

# A81

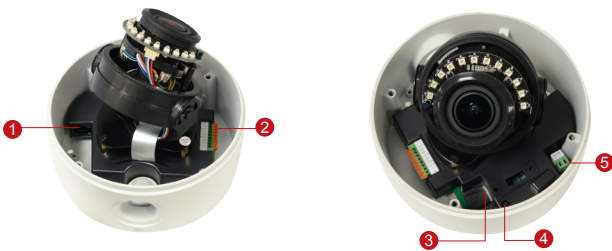
## 3MP Outdoor Zoom Dome with D/N, Adaptive IR, Extreme WDR, SLLS, 4.3x Zoom



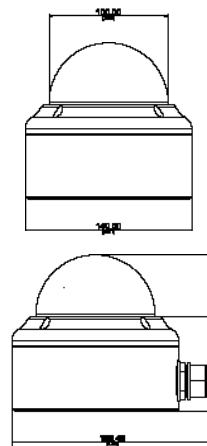
- 3 Megapixel with 1080p
- Day & Night with Superior Low Light Sensitivity and Adaptive IR LED
- 4.3x Zoom Lens with f2.8-12mm / F1.4-2.8, P-Iris, Auto Focus (for installation)
- Extreme WDR (130 dB)
- 30 fps at 2048 x 1536
- Weatherproof (IP66) and Vandal Proof (IK10)

### PHOTO INDICATION

### DIMENSION DIAGRAM



- 1 Ethernet Port
- 2 Digital Input / Output
- 3 Memory Card Slot
- 4 Reset Button
- 5 DC 12V Power Input



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	88°-25°
Viewing Angle Adjustment	Pan: 0°-270°; Tilt: 0°-90°; Rotation: 0°-90°

## • Video

Compression	H.265, H.264 (Baseline/ Main/ High profile), MJPEG
Max. Frame Rate vs. Resolution	30fps at 2048 x 1536; 30 fps at 1920 x 1080; 30 fps at 1280 x 960; 30 fps at 1280 x 720; 30 fps at 640 x 480; 30 fps at 640 x 360; 30 fps at 320 x 240; 30 fps at 320 x 180
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 (130 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	Terminal block
Audio-Out	Terminal block

## • Network

Protocol & Service	IPv4, IPv6, TCP, UDP, HTTP, HTTPS, SMTP, FTP, NTP, DNS, DDNS, DHCP, DIPS, 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; IEEE802.1X network access control

## • Alarm

Alarm Trigger	**Camera tampering; Video motion detection (3 regions); **External device through digital input; Sound detection
Alarm Response	**Command other devices; **E-mail notification; **Save video or snapshot 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	-20°C ~ 50°C (-4°F ~ 122°F)
Operating Humidity	20% ~ 80% RH
Approvals	CE (EN 55022 Class A, EN 55024), FCC (Part15 Subpart B Class A), IP66, IK10

## • Integration

Unified Solution	Fully compatible with ACTi software
Firmware Access Browser	Microsoft Internet Explorer 8.0 or newer (full functionality) Safari with QuickTime installed, and other browsers with VLC installed (partial functionality)

\*\* Functionalities will be available in a future firmware update

\* All specifications are subject to change without notice.

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