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2MP with D/N, Adaptive IR, Extreme WDR, SLLS, 33x Zoom Lens

- 2 Megapixel
- Day & Night with Superior Low Light Sensitivity and Adaptive IR LED
- 33x Zoom Lens with f4.5-148.5mm/F1.55-F5.0, DC iris, Auto focus
- Extreme WDR
- Endless Pan & Tilt
- PTZ Auto Tracking
- Overview, Zoom and Tracking (OZT)
- Built-in Analytics
- Event trigger, response and notification

Specifications

Device

Device					
Product Type	Speed Dome				
Maximum Resolution	2MP				
Application Environment	Outdoor				
Image Sensor	Progressive Scan CMOS				
Sensor Size	1/2.8 "				
Effective Pixels	1944(H) X 1224(V) (2.38 MP)				
Day / Night	Yes				
Low Light Sensitivity	Superior				
Minimum Illumination	Color: 0.05 lux at F1.55, B/W: 0 lux at F1.55 (IR LED on)				
Color to B/W Switch	ISP based switch, configurable				
Mechanical IR Cut Filter	Yes				
IR Sensitivity Range	700-1100nm				
IR LED	Adaptive IR LED x 8 (850 nm)				
IR Working Distance	160m				
Electronic Shutter	1/5-1/32000 second (manual mode); 1/5-1/32000 second (auto mode)				
Horizontal Resolution (TV Lines)	1800 TVL				

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PTZ Camera

S/N Ratio	56 dB				
Lens					
Focal Length	Zoom, f4.5-148.5mm				
Aperture	F1.55-F5.0				
Zoom Ratio	33x optical, 16x digital				
Zoom Speed	2.7 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	69.3° - 3°				
Vertical Viewing Angle	38° - 1.7°				
Overview, Zoom and Tracking (OZT) technology	Yes (Pair of intelligent speed dome camera with B511A, B59A, B74A and B76A hemispheric camera)				

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° - 300°/second, 0.16° - 150°/second					
Panning Range	360° endless					
Tilting Range	-20°~200°					
PTZ Control	Remote manual control, 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					
Multi-Streaming	Simultaneous triple streams based on three configurations					
Bit Rate	128Kbps - 12Mbps (per stream)					
Bit Rate Mode	Constant, Variable					
Wide Dynamic Range	Extreme WDR (145 dB)					
Image Enhancement	White Balance, Brightness, Contrast, Sharpness, Automatic gain control, Flickerless, Digital Image Stabilizer (DIS, EIS), Defogging					
Digital Noise Reduction	2D + 3D DNR					
Privacy Mask	20 configurable 3D privacy masks					
Text Overlay	Yes					
On-Screen Graphics	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, Direction Detection, Automatic License Plate Recognition, People Queue Detection, (Require PC-based or standalone IVS or ALPR Server. Contact ACTi support for recommendations on how to maximize analytical accuracy)					
Image Orientation	Flip, Mirror					
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, Line-in, Line-out					
Audio Compression	8 kHz, 16 bit encoding, Mono, PCM, G.711					
Network						
Network Protocol & Service	IPv4/v6, TCP, UDP, DHCP, PPPoE, HTTP, HTTPS, DNS, DDNS, NTP, RTP, RTSP, RTCP, SMTP, FTP, IGMP, ICMP, ARP, Bonjour, UPnP, QoS, SNMP, IEEE 802.1X					
Ethernet Port	1 x RJ-45 pigtail connector					
Security	IP address filtering, HTTPS encryption, Password protected user level, Anonymous login, IEEE 802.1X network access control					
Video Analytics						
Analysis Source Type	Video					
Metadata Accuracy	Standard					
Event						
Event Trigger	Video motion detection (10 included and excluded polygons regions), External device through digital input, Sound detection, Intelligent event detection,					
Event Response	Notify control center, Go to PTZ preset point or preset tour, Change camera settings, Command other devices, E-mail notification with snapshots, Play the audio file, Push notification to mobile device, Save video to local storage, Upload video to NVR server, Upload video or snapshot to FTP server, Activate external device through digital output					
Integration						
Unified Solution	Fully compatible with ACTi software					
Software Development Kit	Yes					
GPS Position	Manual setting					
ONVIF Compliant	Yes, Profile S, Profile Q					
GB28181 Compliant	Yes					
Web Browser	IE 11					
Auto Firmware Upgrade	Yes					
Interface						
Audio Interface	Cable with 3.5mm Phone Jack					

MicroSDHC, MicroSDXC memory card slot (card not included)

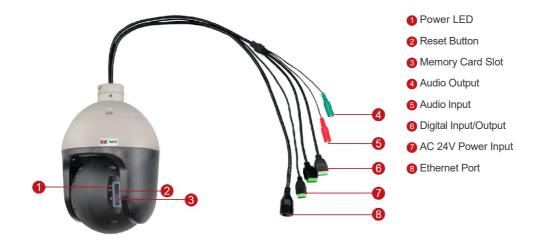
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Local Storage

