

# E43B

## 5MP with D/N, Adaptive IR, Basic WDR, Vari-focal Lens



- 5 Megapixel
- Day & Night with Adaptive IR LED
- Vari-focal Lens with f2.8-12mm/F1.4
- Basic WDR
- Event trigger, response and notification

### ► Specifications

#### Device

Product Type	Bullet
Maximum Resolution	5MP
Application Environment	Outdoor
Image Sensor	Progressive Scan CMOS
Sensor Size	1/3.2 "
Effective Pixels	2592(H) X 1944(V) (5.04 MP)
Day / Night	Yes
Low Light Sensitivity	Standard
Minimum Illumination	Color: 0.1 lux at F1.4 (30 IRE, 2400 K); B/W: 0 lux at F1.4 (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 15 (850 nm)
IR Working Distance	30m
Electronic Shutter	1/5-1/2000 second (manual mode); 1/5-1/10000 second (auto mode)

Horizontal Resolution (TV Lines)	1350 TVL
S/N Ratio	52 dB

**Lens**

Focal Length	Vari-focal, f2.8-12mm
Aperture	F1.4
Iris	Fixed iris
Focus	Manual focus
Lens Mount	Board mount
Horizontal Viewing Angle	69.2° - 28.2°
Vertical Viewing Angle	54.0° - 21.2°

**Video**

Compression	H.264 (Baseline/ Main/ High profile), MJPEG
Maximum Frame Rate vs. Resolution	15 fps at 2592 x 1944 15 fps at 2048 x 1536 30 fps at 1920 x 1080 30 fps at 1280 x 720 30 fps at 800 x 600 30 fps at 640 x 480 15 fps at 320 x 240
Multi-Streaming	Simultaneous dual streams based on two configurations
Bit Rate	28Kbps - 6Mbps (per stream)
Bit Rate Mode	Constant, Variable
Wide Dynamic Range	Basic WDR (74 dB)
Image Enhancement	White Balance, Brightness, Contrast, Sharpness, Automatic gain control, Flickerless
Digital Noise Reduction	DNR
Privacy Mask	4 configurable regions
Text Overlay	Yes
On-Screen Graphics	Yes
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

**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

## Event

Event Trigger	Video motion detection (3 regions), External device through digital input, Sound detection,
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 local storage, Upload video or snapshot to FTP server, Upload video to NVR server, Activate external device through digital output

## System

Watchdog	Support
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## 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	Yes, Profile S, Profile G, Profile T, Profile Q
GB28181 Compliant	Yes
Web Browser	IE 11
Auto Firmware Upgrade	Yes

## Interface

Audio Interface	Cable with 3.5mm Phone Jack
Local Storage	MicroSDHC, MicroSDXC Memory Card Slot (card not included, up to 256GB, Kingston or Sandisk only)
Digital Input/Output	1/1
Operating Button	Reset Button

