

B43

5MP Zoom Bullet with D/N, Adaptive IR, Extreme WDR, SLLS, 30x Zoom Lens



- 5 Megapixel
- Day & Night with Superior Low Light Sensitivity and Adaptive IR LED
- 30x Zoom Lens with f4.5-135mm/F1.6-F4.4, DC iris, Auto focus
- Extreme WDR
- H.265 Compression
- Event trigger, response and notification

► Specifications

Device

Product Type	Zoom Bullet
Maximum Resolution	5MP
Application Environment	Outdoor
Image Sensor	Progressive Scan CMOS
Sensor Size	1/2.9 "
Effective Pixels	3096(H) X 2202(V) (6.82 MP)
Day / Night	Yes
Low Light Sensitivity	Superior
Minimum Illumination	Color: 0.1 lux at F1.6 (30 IRE, 2400 K); B/W: 0 lux at F1.6 (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 9 (850 nm)
IR Working Distance	30m
Electronic Shutter	1/5-1/64000 second (manual mode); 1/5-1/64000 second (auto mode)

Horizontal Resolution (TV Lines)	1750 TVL
S/N Ratio	56 dB

Lens

Focal Length	Zoom, f4.5-135mm
Aperture	F1.6-F4.4
Zoom Ratio	30x optical zoom
Zoom Application	Camera Installation, Auto Zoom by Event, Manual Operation
Iris	DC iris
Focus	Auto focus
Lens Mount	Board mount
Horizontal Viewing Angle	49.1° - 2.23°
Vertical Viewing Angle	37.9° - 1.67°

PTZ

Absolute Position	Yes
Pan, Tilt or Zoom protocol	Visca, Pelco-D, Pelco-P, ACTi URL command

Video

Compression	H.265, H.264 (Baseline/ Main/ High profile), 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 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 (120 dB)
Image Enhancement	White Balance, Brightness, Contrast, Saturation, Sharpness, Automatic gain control, Flickerless, Defogging
Digital Noise Reduction	2D + 3D DNR
Privacy Mask	32 configurable 3D privacy masks (To be available through future firmware upgrade)
Text Overlay	Yes
Built-in Analytics	Object Based Motion Detection, Tampering Detection, Shock Detection
Image Orientation	Flip, Mirror, Rotation (Corridor mode)

Audio

Audio Type	2-way, Built-in Microphone, Mic-in, Line-in, Line-out
------------	---

Network

Network Protocol & Service	IPv4/v6, TCP, UDP, DHCP, PPPoE, HTTP, HTTPS, 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
----------	--

Event

Event Trigger	Video motion detection (10 included and excluded polygons regions) External device through digital input Tampering detection, Shock Detection, Sound 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 Zoom preset point or preset tour, Change camera settings, Command other devices, E-mail notification with snapshots, Push notification to mobile device, Save video to local storage, Upload video to NVR server, Activate external device through digital output

System

System Log	Support
------------	---------

Integration

Unified Solution	Fully compatible with ACTi cameras
GPS Position	Manual setting
ONVIF Compliant	Yes, Profile S, Profile G, Profile T, Profile Q
GB28181 Compliant	Yes
Web Browser	IE 11, Google Chrome*, Microsoft Edge*, Apple Safari*
Auto Firmware Upgrade	Yes

Interface

Local Storage	MicroSDHC, MicroSDXC Memory Card Slot (card not included, up to 256GB)
Digital Input/Output	1/1
Operating Button	Reset Button

