

# IND-45F0028M0A

SKU: 233902



Mini Network Dome Fix, 2880x1620, Day/Night, WDR, AI, 2,8mm, IR, PoE, IP66

## Main Features

1/2.7" CMOS sensor, maximum resolution 5 MP/30fps

AI analysis functions including object classification

WDR 120dB, 3D-DNR noise reduction

Fixed focal length lens 2.8mm (HFOV 110°)

Smart Codec H.265/H.264, multi-streaming

Browser independent (IE, Edge, Safari, Firefox, Chrome)

Supports ONVIF Profile S and Profile T

Multilingual menu navigation (OSD)

Local storage via Micro SD card

Supports audio (built-in microphone)

Power supply PoE IEEE 802.3af

IR LED illumination, IP66

## Specifications

General:	
Dimensions (HxWxD)	115,3x64,3mm
Illumination	1x High Power LED 850nm, Infrared
SDK	upon request
Text display	ON/OFF switchable
Series	eneo IN-Series
Camera Type	Face recognition, License plate recognition, People Count, Retail Intelligence
Housing	Outdoor
Color (housing)	Pantone P 179-1, RAL9003
Color (bubble)	clear

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## Continuation of the specifications

Housing material	Aluminium, Plastic
Heater	no
Blower	no
Mounting	Ceiling mount, Wall mount
Supply voltage	PoE
Power consumption	4.5W
Power over Ethernet	IEEE 802.3af
Vandal proof	no
Operating temperature	-35°C ~ +60°C, @ Humidity 90% or less (non-condensing)
ONVIF	ONVIF Profile G, ONVIF Profile S, ONVIF Profile T
Protection rating	IP66
Illumination range	approx. 20m
Weight	265g
EAN/GTIN	4260229840009
DORI:	
Observe (62 px/m)	25,4 m
Recognize (125 px/m)	12,1 m
Identify (250 px/m)	5,4 m
Detect (25px/m)	64,4 m
Functions:	
Alarm processing	recording internal storage (SD card),E-Mail,HTTP,FTP,TCP,UDP,Cloud Upload
Motion detector	yes
Menu languages	English,German,French,Italian,Portugese,Spanish,Turkish,Russian,Japanese
Mirror function	V flip,H-flip,H/V flip
Multicast compliant	yes
Password protection	administrator & users
Privacy zone masking	Areas-ON/OFF switchable
Web browser	MS Internet Explorer 10/11,Safari ,Firefox ,Google Chrome ,Edge
Digital Noise Reduction	3D-DNR, yes
Audio support	yes
Internal storage	256GB, microSDHC card, microSDXC card
Analysis functions	Attribute Detection (AD), Cross Counting (CC), Crowd Density Detection (CD), Face Attendance (FA), Face Detection (FD), Face Recognition (FR), Heat Map (HM), Human&Vehicle Detection (PD&VD), License Plate Detection (LPD), License Plate Recognition (LPR), Line Crossing Detection (LCD), Perimeter Intrusion Detection (PID), Queue Length Detection (QD), Rare Sound Detection (RSD), Stationary Object Detection (SOD)

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## Continuation of the specifications