## General

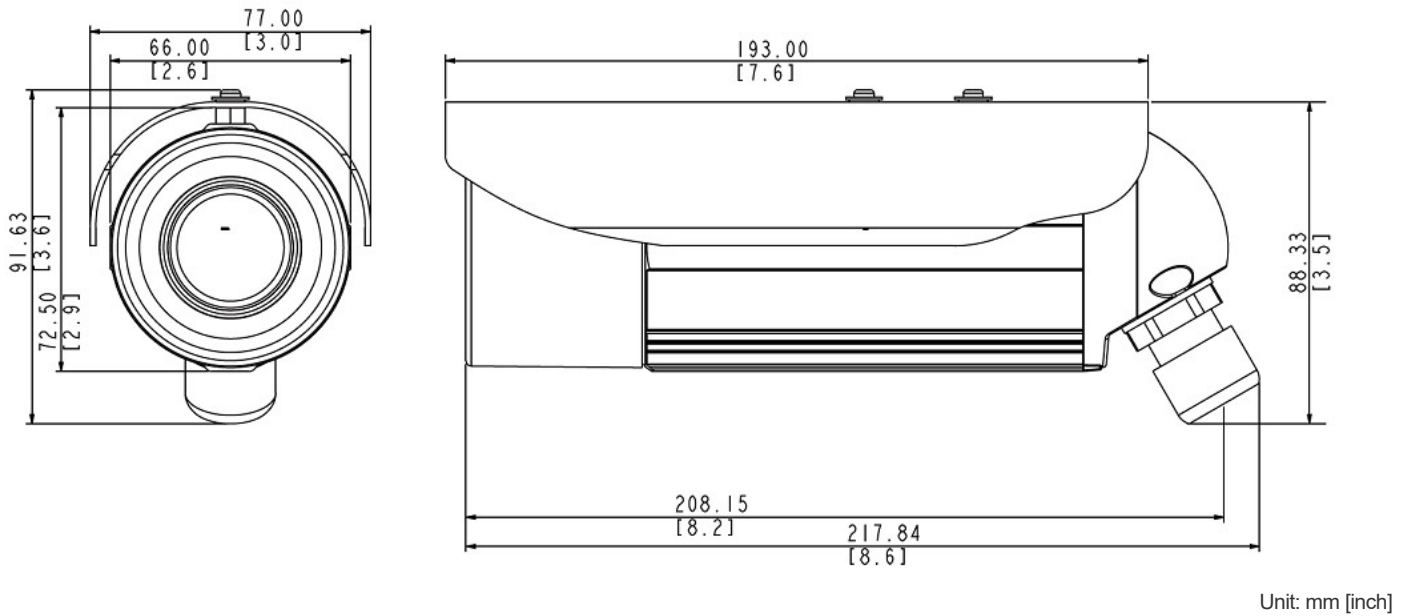
Power Source	PoE Class 2 (IEEE802.3af)
Power Consumption	5.76 W (PoE)
Weight	955g (2.105lb)
Dimensions	(Ø x L): 77mm x 218mm (3.03" x 8.58")
Environmental Casing	Weatherproof (IP68), Vandal proof metal casing (IK10)
Bundled Accessories	Bracket
Mount Type	Bracket, Pole Mount, Corner Mount
Starting Temperature	-20°C ~ 50°C (-4°F ~ 122°F)
Operating Temperature	-40°C ~ 50°C (-40°F ~ 122°F)
Operating Humidity	10% - 85% RH
Approvals	CE Class B, FCC Class B, EAC, BIS, IP68, NEMA 4X, IK10 (metal casing), UL (for optional PoE injector)
Real-time Clock (RTC)	Yes
Warranty	3 Year(s). For extended warranty offering, see <a href="http://www.acti.com/support/warranty">http://www.acti.com/support/warranty</a>

