B511

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

Full HD 1080

- 12 Megapixel with 4K/1080p
- Day & Night with Superior Low Light Sensitivity and Adaptive IR LED
- Fisheye Lens with f1.3mm / F2.6
- Extreme WDR (130 dB)
- 30 fps at 2048 x 2048
- 180/360° Panorama View with Dewarped Streaming
- OZT Technology (360° overview, zoom, and tracking)
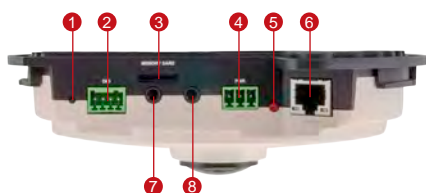- Built-in Analytics

Features Introduction

OZT Technology

OZT technology combines three valuable features – Overview, Zoom and Tracking – to be able to automatically track any suspicious object over a wide area. The intelligent hemispheric camera with overview capability can be paired with a speed dome camera, and hence instructs the speed dome camera to zoom-in and track the object in a detailed manner.
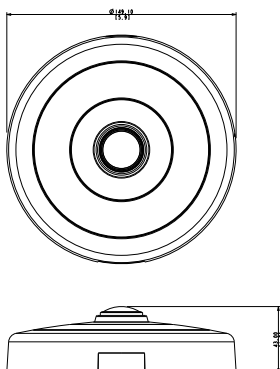
The hemispheric camera and speed dome camera can be installed in flexible distance from each other. Upon the installation, both units are automatically calibrated without any user action required. The pair is then ready to automatically track moving objects.

PHOTO INDICATION

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

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-0503 PMAX-0320	
Corner	PMAX-0402 PMAX-0320	
Gang Box	PMAX-0804	

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

DIMENSION DIAGRAM

Unit: mm [inch]

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PRODUCT SPECIFICATION

B511	
• 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	2150 TVL
Day / Night	Yes
Low Light Sensitivity	Superior
Minimum Illumination	Color: 0.1 lux at F2.6 (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 (850 nm)
IR Working Distance	20 m (0 lux, 30 IRE, Gain 255, Auto 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	Fisheye lens, f1.3mm / F2.6
Iris	Fixed iris
Focus	Fixed focus
Mount Type	Board mount
Horizontal Viewing Angle	194.2°(overview area), 118.5° (high detail area)
• Video	
Compression	H.264 (Baseline / Main / High profile), MJPEG
View Mode	Fisheye view; Dewarped view: 180° / 360° Panorama, ePTZ
Max. Frame Rate vs. Resolution	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 1920 x 1080; 30 fps at 1024 x 1024; 30 fps at 1280 x 960; 30 fps at 1280 x 720; 30 fps at 800 x 600
Multi-Streaming	Simultaneous three 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	**32 configurable regions
Text Overlay	**User defined text on video
Image Orientation	Image flip and mirror
Built-in Analytics	OZT technology; Digital Auto Tracking; *Tamper; *Shock Detection; *Line Crossing; *Enter Area; *Missing Object; *Unattended Object; *Smoke Detection (*Some of the algorithms may not be available in the first release, can be upgraded for free later.)
• Audio	
Compression	8 kHz, Mono, PCM, 16 bit encoding; G.711
Audio-In	Cable with 3.5mm phone jack
Audio-Out	Cable with 3.5mm phone jack
• Network	
Protocol & Service	TCP, UDP, HTTP, HTTPS, DHCP, PPPoE, RTP, RTSP, IPv4, IPv6, DNS, DDNS, NTP, ICMP, ARP, IGMP, SMTP, FTP, UPnP, SNMP, Bonjour, Sony VISCA, Pelco D, Pelco P
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; **Save video to local storage; **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; DC 12V (adapter not included) / 5.99 W
Weight	452 g (0.996 lb)
Dimensions (Ø x H)	149.1 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)

** Functionalities will be available in a future firmware

ACTi
Connecting Vision