Audio	1 Way Audio, built-in microphone
Remote configuration	Browser
Camera:	
Imager	SmartSens,SC500AI,CMOS
Automatic electronic shutter (ESC)	1/5 ~ 1/20.000sec.
Flickerless function	yes
Backlight compensation	BLC,HLC
Low speed shutter	yes
Manual electronic shutter (MES)	1/5 ~ 1/20.000sec.
Signal-to-noise ratio	39dB
Day&Night mode	Automatic,Day,Night,Image,Time
White balance	Automatic,Manual
Wide Dynamic Range (WDR)	WDR 120dB
Resolution Standard	5 Megapixel
System	True Day&Night
Sensor size	1/2.7"
Day&Night switch	ICR
Sensitivity	0,004 Lux at F1,6
Camera type	Dome
Parts supplied:	
Parts supplied	manual,bag of screws
Network:	
Network protocols	TCP/IP,HTTP,DHCP,DNS,DDNS,RTP,RTSP,SMTP,NTP,UPnP,SNMP,HTTPS,FTP
Lens:	
Lens Type	fixed focal length
Focal Length	2,8 mm
Iris Control	DC
Digital Zoom	yes
MOD (Minimum Object Distance)	1,8 m
Interfaces / Inputs/ Outputs:	
External connectors	RJ-45,micro SD card slot 256 GB
Alarm inputs	nein
Alarm outputs	no
Ethernet interface	100Base-TX, 10Base-T
Serial interfaces	Ethernet
Video:	
Resolution	2880x1620 (16:9),2592x1520 (16:9),2304x1296 (16:9),1920x1080 (16:9),1280x960 (4:3),1280x720 (16:9),640x480 (4:3),320x240 (4:3)
Image display	16:9,4:3,VerticalView
Stream types	Triple-Stream(Main/Sub/Mobile)
Video compression	H.264, H.264+ (Smart Stream), H.265, H.265+ (Smart Stream), M-JPEG

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## Continuation of the specifications

Image resolution max.	2880x1620
Image Transmission Rate	30 fps
Other	
Remarks	NDA compliance under Section 889, The face detection and license plate recognition functions are only available with an inserted SD card or in conjunction with a recorder from the eneo IN series., To guarantee you an optimum user experience, we recommend that you only use components of the same brand in a system. If several brands are used in combination, eneo cannot guarantee functionality. If combined use is necessary, we offer a compatibility check for a fee (for more information, see article number #229235 at
Horizontal Angle of View	110°
Vertical Angle of View	58°
Manufacturer order number	233902

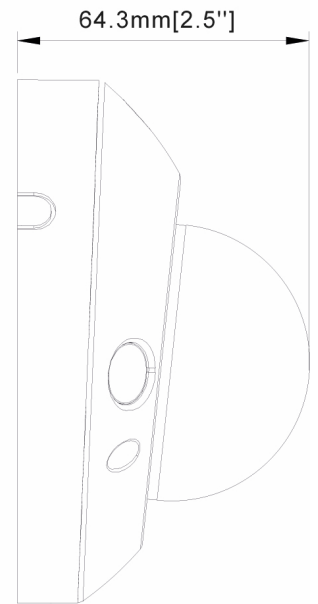
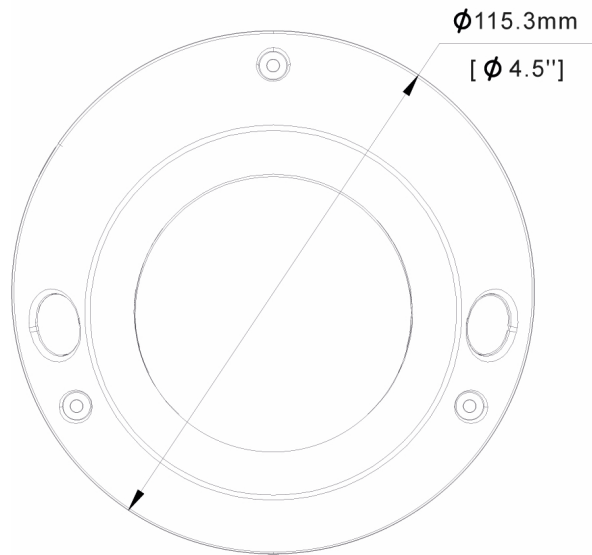
## Optional Accessory

SKU	Name	Description
236198	eneo INsight Installation Tool	Supports adjustments for cameras with AI features for IN-series
234990	eneo INsight mobile	Mobile App for recorder IN- and MN-series
218218	eneo Site Manager	Management Software for eneo IP products

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## Technical Drawing

UNIT:mm[inch]



Maße / Dimensions: mm



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