

I42

2MP Zoom Bullet with D/N, Adaptive IR, Extreme WDR, ELLS, 36x Zoom Lens



- 2 Megapixel
- Day & Night with Extreme Low Light Sensitivity and Adaptive IR LED
- 36x Zoom Lens with f4.6-165.6mm/F1.55-F5.0, DC iris, Auto focus
- Extreme WDR
- Event trigger, response and notification

► Specifications

Device

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|--------------------------|--|
| Product Type | Zoom Bullet |
| Maximum Resolution | 2MP |
| Application Environment | Outdoor |
| Image Sensor | Progressive Scan CMOS |
| Sensor Size | 1/2.8 " |
| Effective Pixels | 1945(H) X 1097(V) (2.13 MP) |
| Day / Night | Yes |
| Low Light Sensitivity | Extreme |
| Minimum Illumination | Color: 0.002 lux at F1.55; B/W: 0.001 lux at F1.55; B/W: 0 lux (IR LED on) |
| Color to B/W Switch | ISP based switch, configurable |
| Mechanical IR Cut Filter | Yes |
| IR Sensitivity Range | 700-1100nm |
| IR LED | Adaptive IR LED x 27 (850 nm) |
| IR Working Distance | 40m |
| Electronic Shutter | 1-1/64000 second (manual mode); 1-1/64000 second (auto mode) |

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| Horizontal Resolution (TV Lines) | 1800 TVL |
| S/N Ratio | 75 dB |

Lens

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|--------------------------|---|
| Focal Length | Zoom, f4.6-165.6mm |
| Aperture | F1.55-F5.0 |
| Zoom Ratio | 36x optical zoom |
| Zoom Application | Camera Installation, Auto Zoom by Event, Manual Operation |
| Iris | DC iris |
| Focus | Auto focus |
| Lens Mount | Board mount |
| Horizontal Viewing Angle | 62.7° - 2.7° |
| Vertical Viewing Angle | 38.5° - 1.6° |

PTZ

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| Absolute Position | Yes |
| Pan, Tilt or Zoom protocol | Visca, Pelco-D, Pelco-P, ACTi URL command |

Video

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|--------------------------------------|---|
| Compression | H.264 (Baseline/ Main/ High profile), MJPEG |
| Maximum Frame Rate vs. Resolution | (60Hz) 60 fps at 1920 x 1080 60 fps at 1280 x 720 30 fps at 640 x 480 30 fps at 320 x 240 (50Hz) 50 fps at 1920 x 1080 50 fps at 1280 x 720 25 fps at 640 x 480 25 fps at 320 x 240 |
| High Frame Mode | Support |
| Multi-Streaming | Simultaneous triple streams based on configurations of video resolution, compression format, and frame rate |
| Bit Rate | 128Kbps - 12Mbps (per stream) |
| Bit Rate Mode | Constant, Variable |
| Wide Dynamic Range | Extreme WDR (145 dB) |
| Image Enhancement | White Balance, Brightness, Contrast, Sharpness, Automatic gain control, Flickerless, Digital Image Stabilizer (DIS, EIS), Defogging |
| Digital Noise Reduction | 2D + 3D DNR |
| Privacy Mask | 20 configurable 3D privacy masks |
| Text Overlay | Yes |
| On-Screen Graphics (Picture Overlay) | Yes |
| Built-in Analytics | Basic Face Detection, Object Based Motion Detection, Tampering Detection, Shock Detection, Object Line Crossing Detection, Object Enter Area Detection, Missing Object Detection, Unattended Object Detection, Object Loitering Detection |

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|------------------------|---|
| Server-based Analytics | Object Line Counting, People Counting, Face Detection, Object Based Motion Detection, Tamper, Object Line Crossing Detection, Object Enter Area Detection, Missing Object Detection, Unattended Object Detection, Smoke Detection, Heat Map, Dwell Time, Direction Detection, Automatic License Plate Recognition, People Queue Detection, (Require PC-based or standalone IVS or ALPR Server. Contact ACTi support for recommendations on how to maximize analytical accuracy) |
| Image Orientation | Rotation (Corridor mode) |
| IVS performance | Certain algorithms may require more computing power, which may limit the number of algorithms that can be concurrently used in the camera. Please test the actual performance before using in a project. |

Audio

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| Audio Type | 2-way, Line-in, Line-out |
| Audio Compression | 8 kHz, 16 bit encoding, Mono, PCM, G.711 |

Network

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| 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, IEEE 802.1X |
| Ethernet Port | 1 x RJ-45 pigtail connector |
| Security | IP address filtering, HTTPS encryption, Password protected user level, Anonymous login, IEEE 802.1X network access control, Standard IoT Security (anti-hacking, anti-malware) |