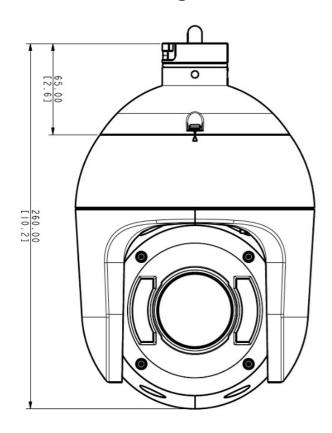
PTZ Camera

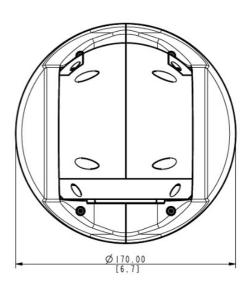
Digital Input/Output	4/2				
General					
Power Source	AC 24V, High PoE				
Power Consumption	50 W (PoE, heater, fan and IR on), 62 W (AC, heater, fan and IR on)				
Weight	3112g (6.86lb)				
Dimensions	(Ø x H): 170mm x 260mm (6.69" x 10.23")				
Environmental Casing	Weatherproof (IP66), Vandal proof metal casing (IK10), Built-in dehumidifier, Scratch-resistant and water-repellent lenglass				
Bundled Accessories	High PoE injector (for USA) or Power Adapter (for other countries)				
Mount Type	Gang Box, Pendant, Converter for NPT Standard Mounts, Wall Mount, Pole Mount, Corner Mount				
Fan	Yes				
Heater	Yes				
Dehumidifier	Yes				
Starting Temperature	-40°C ~ 55°C (-40°F ~ 131°F) within 30 minutes				
Operating Temperature	-40°C ~ 55°C (-40°F ~ 131°F)				
Operating Humidity	10% - 85% RH				
Approvals	CE, FCC, BIS, IP66, NEMA 4X, IK10 (metal casing), UL Listed (UL 60950-1)				
Warranty	3 Year(s) (1 year in continuous motion). For extended warranty offering, see http://www.acti.com/support/warranty				

Photo Indication



Dimension Diagram





Unit: mm [inch]

Related Products

Mounting Accessories - Camera Mount

PMAX-0102	1	Straight Tube
PMAX-0103	Î	Straight Tube with Bracket
PMAX-0104		Extension Tube
PMAX-0108	1	Straight Tube (for TCM-6630)
PMAX-0302	\bigcap_{j}	Gooseneck with Bracket
PMAX-0303	\bigcap_{i}	Gooseneck
PMAX-0312		PTZ Wall Mount for Outdoor PTZ / Speed Dome (except KCM-8211 & TCM-6630)
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-0505		Pole Mount (for B4x, B41x, E44, E45, E46, E48, E44A, E45A, E46A, E41x, I4x, PMAX-0312, PMAX-0313, PMAX-0314, PMAX-0330), supports 2" to 3" 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
Note: Compounding page 111		de delle de la constant de la consta

 $\textbf{Note} : Some \ mounting \ accessories \ may \ need \ additional \ accessories \ for \ installation. \ Please \ check \ \underline{www.acti.com/mountingselector} \ for \ more \ information.$

Power Supply Accessories - Power Adapter

PPBX-0008



Power Adapter AC 100~240V, with universal connectors for PLED-0203~PLED-0205

Power Supply Accessories - PoE Injector

PPOE-0103



High PoE Injector, Single-port, 60W Gigabit Midspan, 4-Pairs, 802.3at Compliant, AC 100~240V, with universal connectors (for, I93~I910, I915, B915~B917, B922, B928, B945, B949, A950)

Network & Storage Peripherals - Data Switch

PPSW-0100



PLANET FGSD-910HP 8-Port 802.3at PoE Switch (PoE Budget 120W)



PPSW-0101	·*************************************	PLANET GS-4210-8P2T2S 8-Port Gigabit 802.3at Managed PoE Switch (PoE Budget 240W)
PPSW-0102		PLANET FGSD-1011HP 8-Port 802.3at PoE Switch (PoE Budget 120W)
PPSW-1101		PLANET GS-4210-24PL4C 24-Port Gigabit 802.3at Managed PoE Switch (PoE Budget 440W)
PPSW-2101		4-Port 802.3at PoE Switch (PoE Budget 62W)
PPSW-3100	E	PLANET FGSW-1816HPS 16-Port 802.3at PoE Switch (PoE Budget 220W)

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	6	Active Microphone Omnidirectional for all Cameras with Line-in Audio
Illuminators - IR LED Illum	inato	r
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
PLED-0202	SPINLUX (SL-A2IRXX35-24CL) IR Illuminator 35° Angle with 25 m approx. range

PLED-0205	SPINLUX (SL-A2IRXX35-48CL) IR Illuminator 35° Angle with 40 m approx. range

SPINLUX (SL-A2IRXX25-48CL) IR Illuminator 25° Angle with 80 m approx. range

Installation Support - Camera Installation Kit

PMON-1001-010	\$ M	Camera Installation Kit for use with iOS Device with belt bag, battery and charger (US, AC 110~240V)
PMON-1001-011	5.11	Camera Installation Kit for use with iOS Device with belt bag, battery and charger (Europe, AC 110~240V)
PMON-2000		Camera Installation Kit

PLED-0204