

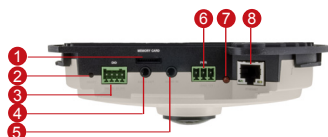
B59A

8MP Video Analytics Indoor Hemispheric Dome with D/N, Adaptive IR, Extreme WDR, SLLS, Fisheye Lens



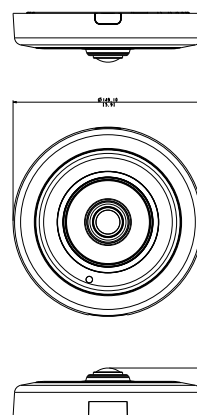
- 8 Megapixel with 1080p
- Day & Night with Superior Low Light Sensitivity and Adaptive IR LED
- Fisheye Lens with f1.65mm / F2.8
- Extreme WDR
- 30 fps at 2048 x 2048
- 180/360° Panorama View with Dewarped Streaming
- Digital Auto Tracking
- Overview, Zoom and Tracking (OZT)

PHOTO INDICATION



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

DIMENSION DIAGRAM



Unit: mm [inch]

ACCESSORY OPTIONS

Power Supply

PPOE-0001



IEEE 802.3af PoE Injector for Class 1, 2 or 3 devices, with universal adapter

Popular Mounting Solutions

Surface	Accessories not required	
Flush	PMAX-1011	
Wall	PMAX-0320	
Pendant	PMAX-0101 PMAX-0102	
Pole	PMAX-0320 PMAX-0503	
Corner	PMAX-0320 PMAX-0402	
Gang Box	PMAX-0804	

* For more mounting solutions, please refer to Project Planner on www.acti.com

PRODUCT SPECIFICATION**B59A****• Device**

Device Type	Indoor Hemispheric Dome
Image Sensor	Progressive Scan CMOS
Sensor Size	1/1.8"
Effective Pixels	3096 (H) x 2080 (V) (6.44 MP)
Horizontal Resolution	1850 TVL
Day / Night	Yes
Low Light Sensitivity	Superior
Minimum Illumination	Color: 0.1 lux at F2.8 (30 IRE, 2400°K); B/W: 0 lux at F2.8 (30 IRE, 2400°K)
Color to B/W Switch	ISP based switch, configurable
Mechanical IR Cut Filter	Yes
IR Sensitivity Range	700 - 1100 nm
IR LED	Adaptive IR LED x 12 (850nm)
IR Working Distance	20m (0 lux, 30 IRE, Gain 255, Manual shutter mode)
Electronic Shutter	1/5 ~ 1/16,000 sec (manual mode); 1/5 ~ 1/16,000 sec (auto mode)
S/N Ratio	56 dB

• Lens

Focal Length / Aperture	Fixed (fisheye lens), f1.65mm / F2.8
Iris	Fixed iris
Focus	Fixed focus
Mount Type	Board mount
Horizontal Viewing Angle	198.5° (overview area)

• Video

Compression	H.264 (Baseline / Main / High profile), MJPEG
View Mode	Fisheye View; Dewarped View; ePTZ View; 270-degree Corner View
Max. Frame Rate vs. Resolution	Fisheye view: 24 fps at 3072 x 2048; 30 fps at 2048 x 2048; 30 fps at 1600 x 1200; 30 fps at 1024 x 1024; 30 fps at 1280 x 960; 30 fps at 800 x 600; 30 fps at 640 x 480 Dewarped view: 10 fps at 4096 x 2160; 10 fps at 3840 x 2160; 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 ePTZ view: 30 fps at 1600 x 1200; 30 fps at 1024 x 1024; 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	128 Kbps - 12 Mbps (per stream)
Bit Rate Mode	Constant, Variable
Image Enhancement	Extreme WDR (130 dB); White balance: automatic, hold and manual; Brightness; Contrast; Sharpness (auto); Automatic gain control; 2D+3D digital noise reduction; Flickerless; Defogging
Privacy Mask	8 configurable regions
Text Overlay	User defined text on video
Image Orientation	Image flip, image mirror
Built-in Analytics	Motion Detection, Tamper, Shock Detection, Digital Auto Tracking, Line Crossing, Enter Area, Missing Object, Unattended Object, Smoke Detection**, Fire Detection

• Audio

Compression	8 kHz, Mono, PCM, 16 bit encoding; G.711
Audio-In	Line-in, Mic-in; 3.5mm Phone Jack
Audio-Out	Line-out; 3.5mm Phone Jack

• 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, Ethernet (10/100 Base-T), RJ-45 connector
Security	IP address filtering, HTTPS encryption, Password protected user level, Anonymous login, IEEE 802.1X network access control

• Alarm

Alarm Trigger	Video motion detection (10 regions), External device through digital input, Sound detection, Intelligent event detection
Alarm Response	Notify control center Go to ePTZ 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, Upload video or snapshot to FTP server, Activate external device through digital output

• Interface

Digital Input	1, Terminal block
Digital Output	1, Terminal block
Local Storage	MicroSDHC/MicroSDXC memory card slot (card not included)

• General

Power Source / Consumption	PoE Class 3 (IEEE 802.3af) / 7.39W; DC 12V (adapter not included) / 5.39 W
Weight	745 g (1.64 lb)
Dimensions (Ø x H)	150 mm x 39 mm (5.9" x 1.5")
Storage Temperature	-10°C ~ 50°C (14°F ~ 122°F)
Operating Temperature	-10°C ~ 50°C (14°F ~ 122°F)
Operating Humidity	10% ~ 85% RH
Approvals	CE (EN 55022 Class B, EN 55024), FCC (Part15 Subpart B Class B), UL (for optional PoE injector and power adapter)

• Integration

Unified Solution	Fully compatible with ACTi software
ISV Integration	Software Development Kit (SDK) available; ONVIF compliant; GB28181
GPS Position	Manual setting
Firmware Access Browser	Microsoft Internet Explorer 8.0 or newer (full functionality) Safari with QuickTime installed, and other browsers with VLC installed (partial functionality)

** Functionality will be available in future firmware update

* All specifications are subject to change without notice.

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