General

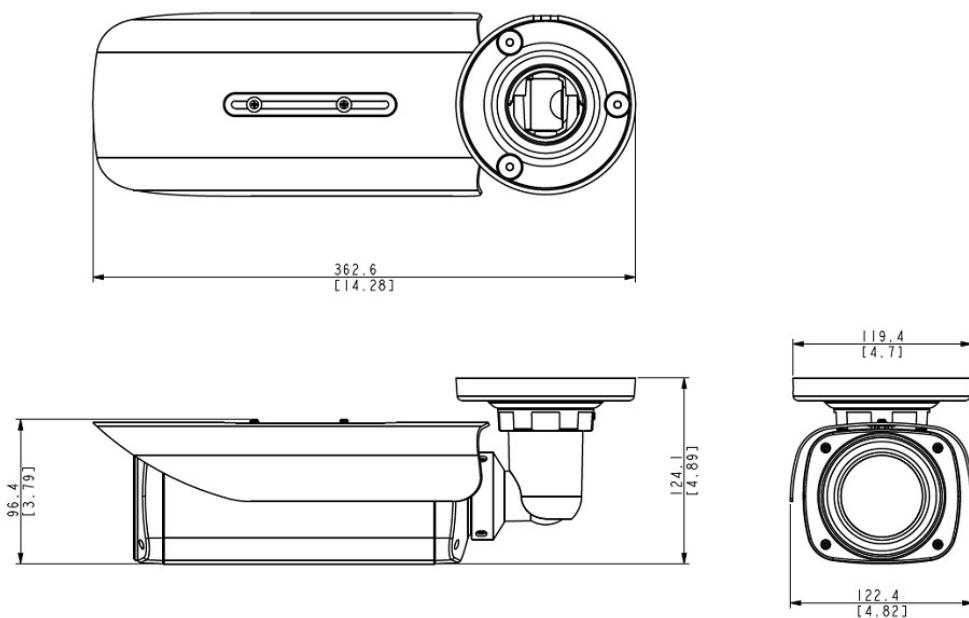
Power Source	DC 12V, High PoE (IEEE802.3at)
Power Consumption	25.5 W (PoE)
Weight	2248g (4.956lb)
Dimensions	(W x H x D): 105.11mm x 124.06mm x 368.5mm (4.14" x 4.88" x 14.51")
Environmental Casing	Weatherproof (IP67), Vandal proof metal casing (IK10)
Bundled Accessories	Integrated bracket
Mount Type	Integrated Bracket, Wall Mount, Ceiling Bracket, Pole Mount, Gang Box
Starting Temperature	-40°C ~ 60°C (-40°F ~ 140°F) within 30 minutes
Operating Temperature	-40°C ~ 60°C (-40°F ~ 140°F)
Approvals	CE, FCC, EAC, IP67, NEMA 4X, IK10 (metal casing), CB, UL Listed (UL 62368-1)
Real-time Clock (RTC)	Yes
Warranty	3 Year(s). For extended warranty offering, see http://www.acti.com/support/warranty

* cross-browser compatibility: Not available for H.265 video decoding and Intelligent Video settings

► Photo Indication



► Dimension Diagram



Unit: mm [inch]

Unit: mm [inch]

► Related Products

Mounting Accessories - Camera Mount

PMAX-0504		Pole Mount (for B4x, B41x, E44, E45, E46, E48, E44A, E45A, E46A, E41x, I4x, PMA-0330), supports 3.25" to 7.0" Poles
PMAX-0505		Pole Mount (for B4x, B41x, E44, E45, E46, E48, E44A, E45A, E46A, E41x, I4x, PMA-0312, PMA-0313, PMA-0314, PMA-0330), supports 2" to 3" Poles
PMAX-0508		Pole Mount (for PMA-0203, PMA-0204, PMA-0205, PMA-0206, PMA-0704), supports 3" to 9" Poles
PMAX-0512		Pole Mount (for E39, PMA-0706), supports 3.25" to 7.0" Poles
PMAX-0704		Junction Box (for A4x, B4x, B41x, E44, E45, E46, E48, E44A, E45A, E46A, E41x, I4x, PMA-0203~PMA-0205)
PMAX-0706		Junction Box (for A3x, A4x, E39, E41x, PMA-0805)
PMAX-0806		Gang Box Converter (for B4x, E39, E44, E45, E46, E44A, E45A, E46A), supports 4" Round and 4" Octagon Boxes
R706-00006		Back Bracket with Pre-installed (For B41x, B43, I42, I48, E413, E415, E417)

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

Power Supply Accessories - PoE Injector

PPOE-0000		POE Injector IEEE 802.3af compliant, AC 100~240V, for US & Japan
-----------	---	--

Network & Storage Peripherals - Data Switch

PPSW-0100		PLANET FGSD-910HP 8-Port 802.3at PoE Switch (PoE Budget 120W)
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		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



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

Other Accessories - Camera Part

R716-00001



Sunshield (for B4x, I4x)

Installation Support - Camera Installation Kit

PMON-2000



Camera Installation Kit