Video Analytics

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| Analysis Source Type | Video |
| Metadata Accuracy | Standard |

Event

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| Event Trigger | Video motion detection (10 included and excluded polygonal regions), External device through digital input, Sound detection, Intelligent event detection, Video streams loss, System log buffer overrun, Remove system log, Logon events (Login Failure, Login Success, Block an Account) |
| Event 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, Change video resolution and frame rate |

System

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| System Monitor | CPU loading, memory usage and network statistics via API |
| System Log | Support |
| Watchdog | Support |

Integration

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| Unified Solution | Fully compatible with ACTi software |
| GPS Position | Manual setting |
| Edge Recording | Support (integration with NVR by ONVIF Profile G or proprietary protocol)** |
| ONVIF Compliant | Yes, Profile S, Profile G, Profile T, Profile Q, Profile M* (To be available through future firmware upgrade) |
| Web Browser | IE 11, Google Chrome, Microsoft Edge, Apple Safari |

Auto Firmware Upgrade | Yes

Interface

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| Local Storage | MicroSD, MicroSDHC, MicroSDXC Memory Card Slot (card not included, up to 256GB, Kingston or Sandisk only) |
| Digital Input/Output | 1/1 |
| Operating Button | Reset Button |

General

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| Power Source | DC 12V, PoE Class 3 (IEEE802.3af) |
| Power Consumption | 12.6 W (PoE, heater and IR on), 10.3 W (DC, heater and IR on) |
| Weight | 2257g (4.98lb) |
| Dimensions | (W x H x D): 122.4mm x 124.1mm x 362.6mm (4.82" x 4.89" x 14.28") |
| Environmental Casing | Weatherproof (IP66), Vandal proof metal casing (IK10) |
| Corrosion Protection | Ordering Number: I42-K1. Chassis corrosion resistance at the seashore approximately 10 years. |
| Bundled Accessories | Integrated bracket |
| Mount Type | Wall Mount, Ceiling Bracket, Pole Mount, Gang Box |
| Heater | Yes |
| Starting Temperature | -30°C ~ 50°C (-22°F ~ 122°F) within 30 minutes |
| Operating Temperature | -40°C ~ 50°C (-40°F ~ 122°F) |
| Approvals | CE Class B, FCC Class B, EAC, IP66, IK10 (metal casing), NEMA 4X, UL (for optional PoE injector and power adapter) |
| Real-time Clock (RTC) | Yes |
| Warranty | 3 Year(s). For extended warranty offering, see http://www.acti.com/support/warranty |

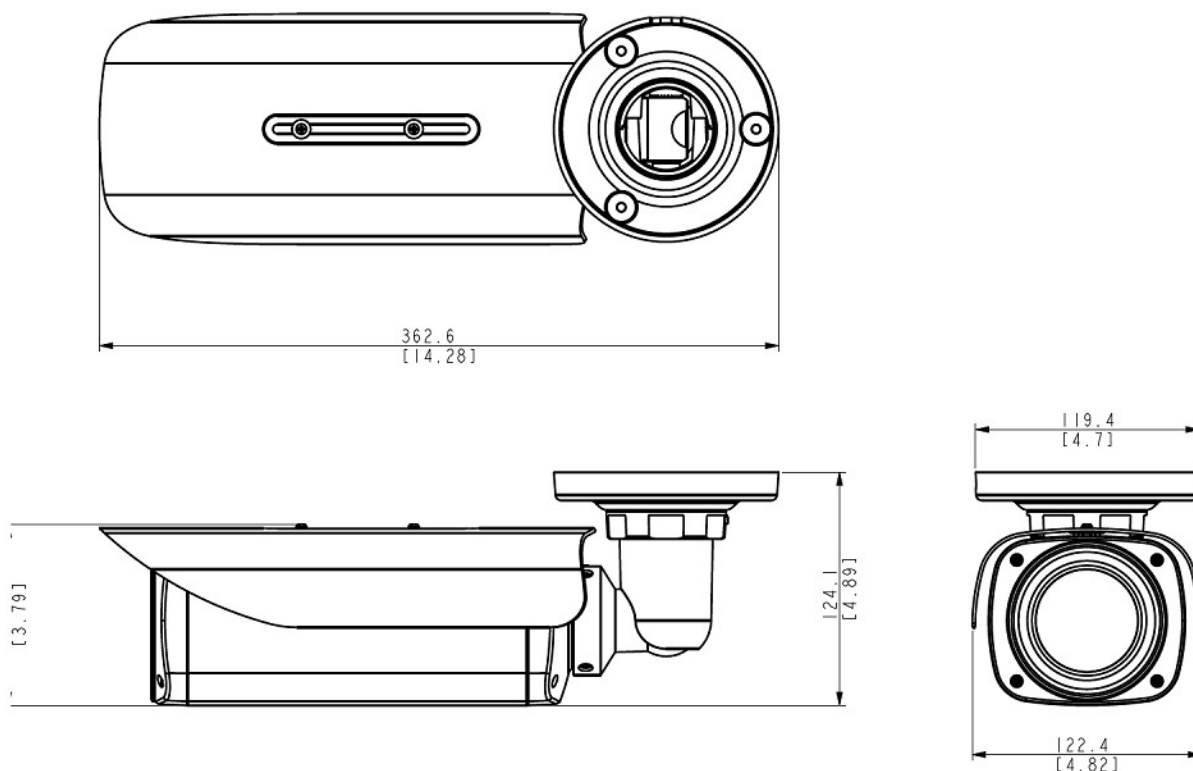
** Edge Recording function is integrated with NVR 3 Corporate / NVR 3 Business / INR / GNR series.

