



## MAIN FEATURES

Camera sensor	1/3" CMOS
Lens type	Autofocus, Motorized
Lens optical varifocal dimensions (mm)	2.8 ÷ 12
Horizontal FoV (°)	102.7÷32.2
Vertical FoV (°)	70.2÷18.5
Diagonal FoV (°)	110.2÷36.7
Electronic shutter (s)	1/25÷100000
Camera optical zoom	4x
Camera digital zoom	16x
Sensitivity (lux)	0.1 (colour), 0 (B/W, led IR ON)
Signal/noise ratio (dB)	>52 (AGC OFF)
IR filter	Mechanical
Video transmission	Triple streaming
Management software	Comelit Advance VMS
Video resolution (H x V - pixel)	4K (8MP)

## SOFTWARE/FIRMWARE SPECIFICATIONS

Video compression	Smart H.265, H.265+, H.265, Smart H.264, H.264+, H.264, MJPEG
Frame rate	20/60fps
Protocols supported	DDNS, Comelit DNS, DHCP, FTP, HTTP, HTTPS, IPv4, IPv6, NTP, PPPoE, QoS, RTSP, SMTP, UDP, UPnP, IEEE 802.1x, ONVIF - (Profile-S, Profile-G)
Updating firmware using network	Yes
Users connected at the same time	3 (live)
Network security	Multi-user authorization, HTTPS, AES encryption, RTSP verif.
Remote viewer from browser	Internet Explorer
Remote control by mobile	app Comelit Advance (Android, iOS)

## FUNCTIONS

The technical specifications are subject to change without prior notice.

Motion detection (zones)	396
Video analytics	Scene change detection, Face detection, Face capture, Video tampering detection, Human tracking, Line crossing detection (human / vehicle classification), Region entrance / exit / intrusion detection (human / vehicle classification), Vehicles / people counting, , , ,
Privacy zones (n°)	4
Back light compensation (BLC)	BLC, HLC
Digital effects	Corridor mode (90° / 180° / 270° rotation), Defog, Mirror (Horizontal, Vertical, 180° rotation), ROI zones
Wide Dinamic Range (WDR)	WDR (120dB)
Enhanced DNR control	3DNR
White balance control	AWB, Indoor, Manual, Outdoor
Automatic gain control (AGC)	Yes
Camera titling	Yes

#### HARDWARE SPECIFICATIONS

IR LED lighting distance	2 led arrays / 50m (Smart IR)
Vandal Resistant rating (IK code)	IK10
IP protection rating	IP67
Alarm Inputs/Outputs	1/1
Audio Inputs/Outputs	1 (RCA) / 1 (RCA) (G.711u / G.711a)
LAN output type	Ethernet 10/100 Mbit/s (RJ45)
Support SD card (card not included)	Micro-SD (256GB max)

#### GENERAL DATA

Supply voltage	12VDC
Max absorption (W)	12
PoE power supply	Standard IEEE 802.3af
Absorption with PoE power supply (W)	15
Type of power supply	PoE, External power supply
Height (mm)	88.9

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GENERAL DATA	
Width (mm)	100.3
Depth (mm)	279.5
Product weight (g)	1032
Type of finishing materials	Die-cast aluminum
Housing type	Bullet
Product color	White
Operating temperature (°C)	-30 ÷ 60
Operating humidity (RH max) (%)	25 ÷ 95