

# B511A

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



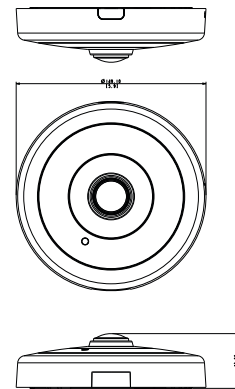
- 12-Megapixel 4K Hemispheric Camera
- Day & Night with Superior Low Light Sensitivity and Adaptive IR LED
- Fisheye Lens with f1.65mm / F2.8
- Extreme WDR (130 dB)
- 30 fps at 2048 x 2048
- 180/360° Panorama View with Dewarped Streaming
- Built-in Analytics

## 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-1011	
Wall	PMAX-0320	
Pendant	PMAX-0101 PMAX-0103	
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](http://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 (IR LED on)
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	20 m (0 lux, 30 IRE, Gain 255, Auto 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), 121.1° (High Detail Area)
Vertical Viewing Angle	198.5° (Fisheye View)

**• Video**

Compression	H.264 (Baseline / Main / High profile), MJPEG
View Mode	Fisheye View, Dewarped View: 180° / 360° Panorama, 270° Corner View, Multiple View, ePTZ
Max. Frame Rate vs. Resolution	<b>Fisheye view mode:</b> 18 fps at 4000 x 3000, 30 fps at 2048 x 2048, 30 fps at 1600 x 1200, 30 fps at 1280 x 960, 30 fps at 1024 x 1024, 30 fps at 800 x 600, 30 fps at 640 x 480 <b>Dewarped View Mode:</b> 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 three configurations
Bit Rate	128Kbps - 12Mbps (per stream)
Bit Rate Mode	Constant, Variable
Image Enhancement	White Balance, Brightness, Contrast, Sharpness, Automatic Gain Control, 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, Loitering

**• Audio**

Compression	8 kHz, Mono, PCM, 16-bit Encoding; G.711
Audio-In	Built-in Microphone, Mic-in, Line-in (3.5 mm Phone Jack)
Audio-Out	Line-out (3.5 mm 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) / 7.17 W
Weight	745 g (1.64 lb)
Dimensions (Ø x H)	149.10 mm x 39.20 mm (5.9" x 1.5")
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 (Profile S, Profile G), GB28181 Compliant
GPS Position	Manual setting
Firmware Access Browser	Microsoft Internet Explorer 11

\* All specifications are subject to change without notice.

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