► Photo Indication



- 1 Ethernet Port
- 2 Audio Input / Output
- 3 DC 12V Power Input
- 4 Reset Button
- 5 Digital Input/Output
- 6 Memory Card Slot (inside the back panel cover)









► Dimension Diagram



Unit: mm [inch]

► Related Products

Mounting Accessories - Camera Mount


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| PMAX-0504 |  | Pole Mount (for B4x, B41x, E44, E45, E46, E48, E44A, E45A, E46A, E41x, I4x, PMAx-0330), supports 3.25" to 7.0" Poles |
| PMAX-0505 |  | Pole Mount (for B4x, B41x, E44, E45, E46, E48, E44A, E45A, E46A, E41x, I4x, PMAx-0312, PMAx-0313, PMAx-0314, PMAx-0330), supports 2" to 3" Poles |
| PMAX-0508 |  | Pole Mount (for PMAx-0203, PMAx-0204, PMAx-0205, PMAx-0206, PMAx-0704), supports 3" to 9" Poles |
| PMAX-0512 |  | Pole Mount (for E39, PMAx-0706), supports 3.25" to 7.0" Poles |
| PMAX-0704 |  | Junction Box (for A4x, B4x, B41x, E44, E45, E46, E48, E44A, E45A, E46A, E41x, I4x, PMAx-0203~PMAx-0205) |
| PMAX-0706 |  | Junction Box (for A3x, A4x, E39, E41x, PMAx-0805) |
| PMAX-0806 |  | Gang Box Converter (for B4x, E39, E44, E45, E46, E44A, E45A, E46A), supports 4" Round and 4" Octagon Boxes |
| R706-00006 |  | Back Bracket with Pre-installed (For B41x, B43, I42, I48, E413, E415, E417) |

Note: Some mounting accessories may need additional accessories for installation. Please check www.acti.com/mountingselector for more information.





Bullet Covers - Front Cover

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| R700-00008 |  | Front Cover (for B415, B416, I42, I48) |
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Power Supply Accessories - Power Adapter

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| PPBX-0011 |  | Power Adapter AC 100~240V, with universal connectors for all DC12V powered devices |
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Network & Storage Peripherals - Data Switch

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| PPSW-0102 |  | PLANET FGSD-1011HP 8-Port 802.3at PoE Switch (PoE Budget 120W) |
| PPSW-0105 |  | PLANET GS-4210-8P2C 8-Port Gigabit 802.3at Managed PoE Switch (PoE Budget 120W) |
| PPSW-1101 |  | PLANET GS-4210-24PL4C 24-Port Gigabit 802.3at Managed PoE Switch (PoE Budget 440W) |
| PPSW-3100 |  | PLANET FGSW-1816HPS 16-Port 802.3at PoE Switch (PoE Budget 220W) |

Extenders - PoE Extender

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| PPEX-0100 |  | Veracity OUTREACH Max Power over Ethernet (PoE) Extender |
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Extenders - PoE over Coaxial Extender Kit

PPOC-0100



Planet LRP-101C-KIT Power over Coax Adapter Kit

Audio Devices - Microphone

PMIC-0100



Active Microphone Omnidirectional for all Cameras with Line-in Audio

Illuminators - IR LED Illuminator

PLED-0200



SPINLUX (SL-A2IRXX10-24CL) IR Illuminator 10° Angle with 120 m approx. range

PLED-0201



SPINLUX (SL-A2IRXX25-24CL) IR Illuminator 25° Angle with 50 m approx. range

Other Accessories - Camera Part

R716-00001



Sunshield (for B4x, I4x)