

# A23

## 3MP Box with D/N, Extreme WDR, SLLS, Vari-focal Lens



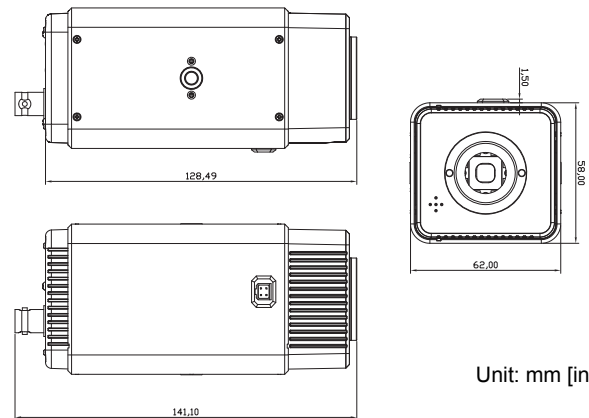
- 3 Megapixel
- Day & Night with Superior Low Light Sensitivity
- Vari-focal Lens with f2.8-12mm/F1.4-F2.8, P-Iris
- Extreme WDR
- 30 fps at 2048 x 1536
- Wide Angle

### PHOTO INDICATION



- 1 Input and Output connector
  - DC 12V Power Input
  - Audio Input / Output
  - Digital Input / output
  - Series Port
- 2 Ethernet Port
- 3 Analog Video Out
- 4 Memory Card Slot
- 5 Reset Button

### 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                        |
| 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                                          |
| Camera Bracket            |  |                                                                                                      |
| PMAX-1104                 |  | Ceiling bracket for indoor box or bullet cameras, gray                                               |

| Popular Mounting Solutions |                                     |  |
|----------------------------|-------------------------------------|--|
| Wall                       | PMAX-0200<br>PMAX-1106              |  |
| Pole                       | PMAX-0200<br>PMAX-1106<br>PMAX-0503 |  |

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

## PRODUCT SPECIFICATION

### A23

#### • Device

|                          |                                                                  |
|--------------------------|------------------------------------------------------------------|
| Device Type              | Vari-focal Box Camera                                            |
| Image Sensor             | Progressive Scan CMOS                                            |
| Sensor Size              | 1/2.8"                                                           |
| Effective Pixels         | 2065(H) X 1553(V) (3.21 MP)                                      |
| Horizontal Resolution    | 1300 TVL                                                         |
| Day / Night              | Yes                                                              |
| Low Light Sensitivity    | Superior                                                         |
| Minimum Illumination     | Color: 0.05 lux at F1.4; B/W 0.005 lux at F1.4 (AGC on)          |
| Color to B/W Switch      | ISP based switch; Configurable                                   |
| Mechanical IR Cut Filter | Yes                                                              |
| IR Sensitivity Range     | 700 - 1150 nm                                                    |
| IR LED                   | No                                                               |
| 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  | Vari-focal, f2.8 - 12mm / F1.4-2.8 |
| Iris                     | P-Iris                             |
| Focus                    | Auto back focus                    |
| Lens Mount               | CS mount (interchangeable lens)    |
| Horizontal Viewing Angle | 92.9° - 32.2°                      |
| Vertical Viewing Angle   | 68.2° - 25.0°                      |

#### • Video

|                                |                                                                                                                                                                                                             |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Compression                    | H.265, H.264 (Baseline / Main / High profile), MJPEG                                                                                                                                                        |
| Max. Frame Rate vs. Resolution | 30 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; 30 fps at 320 x 240                                                                           |
| Multi-Streaming                | Simultaneous dual streams based on two configurations                                                                                                                                                       |
| Bit Rate                       | 28 Kbps -12 Mbps (per stream)                                                                                                                                                                               |
| Bit Rate Mode                  | Constant, Variable                                                                                                                                                                                          |
| Image Enhancement              | Extreme WDR (100 dB); White balance: automatic, hold and manual; Brightness; Defogging; Contrast; Sharpness (auto); Auto gain control; 2D+3D digital noise reduction; Flickerless; Digital Image Stabilizer |
| Privacy Masks                  | 4 configurable regions                                                                                                                                                                                      |
| Text Overlay                   | User defined text on video                                                                                                                                                                                  |
| Built-in Analytics             | Tamper                                                                                                                                                                                                      |
| Image Orientation              | Image flip and mirror, Rotation                                                                                                                                                                             |

#### • Audio

|             |                                                      |
|-------------|------------------------------------------------------|
| Compression | 8kHz, Mono; G. 711                                   |
| Audio-In    | Mic-in, Line-in, Built-in Microphone; Terminal block |
| Audio-Out   | Line-out, Terminal block                             |

#### • 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 |
| Ethernet Port      | 1, Ethernet (10/100 Base-T), RJ-45 connector                                                                                       |
| Security           | IP address filtering; HTTPS encryption; Password protected user levels; Anonymous login                                            |

#### • Alarm

|                |                                                                                                                                                                                                                                            |
|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Alarm Trigger  | Video motion detection (3 regions); External device through digital input; Sound detection; Tampering 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 / Digital Output | 1, Terminal block / 1, Terminal block                      |
| Analog Video Output            | 1, CVBS, BNC connector                                     |
| Serial Port                    | 1, RS-485/RS-422, Terminal block                           |
| Local Storage                  | MicroSDHC / MicroSDXC memory card slot (card not included) |

#### • General

|                            |                                                                 |
|----------------------------|-----------------------------------------------------------------|
| Power Source / Consumption | DC 12V / 7W; PoE Class 3 (IEEE802.3af) / 12.95W                 |
| Weight                     | 360 g (0.7956 lb)                                               |
| Dimensions (W x H x D)     | 125 x 58 x 62 mm (4.92" x 2.28" x 2.44" )                       |
| Environmental Casing       | Optional housing (IP 66 rated)                                  |
| Mount Type                 | Wall Mount, Ceiling Bracket, Corner Mount, Pole Mount           |
| Starting Temperature       | -10°C ~ 50°C (14°F ~ 122°F)                                     |
| Operating Temperature      | -10°C ~ 50°C (14°F ~ 122°F)                                     |
| Operating Humidity         | 10% ~ 90% RH                                                    |
| Approvals                  | CE (EN 55022 Class A, EN 55024), FCC (Part15 Subpart A Class B) |

#### • 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)<br>Safari with QuickTime installed, and other browsers with VLC installed (partial functionality) |

\* 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)

