

Z731

6MP Deep Learning AI f1.6mm Outdoor Hemispheric Dome with IR LED 20m, WDR 135dB



- 6 Megapixel, f1.6mm, Hemispheric Dome
- Deep Learning AI
- IR LED 20m, Extreme WDR (135 dB)
- Color Min. Illumination 0.003 lux
- Smart Motion Detection
- Counting
- DORI (36.0 / 14.4 / 7.2 / 3.6m)
- Weatherproof (IP67), Vandal proof (IK10)

► Specifications

Product Profile

Product Type	Hemispheric Dome
Application Environment	Outdoor
Maximum Resolution	6MP
Image Sensor	Progressive Scan CMOS
Sensor Size	1/2.5 "
Effective Pixels	2564(H) X 2564(V)
Day / Night	Yes
Low Light Sensitivity	Extreme
Minimum Illumination	Color: 0.003 lux at F2.0 (AGC on); B/W: 0 lux (IR LED on)
Mechanical IR Cut Filter	Yes
IR LED	Adaptive IR LED (850 nm)
IR Working Distance	20m
Electronic Shutter	1-1/100000 second (manual mode); 1-1/100000 second (auto mode)
S/N Ratio	75 dB

Lens

Focal Length	Fixed focal, f1.6mm
--------------	---------------------

Aperture	F2.0
Iris	Fixed iris
Focus	Fixed focus
Horizontal Viewing Angle	180°
Vertical Viewing Angle	180°

Video

Compression	H.265 Adaptive Stream (equivalent to Zip or Smart Stream or H.265+), H.265, H.264 Adaptive Stream (equivalent to Zip or Smart Stream or H.264+), H.264, MJPEG
Smart ROI	Yes, supports up to 8 configurable regions per supported stream
Maximum Frame Rate vs. Resolution	(Fisheye View) 30 fps at 2560 x 2560 (7MP) 30 fps at 2048 x 2048 (4MP) 30 fps at 1440 x 1440 (2MP) 30 fps at 720 x 576 (<1 MP) 30 fps at 352 x 288 (<1 MP) (Dewarped View) 30 fps at 2560 x 2560 (7MP) 30 fps at 2048 x 2048 (4MP) 30 fps at 1440 x 1440 (2MP) (ePTZ View) 30 fps at 1920 x 1080 (2MP)
View Mode	Fisheye View Dewarped View ePTZ View
Bit Rate	128Kbps - 16Mbps
Multi-Streaming	3 streams
Digital Noise Reduction	2D + 3D DNR
Wide Dynamic Range	Extreme WDR (135 dB)
Image Enhancement	White Balance, Brightness, Contrast, Sharpness, Saturation, Automatic gain control (AGC), Backlight compensation (BLC), Highlight compensation (HLC), Digital Image Stabilizer (DIS, EIS), Defogging
Privacy Mask	4 configurable regions
Text Overlay	Yes
Built-in Analytics	Smart Motion Detection (People Detection, Vehicle Detection), People Line Crossing Detection, People Intrusion Detection, Vehicle Line Crossing Detection, Vehicle Intrusion Detection, Tampering Detection, People Flow Counting, People Density Counting

Analytics

Deep Learning AI	1.0
------------------	-----

Audio

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

Network

Network Protocol & Service	IPv4, IPv6, TCP, UDP, DHCP, PPPoE, HTTP, HTTPS, DNS, DDNS, NTP, RTP, RTCP, RTSP, RTMP, FTP, SMTP, IGMP, ICMP, ARP, SNMP, QoS, SSL/TLS, Digest Authentication, IEEE 802.1X, NFS
Ethernet Port	1 x Ethernet (10/100 Base-T), RJ-45 connector
Security	IP address filtering, HTTPS encryption, TLS v1.2 encrypted communication, Digest Authentication (HTTP/RTSP/ONVIF(WSS)), Password protected user level, Password Strength Indicator, IEEE 802.1X network access control

Detection Range

Observation Range	Detection: 36.0m Observation: 14.4m Recognition: 7.2m Identification: 3.6m
-------------------	--

