B934

2MP 30x Indoor PTZ with WDR 145dB



- 2 Megapixel, 30x, PTZ
- Extreme WDR (145 dB)
- Color Min. Illumination 0.002 lux
- Frame Rate 60fps
- 360° endless

Specifications

Product Profile

Product Type	PTZ
Application Environment	Indoor
Maximum Resolution	2MP
Image Sensor	Progressive Scan CMOS
Sensor Size	1/2.8 "
Effective Pixels	1945(H) X 1097(V) (2.13 MP)
Day / Night	Yes
Low Light Sensitivity	Superior
Minimum Illumination	Color: 0.002 lux at F1.6 (30 IRE); B/W: 0.001 lux (IR LED on)
Mechanical IR Cut Filter	Yes
IR Sensitivity Range	700-1100nm
Color to B/W Switch	ISP based switch, configurable
Electronic Shutter	1/5-1/32000 second (manual mode); 1/5-1/32000 second (auto mode)
Horizontal Resolution (TV Lines)	1450 TVL
S/N Ratio	75 dB

Lens

Focal Length	Zoom, f4.5-135mm
Aperture	F1.6-F4.4
Zoom Ratio	30x optical zoom, 16x digital zoom
Zoom Speed	2.4 second (wide to tele)
Zoom Application	Camera Installation, Auto Zoom by Event, Manual Operation
Iris	DC iris
Focus	Auto focus
Lens Mount	Board mount
Horizontal Viewing Angle	62.4° - 3.5°
Vertical Viewing Angle	37.6° - 2°

PTZ

Scan Panning / Tilting Speed	0.16° - 32°/second, 0.16° - 16°/second
Manual Panning / Tilting Speed	0.16° - 54.4°/second, 0.16° - 27.2°/second
Preset Panning / Tilting Speed	0.16° - 720°/second, 0.16° - 360°/second
Panning Range	360° endless
Tilting Range	0°~180°
PTZ Control	Remote manual control, Speed Control, Select box to PTZ, 256 preset points, 10 preset tours, Auto scan
Preset Accuracy (Panning/Tilting)	±0.265°/±0.265°
Absolute Position	Yes
Pan, Tilt or Zoom protocol	Visca, Pelco-D, Pelco-P, ACTi URL command

Video

Compression	H.264 (Baseline/ Main/ High profile), MJPEG
Maximum Frame Rate vs. Resolution	60 fps at 1920 x 1080 60 fps at 1280 x 720 30 fps at 640 x 480 30 fps at 320 x 240
High Frame Mode	Support
Bit Rate	128Kbps - 12Mbps
Bit Rate Mode	Constant, Variable
Multi-Streaming	Simultaneous triple streams
Digital Noise Reduction	2D + 3D DNR
Wide Dynamic Range	Extreme WDR (145 dB)
Image Orientation	Mirror, Flip
Image Enhancement	White Balance, Brightness, Contrast, Sharpness, Automatic gain control (AGC), Flickerless, Digital Image Stabilizer (DIS, EIS), Defogging
Privacy Mask	20 configurable 3D privacy masks
Text Overlay	Yes

Built-in Analytics	Basic Face Detection, Object Based Motion Detection, Tampering Detection, Shock Detection, PTZ Auto Tracking, Object Line Crossing Detection, Object Enter Area Detection, Missing Object Detection, Unattended Object Detection, Object Loitering Detection
Server-based Analytics	Object Line Counting, People Counting, Face Detection, Object Based Motion Detection, Tamper, Object Line Crossing Detection, Object Enter Area Detection, Missing Object Detection, Unattended Object Detection, Smoke Detection, Heat Map, Dwell Time, People Queue Detection, (Require PC-based or standalone IVS or ALPR Server. Contact ACTi support for recommendations on how to maximize analytical accuracy)
IVS performance	Certain algorithms may require more computing power, which may limit the number of algorithms that can be concurrently used in the camera. Please test the actual performance before using in a project.

