

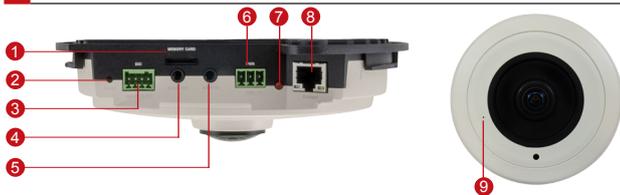
B511A

12MP Video Analytics Indoor Hemispheric Dome with D/N, Adaptive IR, Extreme WDR, SLLS, Fisheye Lens



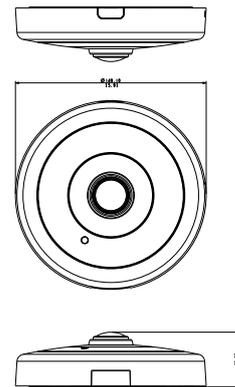
- 12 Megapixel with 1080p
- Day & Night with Superior Low Light Sensitivity and Adaptive IR LED
- Fisheye Lens with f1.3mm / F2.6
- Extreme WDR (130 dB)
- 24 fps at 3072 x 2048
- 180/360° Panorama View with Dewarped Streaming
- Built-in Analytics

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 |
| | 9 Built-in Mic |

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
PPBX-0002		AC 100-240V to DC 12V power adapter with universal connector

Popular Mounting Solutions		
Surface	Accessories not required	
Flush	PMAX-1009	
Wall	PMAX-0310	
Pendant	PMAX-0101 PMAX-0103	
Pole	PMAX-0310 PMAX-0503	
Corner	PMAX-0310 PMAX-0402	
Gang Box	PMAX-0804	

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

PRODUCT SPECIFICATION**B511A****• Device**

Device Type	Indoor Hemispheric Dome
Image Sensor	Progressive Scan CMOS
Sensor Size	1/1.7"
Effective Pixels	4072(H) X 3046(V) (12.4 MP)
Horizontal Resolution	2250 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 ~ 1/2,000 sec (manual mode); 1/5 ~ 1/10,000 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	190°

• Video

Compression	H.264 (Baseline / Main / High profile), MJPEG
View Mode	Fisheye view; Dewarped view: 180° / 360° Panorama, ePTZ
Max. Frame Rate vs. Resolution	Fisheye view mode: 18 fps at 4000 x 3000; 24 fps at 4096 x 2160; 24 fps at 3840 x 2160; 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 mode: 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
Multi-Streaming	Simultaneous triple streams based on video 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	Object Based Motion Detection, Tamper, Shock Detection, Digital Auto Tracking, Line Crossing, Enter Area, Missing Object, Unattended Object, Smoke Detection

• Audio

Compression	8 kHz, Mono, PCM, 16 bit encoding; G.711
Audio-In	Built-in Mic, Line-in; Terminal block
Audio-Out	Line-out; Terminal block

• Network

Protocol & Service	TCP, UDP, HTTP, HTTPS, DHCP, PPPoE, RTP, RTSP, IPv6, DNS, DDNS, NTP, ICMP, ARP, IGMP, SMTP, FTP, UPnP, SNMP, Bonjour
Ethernet Port	1, Ethernet (10/100 Base-T), RJ-45 connector
Security	IP address filtering; HTTPS encryption; Password protected user levels; IEEE 802.1X network access control; Anonymous Login

• Alarm

Alarm Trigger	Video motion detection (10 regions); External device through digital input; Sound 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; 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) / 7.17 W
Weight	461 g (1.016 lb)
Dimensions (Ø x H)	149 mm x 43 mm (5.9" x 1.7")
Mount Type	Surface, Flush, Wall, Pendant, Pole, Corner, Gang box
Starting 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
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)

* All specifications are subject to change without notice.

* All brand names and registered trademarks are the property of their respective owners.

www.acti.com