protection

For façades, back doors, yards and loading areas: **Line crossing** and **intrusion detection** enable event-driven alerts, while **WDR** handles challenging backlight scenes.

Warehouses, logistics & loading bays

Great for dock doors and dispatch areas: the combination of **ultra-wide coverage** and **8MP resolution** provides both overview and detail in dynamic lighting.

Outdoor & industrial sites

Built for harsh conditions: **IP67** protection and an operating range down to **-35°C** support reliable year-round outdoor deployment.

Night surveillance with IR and white light

For low-light or unlit areas: integrated **IR and white-light LEDs** support clear imaging and deterrence depending on the chosen mode.

Unattended sites / edge recording

For branches, remote locations or temporary setups: **microSD edge storage** enables recording even without a permanent NVR connection.

Audio-enabled security

For entrances and security zones: built-in **microphone and speaker** enable audio monitoring and live/remote announcements (subject to configuration and local compliance).

Optional Accessories

Art. Nr	Name	Product description
218218	eneo Site Manager	Management Software for eneo IP products
236198	eneo INsight Installation Tool	Supports adjustments for cameras with AI features for IN-series
234989	eneo INsight	Control software for recorder IN- and MN-series
234990	eneo INsight mobile	Mobile App for recorder IN- and MN-series
233775	eneo AK-21	Camera connection box for Wall and ceiling mounting, Bullet and Dome Cameras IN series
234757	eneo DOME-WB7	Wall bracket for Mini Dome IND-42M2808M0A
245314	eneo AK-30	Camera junction box for wall- and ceiling mount fix turret dome and bullet cameras IN-Serie

Optional Recommendations

Art. Nr	Name	Product description

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Continuation Optional Recommendations

