

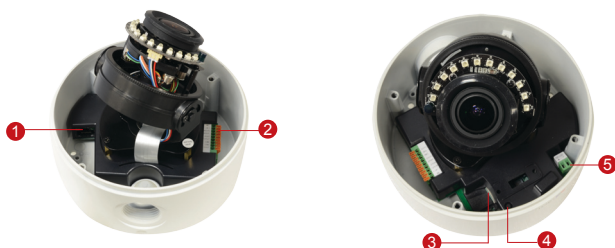
A81

**3MP Outdoor Zoom Dome with D/N,
Adaptive IR, Extreme WDR, SLLS, 4.3x Zoom Lens**



- 3 Megapixel with 1080p
- Day & Night with Superior Low Light Sensitivity and Adaptive IR LED
- 4.3x Zoom Lens with f2.8-12mm / F1.4-2.8, P-Iris, Auto Focus (for installation)
- Extreme WDR (142 dB)
- 30 fps at 2048 x 1536
- Weatherproof (IP66) and Vandal Proof (IK10)

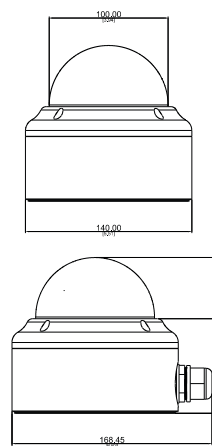
PHOTO INDICATION



- ① Ethernet Port
- ② Digital Input / Output
- ③ Memory Card Slot

- ④ Reset Button
- ⑤ DC 12V Power Input

DIMENSION DIAGRAM



Unit: mm [inch]

ACCESSORY OPTIONS

Power Supply		
PPOE-0001		IEEE 802.3af PoE Injector for Class 1, 2 or 3 devices, with universal adapter
PPBX-0002		AC 100-240V to DC 12V power adapter with universal connector

Popular Mounting Solutions		
Surface	Accessories not required	
Wall	PMAX-0333	
Pendant	PMAX-0113	

PRODUCT SPECIFICATION

A81

• Device

Device Type	Outdoor Zoom Dome Camera
Image Sensor	Progressive Scan CMOS
Sensor Size	1/2.8"
Effective Pixels	2048 (H) x 1536 (V) (3.15 MP)
Horizontal Resolution	1280 TVL
Day / Night	Yes
Low Light Sensitivity	Superior
Minimum Illumination	Color: 0.01 lux at F1.4 (30 IRE, 2400°K); B/W: 0 lux (IR LED on)
Mechanical IR Cut Filter	Yes
IR Sensitivity Range	700 - 1150nm
IR LED	Adaptive IR LED x 12 (850nm)
IR Working Distance	30 m (0 lux, 30 IRE, Gain 255, Auto shutter mode)
Electronic Shutter	1/5 ~ 1/8000 sec (manual mode)
S/N Ratio	56 dB

• Lens

Focal Length / Aperture	Zoom, f2.8 - 12mm / F1.4 - 2.8
Zoom Ratio / Speed	4.3x optical / 1 sec (wide to tele)
Zoom Application	Camera Installation;
Iris	P-iris
Focus	Auto focus
Lens Mount	Board mount
Horizontal Viewing Angle	90.6°~32.7°
Viewing Angle Adjustment	Pan: -135°~135°; Tilt: 0°~90°; Rotation: -90°~90°

• Video

Compression	H.265, H.264 (Baseline/ Main/ High profile), MJPEG
Max. Frame Rate vs. Resolution	30 fps at 2048 x 1536; 30 fps at 1920 x 1080; 30 fps at 1280 x 720; 30 fps at 800 x 600; 30 fps at 640 x 480; 30 fps at 320 x 240
Multi-Streaming	Simultaneous dual streams based on two configurations
Bit Rate	28 Kbps - 12 Mbps (per stream)
Bit Rate Mode	Constant, Variable
Privacy Mask	4 Configurable regions
Image Enhancement	Extreme WDR (142 dB); White balance: automatic, manual; Brightness; Digital image stabilizer Contrast; Sharpness (auto); Auto gain control; 2D + 3D digital noise reduction; Defogging
Text Overlay	User defined text on video
Built-in Analytics	Tamper
Image Orientation	Mirror, Flip, Rotation

• Audio

Compression	8kHz, Mono, PCM, 16 bit encoding, G.711
Audio-In	Mic in, Line in, Terminal block
Audio-Out	Line out, Terminal block

• Network

Protocol & Service	IPv4, IPv6, TCP, UDP, HTTP, HTTPS, SMTP, FTP, NTP, DNS, DDNS, DHCP, ARP, Bonjour, UPnP, RTSP, RTP, RTCP, IGMP, PPPoE, ICMP, SNMP, QoS
Ethernet Port	1, Ethernet (10/100 Base-T), RJ-45 connector
Security	IP address filtering; HTTPs encryption; Password protected user levels; Anonymous login

• Alarm

Alarm Trigger	Camera tampering; Video motion detection (3 regions); External device through digital input; Sound detection
Alarm Response	Notify control center; Change camera settings; Command other devices; E-mail notification with snapshots; Save video to local storage; Upload video or snapshot to FTP server; Activate external device through digital output

• Interface

Digital Input	1, Terminal block
Digital Output	1, Terminal block
Local Storage	MicroSDHC/SDXC memory card slot (card not included)

• General

Power Source / Consumption	PoE Class3; DC12V / 10W; 8W
Weight	880g (1.94lb)
Dimensions (Ø x H)	139.95 x 131.17mm (5.5" x 5.2")
Environmental Casing	Weatherproof (IP66 rated); Vandal proof (IK10); Transparent dome cover
Mount Type	Surface, Pendant, Wall
Starting Temperature	-20°C ~ 50°C (-4°F ~ 122°F) within 30 minutes
Operating Temperature	-40°C ~ 50°C (-40°F ~ 122°F)
Operating Humidity	20% ~ 80% RH
Approvals	CE (EN 55022 Class A, EN 55024), FCC (Part15 Subpart B Class A), IP66, IK10, NEMA 4X

• Integration

Unified Solution	Fully compatible with ACTi software
ISV Integration	Software Development Kit (SDK) available; ONVIF compliant
GPS Position	Manual setting
Firmware Access Browser	Microsoft Internet Explorer 8.0 or newer (full functionality) Safari with QuickTime installed, and other browsers with VLC installed (partial functionality)

* All specifications are subject to change without notice.

* All brand names and registered trademarks are the property of their respective owners.

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