

**IP04A1Z03A****IP MINIPTZ CAMERA 4MP 3X****ADVANCE
SERIE**

Ultra-compact Advance series MINI PTZ IP camera, protection rating IK10. 3x optical zoom, resolution 4MP@30 fps. IR LEDs with a range of 20 metres (Smart IR), ONVIF compatible. Video analysis functions: Line cross detection (distinction between humans / vehicles), Detection of Entry into / Exit from / Intrusion into an area (distinction between humans / vehicles). Smart tracking function, Scene change detection, Video tamper detection, Out-of-focus image detection. DWDR, Smart compression H.265+/H.265/H.264+/H.264/MJPEG, SD slot (max. 256 GB). Audio: built-in microphone, 1 audio in / 1out. Alarms: 1in/1out. IP67 waterproof die-cast aluminium enclosure, power supply 12 VDC / PoE IEEE802.3af. Compatible accessories: JBA-05A, CMA-BA, WMA-BA, PMA-A, AMA-A. Power adapter included.

AWARDS



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MAIN FEATURES

Camera sensor	1/2.7" CMOS Ultra Starlight
Lens type	Autofocus, Motorized
Lens optical varifocal dimensions (mm)	3.18 ÷ 7.42
Horizontal FoV (°)	113÷44
Vertical FoV (°)	60÷25
Diagonal FoV (°)	137.5÷51
Electronic shutter (s)	1/30÷1/30000
Camera digital zoom	16x
Sensitivity (lux)	0.02 (colour), 0 (B/W, led IR ON)
Signal/noise ratio (dB)	>52
Video trasmission	Triple streaming
Management software	Comelit Advance VMS
Video resolution	4MP

DORI

Detection (min - max) (m)	63 ÷ 148
Observation (min - max) (m)	25 ÷ 59
Recognition (min - max) (m)	12.5 ÷ 30
Identification (min - max) (m)	6 ÷ 14

SOFTWARE/FIRMWARE SPECIFICATIONS

Video compression	H.265+ / H.265 / H.264+ / H.264 / MJPEG
Audio compression	G711A/U
Frame rate	30fps
Bit rate range (Mbit/s)	0.13 ÷ 16.4
Protocols supported	DDNS, DHCP, FTP, HTTP, HTTPS, IPv4, IPv6, NTP, PPPoE, QoS, RTCP, RTP, RTSP, SMTP, TCP/IP, UDP, UPnP, IGMP, ICMP, DNS, SNMP, IEEE 802.1x, ONVIF (Profile-S), ONVIF (Profile-G), ONVIF (Profile-T)
Updating firmware using network	Yes



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SOFTWARE/FIRMWARE SPECIFICATIONS

Number of simultaneous connections	16
Remote viewer from browser	Edge, Firefox, Chrome, Safari
Remote control by mobile	app Comelit Advance (Android, iOS)
Latest firmware version	5.1.1.0(64395) (2025-08-05)

FUNCTIONS

Motion detection	Yes
Video analytics	Scene change detection, Video tampering detection, Line crossing detection (human / vehicle classification), Region entrance / exit / intrusion detection (human / vehicle classification), Smart Tracking, Blurred image detection
Privacy zones (n°)	8
Back light compensation (BLC)	BLC, HLC
Digital effects	Saturation, Brightness, Contrast, Sharpness
Wide Dinamic Range (WDR)	D-WDR
Enhanced DNR control	3D-DNR
White balance control	Automatic, Indoor, Manual, Outdoor
Camera titling	Yes

HARDWARE SPECIFICATIONS

IR LED lighting distance	20m
Vandal Resistant rating (IK code)	IK10
IP protection rating	IP67
Alarm Inputs/Outputs	1/1
Maximum load alarm outputs	24 V DC/AC 1A
Audio Inputs/Outputs	1 + Mic / 1
LAN output type	Ethernet 10/100 Mbit/s (RJ45)
Support SD card (card not included)	Micro-SD (256GB max)

GENERAL DATA



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Supply voltage	12VDC
Max absorption (W)	12
PoE power supply	Standard IEEE 802.3af
Type of power supply	PoE, External power supply
Diameter (mm)	116
Height (mm)	75
Product weight (g)	463
Type of finishing materials	Die-cast aluminum, High Impact Polycarbonate
Housing type	Speed dome
Product color	Black and white
Operating temperature (°C)	-30 ÷ 55
Operating humidity (RH max) (%)	25 ÷ 90

**IP04A1Z03A****IP MINIPTZ CAMERA 4MP 3X****ACCESSORIES****JBA-05A****CONNECTION BOX, ADVANCE NEXT**

Junction box for securing Next and Advance cameras. For model compatibility, please refer to the diagram in the download section.

**WMA-BA****ADVANCE NEXT BIG WALL BACKPLATE**

Wall-mounting bracket for Next and Advance cameras. For model compatibility please refer to the diagram in the download section.

**PMA-A****ADVANCE ADVANCE NEXT BEUGEL OP PAAL POLE-MOUNTING BACKPLATE**

Pole-mounting accessory for Next and Advance cameras. For model compatibility please refer to the diagram in the download section. Pole diameter from 80 to 140 mm

**CMA-BA****ADVANCE NEXT BIG CEILING BACKPLATE**

Ceiling-mounting accessory for Next and Advance cameras. For model compatibility please refer to the diagram in the download section.

**AMA-A****ADVANCE NEXT CORNER BACKPLATE**

Corner-mounting accessory for Next and Advance cameras. For model compatibility please refer to the diagram in the download section.