Audio

Audio Type	2-way, Mic-in, Line-in, Line-out
Audio Compression	8 kHz, 16 bit encoding, Mono, PCM, G.711

Network

Network Protocol & Service	IPv4, IPv6, TCP, UDP, DHCP, PPPoE, HTTP, HTTPS, DNS, DDNS, NTP, RTP, RTSP, RTCP, SRTP, LLDP, SMTP, FTP, IGMP, ICMP, ARP, Bonjour, UPnP, QoS, SNMP, IEEE 802.1X
Ethernet Port	1 x RJ-45 connector
Security	IP address filtering, HTTPS encryption, SRTP encrypted video streaming, Password protected user level, Anonymous login, IEEE 802.1X network access control, Standard IoT Security (anti-hacking, anti-malware)

Video Analytics

Analysis Source Type	Video
Metadata Accuracy	Standard

Event

Event Trigger	Video motion detection (10 included and excluded polygonal regions), External device through digital input, Sound detection, Intelligent event detection, Video streams loss, System log buffer overrun, Remove system log, Logon events (Login Failure, Login Success, Block an Account)
Event Response	Notify control center, Go to PTZ preset point or preset tour, Change camera settings, Command other devices, E-mail notification with snapshots, Push notification to mobile device, Save video to storage, Upload video or snapshot to FTP server, Activate external device through digital output, Upload video to NVR server

System

System Monitor	CPU loading, memory usage and network statistics via API
System Log	Support
Watchdog	Support

Integration

Unified Solution	Fully compatible with ACTi software
Software Development Kit	Yes
GPS Position	Manual setting
Edge Recording	Support (integration with NVR by ONVIF Profile G or proprietary protocol)**

ONVIF Compliant	Profile S, Profile G, Profile T, Profile Q, Profile M* (To be available through future firmware upgrade)
GB28181 Compliant	Yes
Web Browser	IE 11, Google Chrome, Microsoft Edge, Apple Safari
Auto Firmware Upgrade	Yes

Interface

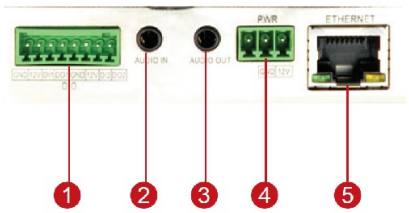
Audio Interface	1/1, 3.5mm Phone Jack
Digital Input/Output	2/2 (Terminal block)
Operating Button	Reset Button

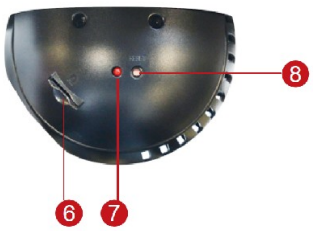
General

Power Source	DC 12V, High PoE (IEEE802.3at)
Power Consumption	10.8 W (DC), 25.5 W (PoE)
Weight	1574g (3.47lb)
Dimensions	(Ø x H): 150mm x 170mm (5.9" x 6.7")
Environmental Casing	Vandal resistant (IK09)
Explosion Protection	Optional Explosion-Proof Enclosure
Bundled Accessories	Surface mount, Power Adapter
Mount Type	Surface, Gang Box, Pendant, Converter for NPT Standard Mounts, Flush, Wall Mount, Pole Mount, Corner Mount
Starting Temperature	-10°C ~ 50°C (14°F ~ 122°F) within 30 minutes
Operating Temperature	-20°C ~ 50°C (-4°F ~ 122°F)
Operating Humidity	10% - 85% RH, non-condensing
Approvals	Camera: CE Class B, FCC Class B, IK09, Adapter: CE, FCC, UL, PSE, Efficiency Level V
Real-time Clock (RTC)	Yes
Warranty	3 Year(s) (1 year in continuous motion). 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.