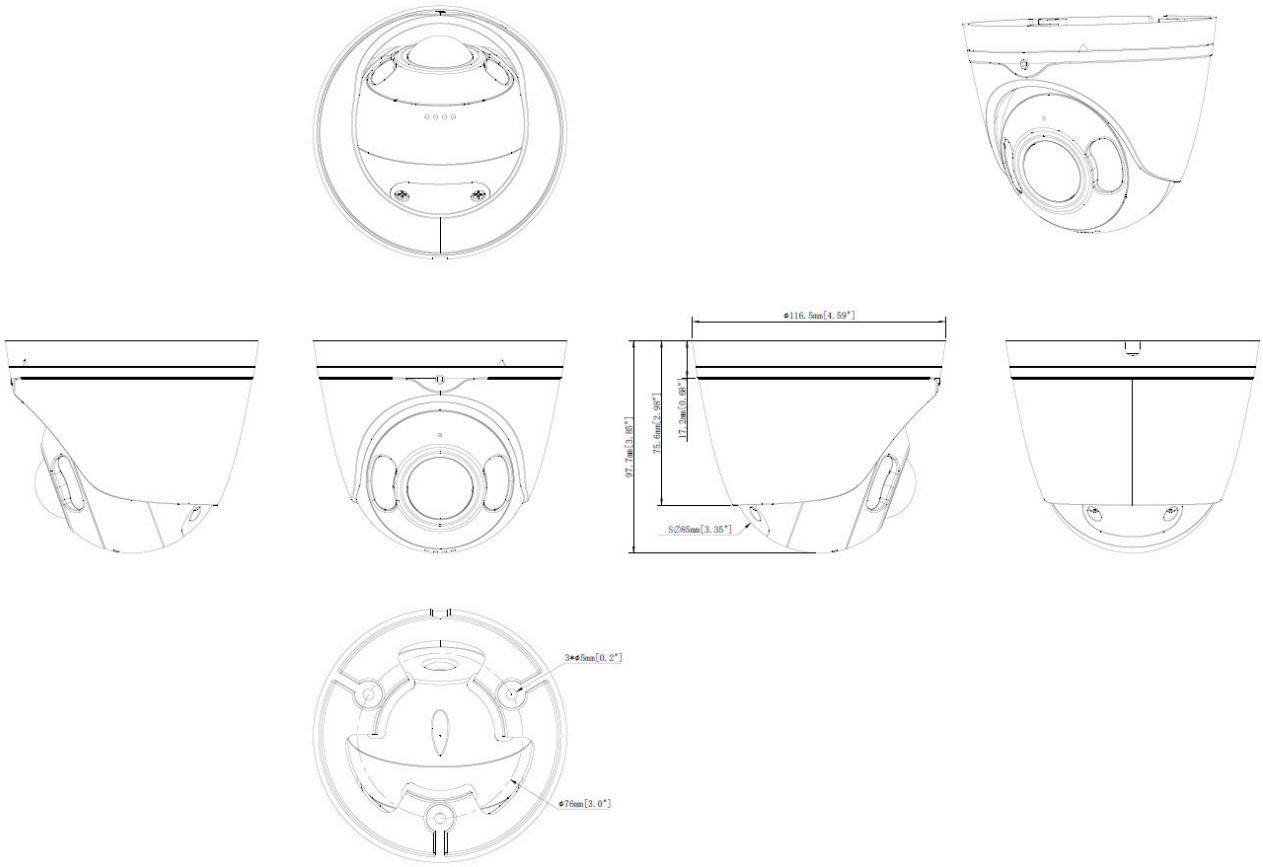
242363	eneo NSUR-1008M0A	Gigabit Switch Rack, Unmanaged, 8x PoE, 2xSFP, max. 30W each Port, integrated Power Supply max. 150W
242364	eneo NSUR-1016M0A	Gigabit Switch Rack, Unmanaged, 16x PoE, 2xSFP, max. 30W each Port, integrated Power Supply max. 250W
242365	eneo NSUR-1024M0A	Gigabit Switch Rack, Unmanaged, 24x PoE, 2xSFP, max. 30W each Port, integrated Power Supply max. 400W
242366	eneo NSMR-2008M0A	Gigabit Switch Rack, Managed, 8x PoE, 2xSFP, max. 30W each Port, internal Power Supply max. 150W
242367	eneo NSMR-2016M0A	Gigabit Switch Rack, Managed, 16x PoE, 2xSFP, max. 30W each Port, integrated Power Suppply max. 250W
242368	eneo NSMR-2024M0A	Gigabit Switch Rack, Managed, 24x PoE, 2xSFP, max. 30W each Port, integrated Power Supply max. 400W
242369	eneo NSUI-3004M0A	Gigabit Switch Industrial, Unmanaged, 4x PoE, 1xRJ45, 1xSFP, 30W each Port, -40°C~75°C, 44~57 VDC, w/o power supply
242370	eneo NSUI-3008M0A	Gigabit Switch Industrial, Unmanaged, 8x PoE, 2xSFP, 30W each Port, -40°C~75°C, 44~57 VDC, w/o power supply
242371	eneo NSMI-4004M0A	Gigabit Switch Industrial, Managed, 4x PoE, 2xSFP, 30W each Port, -40°C~75°C, 44~57 VDC, w/o power supply
242372	eneo NSMI-4008M0A	Gigabit Switch Industrial, Managed, 8x PoE, 2xSFP, 30W each Port, -40°C~75°C, 44~57 VDC, w/o power supply
219598	jetrics jetcat6SFTP-GN-0,5/1	
219599	jetrics jetcat6SFTP-GN-1/1	
219600	jetrics jetcat6SFTP-GN-2/1	
219601	jetrics jetcat6SFTP-GN-3/1	
219602	jetrics jetcat6SFTP-GN-7,5/1	

Optional Services

Art. Nr	Name	Product description
211125	VIDEOR PAINTING SERVICE fix dome camera	in RAL color
214441	VIDEOR PAINTING SERVICE basic costs	once per RAL color and delivery lot
229234	VIDEOR CON-KAM-IPKON	Preconfiguration 1x IP camera Function test, FW update

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Technical Drawing



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