Event

Event Trigger	Video motion detection, External device through digital input, Tampering detection, Sound detection
Event Response	Send E-mail Notification, Save video or snapshot to storage, Save video to NAS storage via NFS, Upload video or snapshot to FTP server, Activate external device through digital output

System

Language	Multi-Language
----------	----------------

Integration

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

Interface

Audio Interface	Built-in microphone x2, Built-in Speaker
Digital Input/Output	1/1
Operating Button	Reset Button

General

Power Source	DC 12V, PoE (IEEE802.3af)
Power Consumption	8.4 W (DC), 8.4 W (PoE)
Weight	440g(0.97lb)
Dimensions	(Ø x H): 126mm x 52mm (5.0" x 2.0")
Environmental Casing	Weatherproof (IP67), Vandal proof (IK10)
Corrosion Protection	Optional for project request. Chassis corrosion resistance at the seashore approximately 3 years.
Operating Temperature	-30°C ~ 60°C (-22°F ~ 140°F)
Operating Humidity	≤95% RH, non-condensing
Surge Protection	4KV
Approvals	CE, FCC, IP67, IK10
Material	Metal Plastic
Real-time Clock (RTC)	Yes
Warranty	3 Year(s). For extended warranty offering, see http://www.acti.com/support/warranty

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

PMAX-0128		Pendant Mount (for Z5x, Z724, Z85, Z86, Z87, Z810, Z972, Q550)
PMAX-0134		Extension Tube, 200 mm (for Z5x, Z724, Z85, Z86, Z87, Z810, Z972, Q550)

PMA-0736



Junction Box (for Z724, Z81, Z82, Z85, Z86, Z87, Z812, Z813, Z814, Z914, Z972, Q550)

Note: Some mounting accessories may need additional accessories for installation. Please check www.acti.com/mountingselector for more information.

Power Supply Accessories - Power Adapter

PPBX-0013



Power Adapter AC 100~240V (EU), for A3x, A4x, A88, A9x, Z31, Z8x, Z9x

PPBX-0014



Power Adapter AC 100~240V (UK), for A3x, A4x, A88, A9x, Z31, Z8x, Z9x

PPBX-0026



Power Adapter AC 100~240V (US), for A3x, A4x, A7x, A88, A9x, Z3x, Z4x, Z7x, Z8x, Z9x

PPBX-0034



Power Adapter AC 100~240V (US) for A3x, A4x, A7x, A88, A9x, Z3x, Z4x, Z7x, Z8x, Z9x, Q550

Power Supply Accessories - PoE Injector

PPOE-0107



High PoE Injector IEEE 802.3at compliant, AC 100~240V, with universal connectors (for A416, A418, B913, B923, B934, Q450, Q75, VMGB-60X, Z37, Z71, Z952)

Network & Storage Peripherals - Data Switch

PPSW-0102



PLANET FGSD-1011HP 8-Port 802.3at PoE Switch (PoE Budget 120W)

PPSW-0108



8-Port Gigabit 802.3at Managed PoE Switch (PoE Budget 120W)

PPSW-0109



8-Port 802.3at Smart Managed PoE Switch (PoE Budget 120W)

PPSW-1101



PLANET GS-4210-24PL4C 24-Port Gigabit 802.3at Managed PoE Switch (PoE Budget 440W)

PPSW-1107



24-port 10/100/1000Mbps PoE, Smart Managed Gigabit Ethernet PoE Switch

PPSW-2105



4-Port 802.3at Smart Managed Gigabit PoE Switch

PPSW-3101



16-Port Gigabit 802.3at Managed PoE Switch (PoE Budget 240W)

PPSW-3103



16-Port 802.3at PoE Switch (PoE Budget 250W)

PPSW-3104



16-Port 802.3at Smart Managed PoE Switch (PoE Budget 250W)

PPSW-3402



16-Port 10/100/1000T 802.3bt PoE + 8-Port 10/100/1000T + 4-Port 10G SFP+ Managed Ethernet Switch

PPSW-4205



24-Port 10/100/1000T 802.3at PoE + 2-Port 100/1000X SFP Managed Switch (PoE Budget 300W)