

A214

5MP Deep Learning AI 40x Zoom Box with WDR 150dB



- 5 Megapixel, 40x, Zoom Box
- Deep Learning AI
- Extreme WDR (150 dB)
- Frame Rate 60fps
- Face Recognition, Counting
- Automatic License Plate Recognition
- DORI (86-3400 / 34.7-1371 / 17.2-680 / 8.6-340m)
- Built-in TPM 2.0 security

► Specifications

Product Profile

Product Type	Zoom Box
Application Environment	Indoor/Outdoor
Maximum Resolution	5MP
Image Sensor	Progressive Scan CMOS
Sensor Size	1/2.7 "
Effective Pixels	2608(H) X 1964(V) x 1 (5.1 MP)
Day / Night	Yes
Low Light Sensitivity	Extreme
Minimum Illumination	Color: 0.197 lux; B/W: 0 lux
Mechanical IR Cut Filter	Yes
Electronic Shutter	1-1/10000 second (manual mode); 1-1/10000 second (auto mode)
S/N Ratio	75 dB

Lens

Focal Length	Zoom, f4.3-170mm
Aperture	F1.6-F5.0

Zoom Ratio	40x optical zoom, 10x digital zoom
Iris	P-Iris Auto iris
Focus	Auto focus
Horizontal Viewing Angle	62.6° - 1.9°
Vertical Viewing Angle	48.8° - 1.4°

Video

Compression	H.265 Adaptive Stream, H.264, MJPEG
Smart ROI	Yes, supports up to 3 configurable regions per supported stream
Maximum Frame Rate vs. Resolution	60 fps at 2592 x 1944 60 fps at 2560 x 1440 60 fps at 2048 x 1536 60 fps at 1920 x 1080 60 fps at 1280 x 1024 60 fps at 1280 x 720 60 fps at 1024 x 768 60 fps at 800 x 600 60 fps at 720 x 480 60 fps at 640 x 480 60 fps at 352 x 240 60 fps at 320 x 240
Multi-Streaming	Simultaneous quad streams
Digital Noise Reduction	3D DNR
Wide Dynamic Range	Extreme WDR (150 dB)
Image Orientation	Flip, Mirror, Rotation (Corridor mode) (90°, 180°, 270°)
Image Enhancement	White Balance, Brightness, Contrast, Sharpness, Saturation, Automatic exposure, Backlight compensation (BLC), Digital Image Stabilizer (DIS, EIS)
Privacy Mask	Yes
Text Overlay	Yes
Built-in Analytics	Deep Learning : Face Recognition, Face Detection, People Detection, Vehicle Detection, Object Based Motion Detection, Tampering Detection, Object Line Crossing Detection, Object Area Counting, Intrusion Detection (Forbidden Area Detection), Missing Object Detection, Unattended Object Detection, Object Loitering Detection, People Flow Counting, People Density Counting, People Line Crossing Detection, People Enter Area Detection, People Incorrect Direction Detection, People Loitering Detection, Vehicle Flow Counting, Vehicle Density Counting, Vehicle Line Crossing Detection, Vehicle Enter Area Detection, Vehicle Incorrect Direction Detection, Vehicle Loitering Detection, Stopped vehicle detection, License Plate Detection, Automatic License Plate Recognition

Analytics

Deep Learning AI	2.0
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Audio

Audio Type	2-way, Line-in, Line-out
Audio Compression	G.711, G.726, AAC, LPCM

Network

Network Protocol & Service	IPv4, IPv6, TCP, UDP, DHCP, PPPoE, HTTP, HTTPS, DNS, DDNS, NTP, RTP, RTSP, RTMP, SMTP, FTP, IGMP, ICMP, ARP, SRTP, UPnP, QoS, SNMP, IEEE 802.1X
Ethernet Port	1 x Ethernet (10/100/1000 Base-T), RJ-45 connector
Security	IP address filtering, HTTPS encryption, Password protected user level, IEEE 802.1X network access control, Support Trusted Platform Module 2.0 (TPM 2.0)

Detection Range

Observation Range	Detection: 86m-340m Observation: 34.7m-1371m Recognition: 17.2m-680m Identification: 8.6m-340m
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Event

Event Trigger	Video motion detection (4 regions), External device through digital input, Sound detection, Intelligent event detection
Event Response	E-mail notification with snapshots, Save video to storage, Upload snapshot to FTP server, Activate external device through digital output

System

Watchdog	Support
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Integration

Edge Recording	Support (integration with NVR by ONVIF Profile G or proprietary protocol)
ONVIF Compliant	Yes, Profile G, Profile T, Profile M
Web Browser	Microsoft Edge(IE mode), Microsoft Edge, Google Chrome, Firefox




Interface











Serial Port	1 x RS-485
Audio Interface	1/1, 3.5mm Phone Jack
Digital Input/Output	2/2 (Terminal block)

General







Power Source	DC 12V, AC 24V, PoE Class 0 (IEEE802.3af)
Power Consumption	7.53 W (DC), 6.82 W (AC), 8.28 W (PoE)
Weight	520g(1.15lb)
Dimensions	(W x H x D): 82.6mm x 60mm x 116mm (3.25" x 2.36" x 4.57")
Operating Temperature	-30°C ~ 60°C (-22°F ~ 140°F)
Operating Humidity	10% - 90% RH, non-condensing
Approvals	CE Class B, FCC Class B
Color	White
Material	Camera body: Metal Housing
Warranty	3 Year(s). For extended warranty offering, see http://www.acti.com/support/warranty

▶ Related Products**Enclosures - Box Camera Housing**


PMAX-0200		Outdoor Housing with Heater and Fan (110V)
PMAX-0201		Outdoor Housing with Heater and Fan (220V)
PMAX-0202		Outdoor Housing

PMAX-0203		Heavy Duty Outdoor Housing with Heater and Fan (230V) and Bracket
PMAX-0204		Heavy Duty Outdoor Housing with Heater and Fan (110V) and Bracket
PMAX-0206		PoE Heavy Duty Outdoor Housing with Heater, Fan, Defogger and Bracket
PMAX-0208		Explosion Proof Housing with Heater, Fan (AC 110V~220V) and Bracket
PMAX-0210		Stainless Steel Housing with Heater, Fan (AC 110V~220V) and Bracket
PMAX-0228		PoE Explosion Proof Housing with Heater, Fan and Bracket
PMAX-0233		PoE Explosion Proof Housing with Heater and Fan
PMAX-0234		POE Stainless Steel Housing with Heater, IR and Fan (for A2x, B2x, E2x)
PMAX-0235		PoE Explosion Proof Housing with Heater and Fan (for E2X, B2X, A2X)
PMAX-0236		POE Stainless Steel Housing with Heater and Fan (for E2X, B2X, A2X)

Enclosures - PTZ & Positioning Housing

PMAX-0221		POE Explosion-proof Stainless Steel SUS316 Positioning Housing, with Heater, Fan and IR
PMAX-0222		POE Explosion-proof Stainless Steel SUS316 Positioning Housing, with Fan and Heater
PMAX-0239		Explosion Proof Positioning Housing, with Fan, Heater and wiper (for E2X, B2X, A2X)
PMAX-0240		
PMAX-0241		
PMAX-0242		

Power Supply Accessories - Power Adapter

PPBX-0011		Power Adapter AC 100~240V, with universal connectors for all DC12V powered devices
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