

# EpCAM HD-DM

## High resolution motorized DOME digital camera for RiTa license plate recognition systems



### Description

Modern **3MP** IR Network Dome Camera specifically designed for applications of **plate recognition** (ANPR). Small in size and easy to install, with a resolution of **3 Megapixel** that allows reading of reflective plates even for large gates (up to 2 lanes).

Certified for use with the ANPR **RiTa** application, developed by **Elimos** for the realization of access control systems with license plate recognition, with the highest performance and maximum flexibility of use.

Equipped with **3-10mm motorized lens** and an illuminator up to 20m (**5-10m** for ANPR application), easily adjustable for a rapid installation, adapts to any condition.

Advanced WDR (Wide Dynamic Range), Multi Shutters (100dB) and Smart Catch Technology, combined with the characteristics of Elimos' **RiTa** application, guarantee the highest performance for license plates recognition in all light conditions up to 50 km/h.

The **IP67** hard coated cover of the camera allows its installation both indoors and outdoors. Moreover the integrated heater ensures operation even at extreme temperatures up to **-40° C**.

This series is also available for **video surveillance** (OVERVIEW), and it can be matched with the license plate recognition model, with the same performance and the same mechanics for maximum aesthetic yield of the system.

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## Caratteristiche tecniche

CAMERA	EpCAM HD-DM
Sensor Size (HxV pixel)	2304 x 1536
Sensor	Color optimized for low-light performance
Optical Size	1/3"
Max Frame Rate	3MP (2048x1536) @ 30fps – HD 1080P (1920x1080) @ 60fps
Video output format	H264, MJPEG stream
Exposure Control	Shutter adjustable via SW 1/7 ... 1/20.000 s
Communication interface	RJ45, 10/100/1000 Mbit/sec Ethernet
Communication protocol	TCP/IP, HTTP, UDP, RTP, RTSP, FTP, NTP, SMTP, DNS, DHCP, uPnP, ONVIF, IPv4/v6
Day/Night Function	Auto / Day & Night / By Schedule
Image Enhancement	true WDR (multiple shutters) 100db, AES, AWB, AGC, 3DNR
Vehicle speed	0 – 50 km/h

## LENS

Lens type	Varifocal 3 – 10 mm F 1.4 motorized – 95.6°~28.8° (H)/68.8°~21.6° (V)
Effective range of ANPR	up to 5 – 10 m

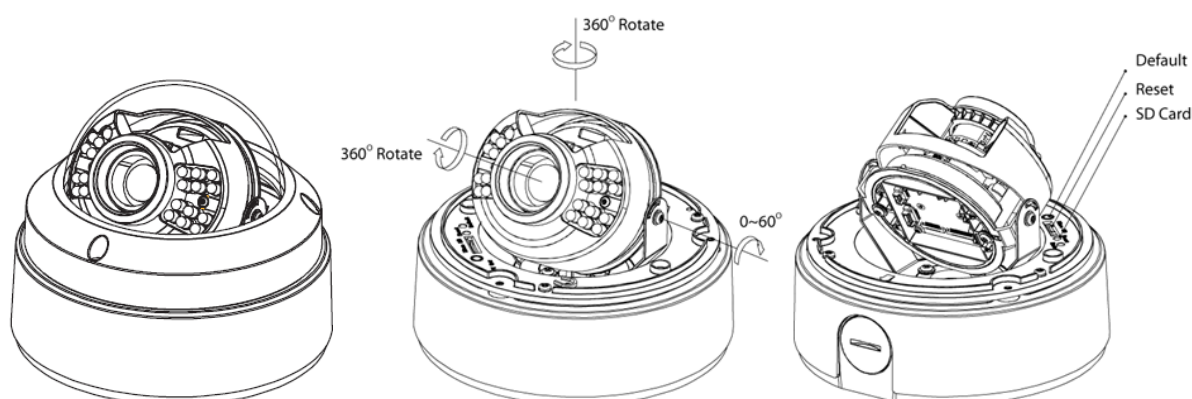
## IR ILLUMINATOR

Type	Auto/On/Off, Smart IR+, 24 LED up to 25m
Wavelength	850 nm

## MECHANICS/ELECTRONICS

Power requirement	12V DC / 24 VAC / PoE+ (IEEE 802.3at)
Power consumption	Max 12W
Dimension (L x W x H)	Φ 145.6mm x 125.7mm (H)
Conformity e IP rating	CE, FCC – IP67
Vandal Resistant	IK10
Operating temperature	-40°C ~ +60°C ;
I/O	1 Input / 1 Output
Weight	1725 g
Power Supply	Optional
Connection Box (ConJbox)	Optional
Cabling	Hidden and protected

## Dimension



## OPTIONS (to be ordered separately)

- Power supply for DIN trail **220VAC 24VAC**
- Connection box **ConJBOX** complete with internal electronics, undrilled (the holes and the relative cable tray depend on installation)
- **ConJBOX Cable tray** for the RJ connector **directly mounted on the camera**

For further information about the products and the applications please visit [www.elimos.it](http://www.elimos.it)