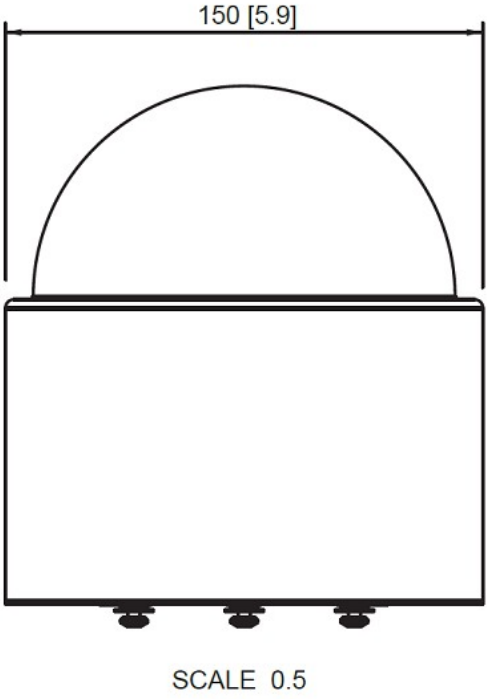
Photo Indication

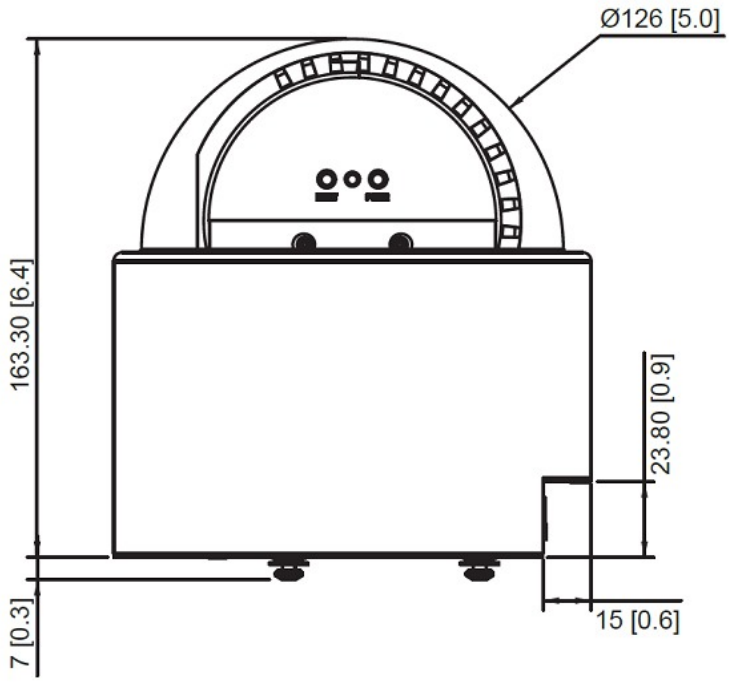




1. Digital Input/Output
2. Audio-In
3. Audio-Out
4. DC 12V Power Input
5. Ethernet Port
6. Memory Card Slot
7. Reset Button
8. Power LED

Dimension Diagram





Unit: mm [inch]

Related Products

Mounting Accessories - Camera Mount

PMAX-0102		Straight Tube
PMAX-0103		Straight Tube with Bracket
PMAX-0104		Extension Tube
PMAX-0110		Mount Kit (for I91, I92, KCM-8111)
PMAX-0302		Gooseneck with Bracket
PMAX-0303		Gooseneck
PMAX-0305		Heavy Duty Wall Mount
PMAX-0311		L-Type Wall Mount (for I91, I92, KCM-8111)
PMAX-0402		Corner Mount
PMAX-0503		Pole Mount (for PMAX-0102, PMAX-0312, PMAX-0313, PMAX-0314, PMAX-0702, PMAX-1106, PMAX-1107), supports 5.25" to 8.5" Poles
PMAX-0702		Junction Box for PTZ and Dome Cameras
PMAX-0807		Gangbox Converter (for PMAX-0102, PMAX-0312, PMAX-0313, PMAX-0314, PMAX-0321), supports Two-Gang Boxes
PMAX-0808		Converter Ring, 1.5" NPT for Third-Party Mounting Accessories
PMAX-1010		Flush Mount Kit (for I91, I92, KCM-8111)

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

Enclosures - PTZ & Positioning Housing

PMAX-0237		POE PTZ Explosion Proof Housing with Ceiling mounted Bracket (for B913, B923, B934)
PMAX-0238		POE PTZ Stainless Steel Housing with Wall mounted Bracket (for B913, B923, B934)

Dome Covers - Smoked Dome Cover

PDCX-1105		Smoked Dome Cover for I91, I92, I912, B913, B923, B934, KCM-8111

Power Supply Accessories - Power Adapter

PPBX-0011		Power Adapter AC 100~240V, with universal connectors for all DC12V powered devices

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-0105		PLANET GS-4210-8P2C 8-Port Gigabit 802.3at Managed 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-3100		PLANET FGSW-1816HPS 16-Port 802.3at PoE Switch (PoE Budget 220W)
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)

Extenders - PoE Extender

PPEX-0100		Veracity OUTREACH Max Power over Ethernet (PoE) Extender

Extenders - PoE over Coaxial Extender Kit

PPOC-0100		Planet LRP-101C-KIT Power over Coax Adapter Kit

Audio Devices - Microphone

PMIC-0100		Active Microphone Omnidirectional for all Cameras with Line-in Audio
PMIC-0200		Passive Microphone Omnidirectional for all Cameras with Mic-in Audio using 3.5mm Phone Jack

Illuminators - IR LED Illuminator

PLED-0200		SPINLUX (SL-A2IRXX10-24CL) IR Illuminator 10° Angle with 120 m approx. range
PLED-0201		SPINLUX (SL-A2IRXX25-24CL) IR Illuminator 25° Angle with 50 m approx. range