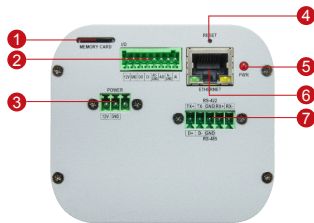# B214

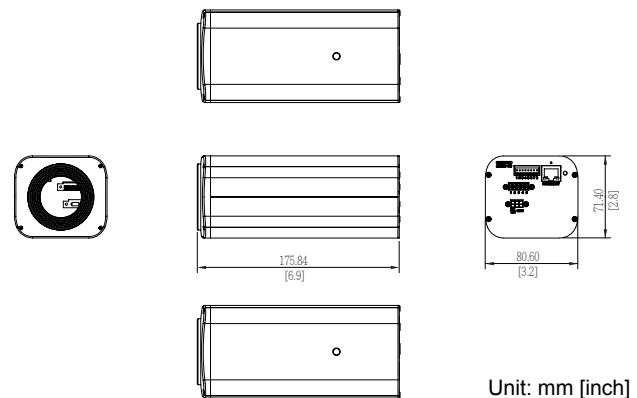## 2MP Zoom Box with D/N, Extreme WDR, 20x Zoom Lens

Full HD 1080

- 2 Megapixel with 1080p
- Day & Night with Superior Low Light Sensitivity
- 20x Zoom Lens with f4.7 - 94mm / F1.6 - 3.5, DC-Iris, Auto Focus
- Extreme WDR (145 dB)
- 60 fps at 1920 x 1080

PHOTO INDICATION

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

DIMENSION DIAGRAM

175.84 [6.9]

71.40 [2.8]

80.60 [3.2]

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		Universal Power Adapter,100~240V, 4 different connectors included

Popular Mounting Solutions

Junction Box	PMAX-0203 PMAX-0704	
Pole with Junction Box	PMAX-0203 PMAX-0704 PMAX-0508	

* For more mounting solutions, please refer to Mounting Selector on www.acti.com

Outdoor Housing & Bracket

PMAX-0203		IP68, with heater and fan powered by 230V AC, -30°C ~ 50°C (-22°F ~ 122°F), with integrated bracket
PMAX-0204		IP68, with heater and fan powered by 110V AC, -30°C ~ 50°C (-22°F ~ 122°F), with integrated bracket
PMAX-0205		IP68, -10°C ~ 50°C (14°F ~ 122°F), with integrated bracket

B214

PRODUCT SPECIFICATION

B214	
• Device	
Device Type	Zoom Box Camera
Image Sensor	Progressive Scan CMOS
Sensor Size	1/2.8"
Effective Pixels	1944 (H) x 1244 (V) (2.41 MP)
Horizontal Resolution	1450 TVL
Day / Night	Yes
Low Light Sensitivity	Superior
Minimum Illumination	Color: 0.1 lux at F1.6 (30 IRE, 2400°K); B/W: 0.05 lux at F1.6 (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	No
Electronic Shutter	1/5 ~ 1/2,000 sec (manual mode); 1/5 ~ 1/10,000 sec (auto mode)
Real Time Clock	Yes
S/N Ratio	56 dB
• Lens	
Focal Length / Aperture	Zoom, f4.7 - 94mm / F1.6 - 3.5
Zoom Ratio /Speed	20x optical / 2.2 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	60.8° ~ 3.4°
• Video	
Compression	H.264 (Baseline / Main / High profile), MJPEG
Max. Frame Rate vs. Resolution	60 fps at 1920 x 1080; 60 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 configurations
Bit Rate	128 Kbps - 12 Mbps (per stream)
Bit Rate Mode	Constant, Variable
Privacy Mask	Up to 20 preset points including home position with up to 4 configurable regions for each Zoom position
Image Enhancement	Extreme WDR (145 dB); White balance: automatic, hold, and manual; Brightness; Saturation; Contrast; Sharpness (auto); Auto gain control; 2D+3D Digital noise reduction; Flickerless; **Defogging
Text Overlay	User defined text on video
Built-in Analytics	Motion Detection, Tamper, Digital Image Stabilizer, **Line Crossing, **Enter Area, **Appearing in Area, **Missing Object, **Unattended Object
Image Orientation	Image flip, mirror and rotation
• 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, 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; Anonymous login; IEEE 802.1X network access control
• Alarm	
Alarm Trigger	Video motion detection (10 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 or snapshot to FTP server; Activate external device through digital output
• Interface	
Digital Input	1, Terminal block
Digital Output	1, Terminal block
Serial Port	1, RS-485/RS-422, Terminal block
Local Storage	**MicroSDHC memory card slot (card not included)
• General	
Power Source / Consumption	PoE Class 3 (IEEE802.3af) / 10.2 W (built-in heater on) DC 12V (adapter not included) / 8.7 W (built-in heater on)
Weight	732 g (1.61 lb)
Dimensions (W x H x D)	81 mm x 71 mm x 176 mm (3.2" x 2.8" x 6.9")
Environmental Casing	Optional housing (IP 66 rated)
Mount Type	Wall, Ceiling, Corner, Pole
Starting Temperature	-10°C ~ 50°C (14°F ~ 122°F) within 30 min
Operating Temperature	-20°C ~ 50°C (-4°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 Postion	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 the future firmware update.

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ACTi
Connecting Vision

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