

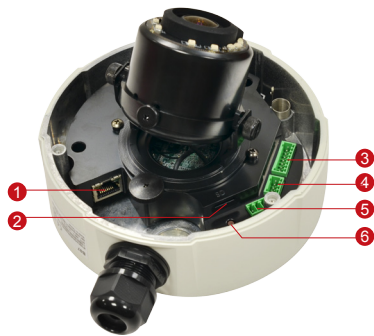
# B87

## 3MP Outdoor Zoom Dome with D/N, Adaptive IR, Superior WDR, 3x Zoom Lens



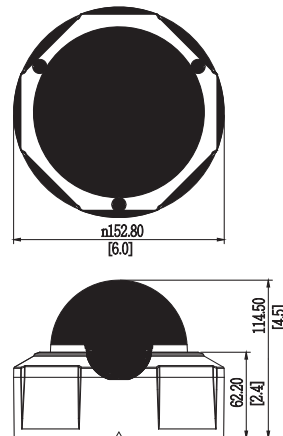
- 3 Megapixel with 1080p
- Day & Night with Adaptive IR LED
- 3x Zoom Lens with f3 - 9mm / F1.2 - 2.1, DC Iris, Auto Focus
- Superior WDR (110 dB)
- 30 fps at 1920 x 1080
- Weatherproof (IP67) and Vandal Proof (IK10)

### PHOTO INDICATION



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

### DIMENSION DIAGRAM



Unit: mm [inch]

### ACCESSORY OPTIONS

Dome Cover		
PDCX-1109		Smoked dome cover for B6X/B8X/B9X, vandal proof (IK10)
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	
Wall	PMAX-0314	
Pendant	PMAX-0101 PMAX-0103	
Corner	PMAX-0314 PMAX-0402	
Pole	PMAX-0314 PMAX-0503	
Flush	PMAX-1013	
Gang Box	PMAX-0804	

\* For more mounting solutions, please refer to Project Planner on [www.acti.com](http://www.acti.com)

**PRODUCT SPECIFICATION****B87****• Device**

Device Type	Outdoor Zoom Dome
Image Sensor	Progressive Scan CMOS
Sensor Size	1/3"
Effective Pixels	2048 (H) x 1536 (V) (3.15 MP)
Horizontal Resolution	1450 TVL
Day / Night	Yes
Low Light Sensitivity	Standard
Minimum Illumination	Color: 0.1 lux at F1.2 (30 IRE, 2400°K); B/W: 0 lux (IR LED on)
Mechanical IR Cut Filter	Yes
IR Sensitivity Range	700 - 1100nm
IR LED	Adaptive IR LED x 10 (850nm)
IR Working Distance	40 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	52 dB

**• Lens**

Focal Length / Aperture	Zoom, f3 - 9mm / F1.2 - 2.1
Zoom Ratio / Speed	3x optical / 1 sec (wide to tele)
Zoom Application	Camera Installation; Auto Zoom by Event; Manual Operation
Iris	DC iris
Focus	Auto focus
Lens Mount	Board mount
Horizontal Viewing Angle	84.5° ~ 29.8°
Viewing Angle Adjustment	Pan: 0° - 350°; Tilt: 5° - 170°; Rotate: 0- 350°

**• Video**

Compression	H.264 (Baseline / Main / High profile), MJPEG
Max. Frame Rate vs. Resolution	20 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	28 Kbps - 6 Mbps (per stream)
Bit Rate Mode	Constant, Variable
Privacy Mask	4 configurable regions for each of 17 preset points
Image Enhancement	Superior WDR (110 dB); White balance: automatic, hold, and manual; Brightness; Contrast; Sharpness (auto); Auto gain control; Digital noise reduction; Flickerless
Image Orientation	Image flip and mirror

**• Audio**

Compression	8kHz, Mono, PCM, 16 bit encoding, G.711
Audio-In	Terminal block
Audio-Out	Terminal block

**• Network**

Protocol & Service	TCP, UDP, HTTP, HTTPS, DHCP, PPPoE, RTP, RTSP, IPv4, 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; Anonymous login; IEEE802.1X network access control

**• Alarm**

Alarm Trigger	Video motion detection (3 regions); External device through digital input; Sound detection
Alarm Response	Notify control Center; Change camera settings; Command other devices; E-mail notification with snapshots; Save video or snapshot to local storage; Upload video, Snapshot to FTP server; Activate external device through digital output

**• Interface**

Digital Input	2, Terminal block
Digital Output	2, Terminal block
Local Storage	MicroSDHC/MicroSDXC memory card slot (card not included)

**• General**

Power Source / Consumption	PoE Class 3 IEEE802.3af / 9.76 W (built-in heater and IR on) DC 12V (adapter not included) / 8.44 W (built-in heater and IR on)
Weight	1.26 kg (2.78 lb)
Dimensions (Ø x H)	152 mm x 114.5 mm (6.0" x 4.5")
Environmental Casing	Weatherproof (IP67 rated); Vandal proof (IK10); Transparent dome cover
Mount Type	Surface, Pendant, Wall, Corner, Pole, Flush, Gang box
Starting Temperature	-40°C ~ 50°C (-40°F ~ 122°F) within 30 minutes
Operating Temperature	-40°C ~ 50°C (-40°F ~ 122°F)
Operating Humidity	10% ~ 85% RH
Approvals	CE (EN 55022 Class B, EN 55024), FCC (Part15 Subpart B Class B); IP67, IK10, NEMA 4X, 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.

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