

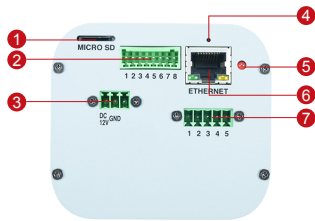
# I28

## 2MP Video Analytics Zoom Box with D/N, Extreme WDR, SLLS, 33x Zoom Lens



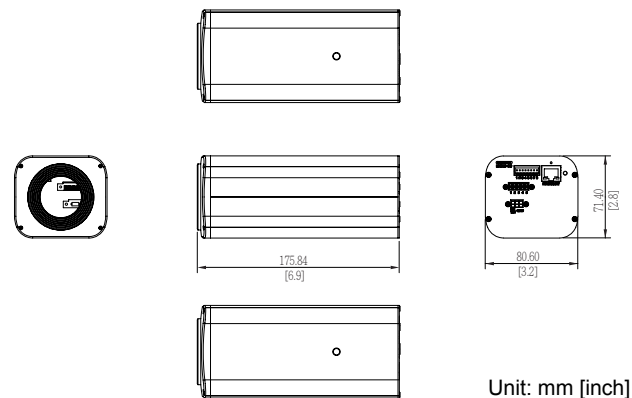
- 2 Megapixel with 1080p
- Built-in Intelligent Video Analytics
- Day & Night with Superior Low Light Sensitivity
- 33x Zoom Lens with f4.5 - 148.5mm / F1.6 - 5.0, DC Iris, Auto Focus
- Extreme WDR (145 dB)
- 60 fps at 1920 x 1080

### PHOTO INDICATION



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

### DIMENSION DIAGRAM



### ACCESSORY OPTIONS

Outdoor Housing & Bracket		
PMAX-0200		IP66, with heater and fan powered by 110V AC, -30°C ~ 50°C (-22°F ~ 122°F), requires housing bracket
PMAX-0201		IP66, with heater and fan powered by 220V AC, -30°C ~ 50°C (-22°F ~ 122°F), requires housing bracket
PMAX-0202		IP66, -10°C ~ 50°C (14°F ~ 122°F), requires housing bracket
PMAX-1106		Aluminum, max. load 10 kg (22.05 lb), tilt angle 90° (For PMAX-0200, PMAX-0201, PMAX-0202)

Camera Bracket		
PMAX-1105		Bracket for indoor box cameras

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		
Corner	PMAX-0202 PMAX-1106 PMAX-0402	
Pole	PMAX-0202 PMAX-1106 PMAX-0503	

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

## PRODUCT SPECIFICATION

### I28

#### • Device

Device Type	Zoom Box Camera
Image Sensor	Progressive Scan CMOS
Sensor Size	1/2.8"
Effective Pixels	1944 (H) x 1224 (V) (2.38 MP)
Horizontal Resolution	1800 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 ~ 1/32,000 sec (manual mode); 1/5 ~ 1/32,000 sec (auto mode)
S/N Ratio	56 dB

#### • Lens

Focal Length / Aperture	Zoom, f4.5 - 148.5mm / F1.6 - 5.0
Zoom Ratio	33x optical
Zoom Speed	2.7 sec (wide to tele)
Iris	DC iris
Focus	Auto focus
Lens Mount	Board mount
Horizontal Viewing Angle	69.3° ~ 3°
Vertical Viewing Angle	38° ~ 1.7°

#### • 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 640 x 480; 30 fps at 320 x 240
Multi-Streaming	Simultaneous triple streams based on three configurations
Bit Rate	128 Kbps - 12 Mbps (per stream)
Bit Rate Mode	Constant, Variable
Image Enhancement	Extreme WDR (145 dB); White balance: automatic, hold, and manual; Brightness; Contrast; Sharpness (auto); Auto gain control; 2D+3D digital noise reduction; Flickerless; Defogging; Digital image stabilizer
Privacy Mask	20 configurable 3D privacy masks
Text Overlay	User defined text on video
Image Orientation	Image flip and mirror, Rotation (90°, 270°)
Built-in Analytics	Face Detection, Object Based Motion Detection, Tampering, Line Crossing, Enter Area, Missing Object, Unattended Object, Loitering

#### • 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, Intelligent event detection
Alarm Response	Notify control center, Go to Zoom preset point or preset tour, Change camera settings, Command other devices, E-mail notification with snapshots, Play the audio file, 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
Serial Port	1, RS-485/RS-422, Terminal block
Local Storage	MicroSDHC/MicroSDXC memory card slot (card not included)

#### • General

Power Source / Consumption	PoE Class 3 (IEEE802.3af) / 10.2 W; DC 12V / 8.7 W
Weight	743 g (1.638 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 (IP66-IP68 rated)
Mount Type	Wall, Ceiling, Corner, Pole
Starting Temperature	-10°C ~ 50°C (14°F ~ 122°F) within 30 minutes
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
Firmware Access Browser	IE 11
Auto Firmware Upgrade	Yes
GPS Position	Manual setting

\* All specifications are subject to change without notice.

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

[www.acti.com](http://www.acti.com)

