

# A810

## 5MP Deep Learning AI 5x Outdoor Zoom Dome with IR LED 15m, WDR 150dB



- 5 Megapixel, 5x, Zoom Dome
- Deep Learning AI
- IR LED 15m, Extreme WDR (150 dB)
- DORI (54-270 / 21.8-108.9 / 10.8-54 / 5.4-27m)
- Weatherproof (IP66), Vandal proof (IK10)

## Specifications

### Product Profile

Product Type	Zoom Dome
Application Environment	Outdoor
Maximum Resolution	5MP
Image Sensor	Progressive Scan CMOS
Sensor Size	1/2.7 "
Effective Pixels	2616(H) X 1964(V) (5.14 MP)
Day / Night	Yes
Low Light Sensitivity	Superior
Minimum Illumination	Color: 0.018 lux (30 IRE); B/W: 0 lux (IR LED on)
Mechanical IR Cut Filter	Yes
IR LED	Adaptive IR LED
IR Working Distance	15m
Electronic Shutter	1/5-1/64000 second (manual mode); 1/5-1/64000 second (auto mode)
S/N Ratio	75 dB

## Lens

Focal Length	Zoom, f2.7-13.5mm
Aperture	F1.4-F3.3
Zoom Ratio	5x optical zoom
Zoom Application	Camera Installation
Iris	Fixed iris
Focus	Auto focus
Horizontal Viewing Angle	101.1° - 30.4°
Vertical Viewing Angle	72.3° - 22.7°

## Video

Compression	H.265, H.264, MJPEG
Maximum Frame Rate vs. Resolution	30 fps at 2592 x 1944 30 fps 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 800 x 600 30 fps at 720 x 480 30 fps at 640 x 480 30 fps at 480 x 360 30 fps at 360 x 270
Multi-Streaming	Simultaneous triple streams based on configurations of video resolution, compression format, and frame rate
Digital Noise Reduction	2D + 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, Saturation, Backlight compensation (BLC), Strong Light Suppression, Exposure (Auto/Manual), Digital Image Stabilizer (DIS, EIS)
Privacy Mask	4 configurable regions
Text Overlay	Yes
Built-in Analytics	Deep Learning : Face Detection, People Detection, Vehicle Detection, Tampering Detection, People Line Crossing Detection, People Enter Area Detection, People Exit Area Detection, People Loitering Detection

## Analytics

Deep Learning AI	1.0
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## Audio

Audio Type	2-way, Line-in, Line-out
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## Network

Ethernet Port	1 x Ethernet (10/100 Base-T), RJ-45 connector
Security	IP address filtering, HTTPS encryption, Password protected user level, Anonymous login, IEEE 802.1X network access control

## Detection Range

Observation Range	Detection: 54m-270m Observation: 21.8m-108.9m Recognition: 10.8m-54m Identification: 5.4m-27m
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## Event

Event Trigger	Video motion detection (3 regions) External device through digital input Sound detection Intelligent event detection Video streams loss
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## Event Response

Notify control center, Change camera settings, Command other devices, E-mail notification with snapshots, Play the audio file, Push notification to mobile device, Save video to storage, Upload video to NVR server, Upload video or snapshot to FTP server, Activate external device through digital output

**System**

## System Monitor

CPU loading, memory usage and network statistics via API

## Watchdog

Support

**Integration**

## ONVIF Compliant

Profile S, Profile G, Profile Q, Profile T, Profile M

## Web Browser

IE 11, Google Chrome, Microsoft Edge, Apple Safari

## Auto Firmware Upgrade

Yes

**Interface**

## Digital Input/Output

1/1 (Terminal block)

## Operating Button

No

**General**

## Power Source

DC 12V, PoE Class 3 (IEEE802.3af)

## Power Consumption

12.95 W (PoE)

## Environmental Casing

Weatherproof (IP66), Vandal proof (IK10)

## Corrosion Protection

Optional for project request. Chassis corrosion resistance at the seashore approximately 3 years.

## Starting Temperature

-20°C ~ 50°C (-4°F ~ 122°F)

## Operating Temperature

-30°C ~ 50°C (-22°F ~ 122°F)

## Operating Humidity

10% - 85% RH, non-condensing

## Real-time Clock (RTC)

Yes

## Warranty

3 Year(s). For extended warranty offering, see <http://www.acti.com/support/warranty>

\* Edge Recording function is integrated with NVR 3 Corporate / NVR 3 Business / INR / GNR series.

## Related Products

**Mounting Accessories - Camera Mount**

PMAX-0102



Straight Tube

PMAX-0103



Straight Tube with Bracket

PMAX-0104



Extension Tube

PMAX-0113



Pendant Mount (for A8x, except A88)

PMAX-0127



Mount Kit (for Z83, Z84, Z810, A811, A818)

PMAX-0357



Wall Mount (for A826)

PMAX-0810



Mount Kit and Converter Ring, 1.5" NPT for Third-Party Mounting Accessories (for A8x, except A88)

PMAX-0813



Gang Box Converter (for A8x, except A88), supports Two-Gang Boxes

PMAX-1027



Flush Mount (for A61, A62, A8x, except A88)

PMAX-1405



Mount Kit (for A826)

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