

**IPKCAMA04FD****VANDALDOME IP CAMERA, 4MP 2.8MM****ADVANCE
SERIE**

Advance series vandaldome IP camera with IK10 protection rating. Ideal for all installations in which the camera is in a position at risk of tampering or damage. 2.8 mm fixed lens, resolution 4MP@30 fps. IR LEDs with a range of 10 metres (SMART IR), ONVIF compatible (Profile S and Profile G). Video analysis functions: Object abandoned/removed function, heat map, Face detection, Line cross detection (distinction between humans / vehicles), Detection of Entry into / Exit from / Intrusion into an area (distinction between humans / vehicles), Human / vehicle counting on a line and in an area, Scene change detection, Video tamper detection, Out-of-focus image detection, Metadata analysis, No parking, Loitering, Audio fault. WDR 120Db, compression H.265+/H.265/H.264+/H.264/MJPEG, SD slot (max. 256GB). Audio: 1 in, 1 out, 2 built-in microphones. Alarms: 1 in, 1 out. IP67 waterproof die-cast aluminium enclosure, power supply 12 VDC / PoE IEEE802.3af. Compatible with browsers: Google Chrome/Edge/Firefox/Safari. Compatible accessories: WMA-01A.

AWARDS



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MAIN FEATURES

Camera sensor	1/3" CMOS Ultra Starlight
Lens optical dimensions (mm)	2.8
Effective pixels (H x V - pixels)	2688x1520
Horizontal FoV (°)	95
Vertical FoV (°)	53
Diagonal FoV (°)	100
Electronic shutter (s)	1/3 ÷ 1/100000
Camera digital zoom	Yes
Sensitivity (lux)	0.005 (colour), 0 (B/W, led IR ON)
Video trasmission	Triple streaming
Management software	Comelit CCTV Manager
Video resolution	4MP
Tera Operations Per Second (TOPS)	1.5

DORI

Detection (m)	60
Observation (m)	24
Recognition (m)	12
Identification (m)	6

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)	0.06 ÷ 8
Protocols supported	DDNS, DHCP, FTP, HTTP, HTTPS, IPv4, IPv6, NTP, PPPoE, QoS, RTCP, RTP, RTSP, SMTP, UDP, UPnP, P2P, SNMP, IEEE 802.1x, RTMP, ONVIF (Profile-S), ONVIF (Profile-G), ONVIF (Profile-M), ONVIF (Profile-T)
Updating firmware using network	Yes



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SOFTWARE/FIRMWARE SPECIFICATIONS

Number of simultaneous connections	8 (live)
Remote viewer from browser	Edge, Firefox, Chrome, Safari
Remote control by mobile	APP Comelit CCTV
Latest firmware version	5.2.2(44436)(2024-05-14)

FUNCTIONS

Main functions	3D-DNR, BLC, Defog, HLC
Video analytics	Scene change detection, Video tampering detection, Line crossing detection (human / vehicle classification), Region entrance / exit / intrusion detection (human / vehicle classification), Object abandoned / missing detection, Vehicles / people counting, Heat map, Face detection, Blurred image detection, metadata-analysis, parking-prohibited, loitering, Audio anomaly
Optimal people detection distance (m)	10
Optimal vehicle detection distance (m)	15
Back light compensation (BLC)	BLC, HLC
Digital effects	Corridor mode (90° / 180° / 270° rotation), Mirror (Horizontal, Vertical, 180° rotation), ROI zones, Saturation, Brightness, Contrast, Sharpness, Image flip
Wide Dinamic Range (WDR)	WDR (120dB)
Enhanced DNR control	3D-DNR
White balance control	Automatic, Indoor, Manual, Outdoor
Display brightness control	Yes
Image flip	Yes
Automatic gain control (AGC)	Yes
Camera titling	Yes

HARDWARE SPECIFICATIONS

IR LED lighting distance	10m
Vandal Resistant rating (IK code)	IK10
IP protection rating	IP67



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HARDWARE SPECIFICATIONS

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

Supply voltage	12VDC
Max absorption (W)	5.5
PoE power supply	Standard IEEE 802.3af
Type of power supply	PoE, External power supply
Diameter (mm)	110
Height (mm)	62
Product weight (g)	430
Type of finishing materials	Die-cast aluminum
Housing type	Minidome
Product color	White, Black
Operating temperature (°C)	-30 ÷ 60
Operating humidity (RH max) (%)	25 ÷ 95



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ACCESSORIES



WMA- ADVANCE NEXT WALL-MOUNT BACKPLATE
01A

Wall-mounting support for Next and Advance cameras. For compatibility with models, please refer to the diagram in the downloads section.