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

## ► Photo Indication
















## ► Dimension Diagram







## ▶ Related Products

### Bullet - Zoom Bullet

A42		5MP Zoom Bullet with D/N, Adaptive IR, Extreme WDR, SLLS, 2.8x Zoom lens, f3.6-10mm/F1.5-2.8 (HOV:79.5°-38.1°), P-Iris, Auto Focus (for installation), H.265/H.264, 1080p/60fps, 2D+3D DNR, Audio, PoE/DC12V, IP66, IK10 (metal casing), DI/DO
A421		8MP Video Analytics Zoom Bullet with D/N, Adaptive IR, Extreme WDR, SLLS, 4.3x Zoom lens, f2.8-12mm/F1.3, Auto Focus (for installation), H.265/H.264, 4K/30fps, 2D+3D DNR, Audio, MicroSDHC/MicroSDXC, PoE/DC12V, IP66, IK10 (metal casing), DI/DO, Built-in Analytics
A425		2MP Zoom Bullet with D/N, Adaptive IR, Extreme WDR, ELLS, 4.3x Zoom lens, f2.8-12mm/F1.8-3.3 (HOV:106.6°-34.6°), Adaptive iris, Auto Focus (for installation), H.265/H.264, 1080p/60fps, 2D+3D DNR, Audio, MicroSDHC/MicroSDXC, PoE/DC12V, IP67, IK10 (metal casing), DI/DO
A46		5MP Zoom Bullet with D/N, Adaptive IR, Extreme WDR, SLLS, 5x Zoom lens, f2.7-13.5mm, Auto Focus (for installation), H.265/H.264, 1080p/30fps, 2D+3D DNR, Audio, MicroSDHC/MicroSDXC, PoE/DC12V, IP66, IK10 (metal casing), DI/DO
B412		3MP Video Analytics Zoom Bullet with D/N, Adaptive IR, Extreme WDR, SLLS, 10x Zoom lens, f4.7-47mm/F1.6-3.0 (HOV:58°-5.8°), DC iris, Auto Focus, H.265/H.264, 1080p/60fps, 2D+3D DNR, Built-in Microphone, MicroSDHC/MicroSDXC, High PoE/DC12V, IP67, IK10 (metal casing), DI/DO, Built-in Analytics
B419		5MP Video Analytics Zoom Bullet with D/N, Adaptive IR, Extreme WDR, SLLS, 10x Zoom lens, f4.7-47mm/F1.6-3.0 (HOV:50.67°-5.14°), DC iris, Auto Focus, H.265/H.264, 1080p/30fps, 2D+3D DNR, Built-in Microphone, MicroSDHC/MicroSDXC, High PoE/DC12V, IP67, IK10 (metal casing), DI/DO, Built-in Analytics
B44		1.3MP Zoom Bullet with D/N, Adaptive IR, Basic WDR, SLLS, 10x Zoom lens, f4.9-49mm/F1.6-3.0 (HOV:52.1°-5.7°), DC iris, Auto Focus, H.264, 720p/60fps, DNR, Audio, MicroSDHC/MicroSDXC, PoE/DC12V, IP67, IK10 (metal casing), DI/DO
I42		2MP Video Analytics Zoom Bullet with D/N, Adaptive IR, Extreme WDR, ELLS, 36x Zoom lens, f4.6-165.6mm/F1.55-5.0 (HOV:62.7°-2.7°), DC iris, Auto Focus, H.264, 1080p/60fps, 2D+3D DNR, Audio, MicroSDHC/MicroSDXC, PoE/DC12V, IP67, IK10 (metal casing), DI/DO, Built-in Analytics
I47		4MP Zoom Bullet with D/N, Adaptive IR, Advanced WDR, SLLS, 30x Zoom lens, f4.3-129mm/F1.6-5.0 (HOV:66.4°-2.14°), DC iris, Auto Focus, H.264, 1080p/30fps, 2D+3D DNR, Audio, MicroSDHC/MicroSDXC, PoE/DC12V, IP67, IK10 (metal casing), DI/DO
Z42		4MP Zoom Bullet with D/N, Adaptive IR, Superior WDR, SLLS, 4.3x Zoom lens, f2.8-12mm (HOV:91°-27°), Auto Focus (for installation), H.265/H.264, 2D+3D DNR, MicroSDHC/MicroSDXC, PoE/DC12V, IP67, IK10 (metal casing)
Z47		8MP Zoom Bullet with D/N, Adaptive IR, Superior WDR, SLLS, 4.3x Zoom lens, f2.8-12mm/F1.6 (HOV:99.8°-31.1°), Auto Focus (for installation), H.265/H.264, 1440p/30fps, 2D+3D DNR, Audio, MicroSD, PoE/DC12V, IP67, IK10 (metal casing), DI/DO
Z48		2MP Zoom Bullet with D/N, Adaptive IR, Superior WDR, SLLS, 4.3x Zoom lens, f2.8-12mm/F1.6 HOV:102.1°-33°), Auto Focus (for installation), H.265/H.264, 1080p/30fps, 2D+3D DNR, Built-in Microphone, MicroSD, PoE/DC12V, IP67, IK10 (metal casing)


Z49		4MP Zoom Bullet with D/N, Adaptive IR, Superior WDR, SLLS, 4.3x Zoom lens, f2.8-12mm/F1.6 (HOV:102.1°-30.7°), Auto Focus (for installation), H.265/H.264, 1440p/30fps, 2D+3D DNR, Built-in Microphone,, MicroSD, PoE/DC12V, IP68, IK10 (metal casing)
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**Mounting Accessories - Camera Mount**


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-1107		Bracket for Bullet Cameras (D3x, D4x, E3x, E41~E43, E47 only)
R707-00002		Bracket (for E33A, E41, E42B, E43B)

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



**Bullet Covers - Back Cover**

R706-00004		Back Cover with Pre-installed Network Cable (for D4xA, E4xB, E47)
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**Bullet Covers - Front Cover**

R700-00005		Front Cover (for D4x, E4x bullet cameras, except E48)
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**Power Supply Accessories - PoE Injector**

PPOE-0000		POE Injector IEEE 802.3af compliant, AC 100~240V, for US & Japan
PPOE-0002		PoE Injector IEEE 802.3af compliant, AC 100~240V, with universal connectors

**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-0105		PLANET GS-4210-8P2C 8-Port Gigabit 802.3at Managed 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


### 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

PLED-0202  SPINLUX (SL-A2IRXX35-24CL) IR Illuminator 35° Angle with 25 m approx. range

### Product Demo - Camera Demo Kit

PCDK-0001  Camera Demo Kit Rack Box (350 x 550 x 140 mm) for all cameras except Mini Domes