

# Q84

## 20MP (4x5MP) Deep Learning AI LightGuard 5x Outdoor 4-Sensor 360° Dome with IR LED 50m, WDR 130dB



- Four camera channels with single network IP address
- Built-in Analytics
- Event trigger, response and notification

### ► Specifications

#### Product Profile

Product Type	4-Sensor 360° Dome
Application Environment	Outdoor
Maximum Resolution	20MP
Image Sensor	Progressive Scan CMOS (5MP x4)
Sensor Size	1/2.7 "
Effective Pixels	2888(H) X 1628(V) x 4
Day / Night	Yes
Low Light Sensitivity	Superior
LightGuard	Yes
Minimum Illumination	Color: 0.002 lux at F1.2 (AGC on); B/W: 0 lux (IR LED on)
Mechanical IR Cut Filter	Yes
IR LED	Adaptive IR LED (850 nm)
IR Working Distance	50m
Electronic Shutter	1-1/100000 second (manual mode); 1-1/100000 second (auto mode)
S/N Ratio	75 dB

**Lens**

Number of Lenses	4 Lenses
Focal Length	Zoom, f2.7-13.5mm
Aperture	F1.2
Zoom Ratio	5x optical zoom
Zoom Application	Camera Installation
Horizontal Viewing Angle	110.3° - 31°
Vertical Viewing Angle	57.1° - 17.5°
Viewing Angle Adjustment	Pan: 0°-360°, Tilt: 0°-65°, Rotation: 0°-355°

**Video**

Compression	H.265 Adaptive Stream (equivalent to Zip or Smart Stream or H.265+), H.264 Adaptive Stream (equivalent to Zip or Smart Stream or H.264+), MJPEG
Maximum Frame Rate vs. Resolution	30 fps at 2880 x 1620 30 fps at 2688 x 1520 30 fps at 2560 x 1440 30 fps at 2304 x 1296 30 fps at 1920 x 1080 30 fps at 1280 x 720 30 fps at 720 x 576 30 fps at 640 x 360 30 fps at 704 x 288 30 fps at 352 x 288
View Mode	Four Channels
Multi-Streaming	Simultaneous triple streams
Digital Noise Reduction	2D + 3D DNR
Wide Dynamic Range	Extreme WDR (130 dB)
Image Orientation	Mirror, Mirror, Rotation (Corridor mode)(±90°, 180°)
Image Enhancement	White Balance, Brightness, Contrast, Saturation, Sharpness, Defogging
Privacy Mask	Yes, 8 configurable regions (per channel), supports up to 4 channels
Text Overlay	Yes
Built-in Analytics	Smart Motion Detection (People Detection, Vehicle Detection), Smart Intrusion Protection (, People Line Crossing Detection, People Intrusion Detection, People Enter Area Detection, People Exit Area Detection, Vehicle Line Crossing Detection, Vehicle Intrusion Detection, Vehicle Enter Area Detection, Vehicle Exit Area Detection), Tampering Detection, People Counting, Crowd Detection

**Analytics**

Deep Learning AI	2.0
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**Audio**

Audio Type	2-way, Built-in Microphone, Line-in, Line-out
Audio Compression	G.711 u-law, G.711 A-law

**Network**

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

**Detection Range**

Observation Range	Detection: 70.9m-247.5m Observation: 28.4m-99.0m Recognition: 14.2m-49.5m Identification: 7.1m-24.8m
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**Event**

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

**Integration**

ONVIF Compliant	Yes, Profile S, Profile G, Profile T, Profile M
Web Browser	IE 11, Google Chrome, Microsoft Edge, Firefox

**Interface**

Digital Input/Output	3/2
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**General**

Power Source	DC 24V, AC 24V, PoE Type 3 Class 6 (IEEE802.3bt)
Power Consumption	31 W (PoE)
Weight	4770g (10.52lb)
Dimensions	(Ø x H): 318mm x 136.6mm (12.52" x 5.38")
Environmental Casing	Weatherproof (IP67), Vandal proof metal casing (IK10)
Corrosion Protection	Optional for project request. Chassis corrosion resistance at the seashore approximately 2-3 years.
Operating Temperature	-30°C ~ 60°C (-22°F ~ 140°F)
Operating Humidity	5% - 95% RH, non-condensing
Surge Protection	6KV
Approvals	CE Class A, FCC Class A, IP67, IK10 (metal casing)
Color	White
Real-time Clock (RTC)	Yes

**▶ Related Products****Mounting Accessories - Camera Mount**

PMAX-0115		Pendant Mount (for A950, A951, A952, A956, Z950, Z952)
PMAX-0116		Straight Tube, 200 mm (for Z950)
PMAX-0117		Straight Tube (for Z950, Z952)


PMAX-0351  Wall Mount (for Z953, Q84)

PMAX-0358  Parapet Wall Mount (for Z95X, Q84)

PMAX-0404  Corner Mount (for Z950, Z952)


PMAX-0513  Pole Mount (for Z950, Z952)

PMAX-0711  Junction box (for Z950, Z952)

PMAX-1407  Mount Kit (for Q84)

**Note:** Some mounting accessories may need additional accessories for installation. Please check [www.acti.com/mountingselector](http://www.acti.com/mountingselector) for more information.

### Power Supply Accessories - PoE Injector

PPOE-0201  High PoE Injector Single-port, IEEE 802.3bt Type 4, Gbps, 90W 4-Pairs POE indoor midspans, AC 100~240V, with universal connectors (for Z954, Q83)

PPOE-0202  High PoE injector 90Watt 10/100/1000M/Multi Gigabit PoE Injector (for A952, A956, Z953, Z954, Q83, Q84)