

E217

2MP with D/N, Extreme WDR, SLLS,



- 2 Megapixel
- Day & Night with Superior Low Light Sensitivity
- Fixed Lens with f2.93mm/F2.0
- Extreme WDR
- Super wide angle
- Built-in Analytics
- Event trigger, response and notification

► Specifications

Device

| | |
|----------------------------------|--|
| Product Type | Box |
| Maximum Resolution | 2MP |
| Application Environment | Indoor/Outdoor |
| Image Sensor | Progressive Scan CMOS |
| Sensor Size | 1/2.8 " |
| Effective Pixels | 1944(H) X 1224(V) (2.38 MP) |
| Day / Night | Yes |
| Low Light Sensitivity | Superior |
| Minimum Illumination | Color: 0.1 lux at F2.0 (30 IRE , 2400 K); B/W: 0.05 lux at F2.0 (30 IRE, 2400 K) |
| Color to B/W Switch | ISP based switch, configurable |
| Mechanical IR Cut Filter | Yes |
| IR Sensitivity Range | 700-1100nm |
| IR LED | No |
| Electronic Shutter | 1/5-1/2000 second (manual mode); 1/5-1/10000 second (auto mode) |
| Horizontal Resolution (TV Lines) | 1100 TVL |

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|-----------|-------|
| S/N Ratio | 56 dB |
|-----------|-------|

Lens

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|--------------------------|---------------------------------|
| Focal Length | Fixed focal, f2.93mm |
| Aperture | F2.0 |
| Iris | Fixed iris |
| Focus | Manual focus |
| Lens Mount | CS Mount (interchangeable lens) |
| Horizontal Viewing Angle | 101.3° |
| Vertical Viewing Angle | 54.3° |

PTZ

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|----------------------------|-------------------------|
| Pan, Tilt or Zoom protocol | Visca, Pelco-D, Pelco-P |
|----------------------------|-------------------------|

Video

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|-----------------------------------|---|
| Compression | H.264 (Baseline/ Main/ High profile), MJPEG |
| Maximum 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 |
| High Frame Mode | Support |
| Multi-Streaming | Simultaneous triple streams based on three configurations |
| Bit Rate | 28Kbps - 6Mbps (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 | 4 configurable regions |
| Text Overlay | Yes |
| Built-in Analytics | Basic Face Detection, Object Based Motion Detection, Tampering Detection, Object Line Crossing Detection, Object Enter Area Detection, Missing Object Detection, Unattended Object Detection, Object Loitering Detection |
| 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, 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 | TCP, UDP, HTTP, HTTPS, DHCP, PPPoE, RTP, RTSP, IPv6, DNS, DDNS, NTP, ICMP, ARP, IGMP, SMTP, FTP, UPnP, SNMP, Bonjour |
| Ethernet Port | 1 x RJ-45 connector |
| Security | IP address filtering, HTTPS encryption, Password protected user level, Anonymous login, IEEE 802.1X network access control |

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 polygons regions), External device through digital input, Sound detection, Intelligent event detection, |
| Event Response | Notify control center, Change camera settings, Command other devices, E-mail notification with snapshots, 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 |

Integration

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|-----------------------------|--|
| Unified Solution | Fully compatible with ACTi software |
| Software Development Kit | Yes |
| GPS Position | Manual setting |
| ONVIF Compliant | Yes, Profile S, Profile G, Profile T, Profile Q |
| Web Browser | IE 11 |
| Auto Firmware Upgrade | Yes |
| SD Card Backup and Recovery | Automatically back up the video recordings from the memory card of camera to NVR 3 server with recovering lost videos after network connection recovery. |

Interface

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|----------------------|--|
| Serial Port | 1, RS-485/RS-422, Terminal block |
| Audio Interface | Terminal block |
| Auto Iris Connector | External connector for DC iris lens |
| Local Storage | MicroSDHC, MicroSDXC Memory Card Slot (card not included, up to 256GB) |
| 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 | 7 W (PoE) |
| Weight | 425g (0.937lb) |
| Dimensions | (W x H x D): 67mm x 65mm x 142mm (2.6" x 2.6" x 5.6") |
| Environmental Casing | Optional housing (IP66) |
| Mount Type | Bracket, Pole Mount, Corner Mount |
| Starting Temperature | -10°C ~ 50°C (14°F ~ 122°F) |

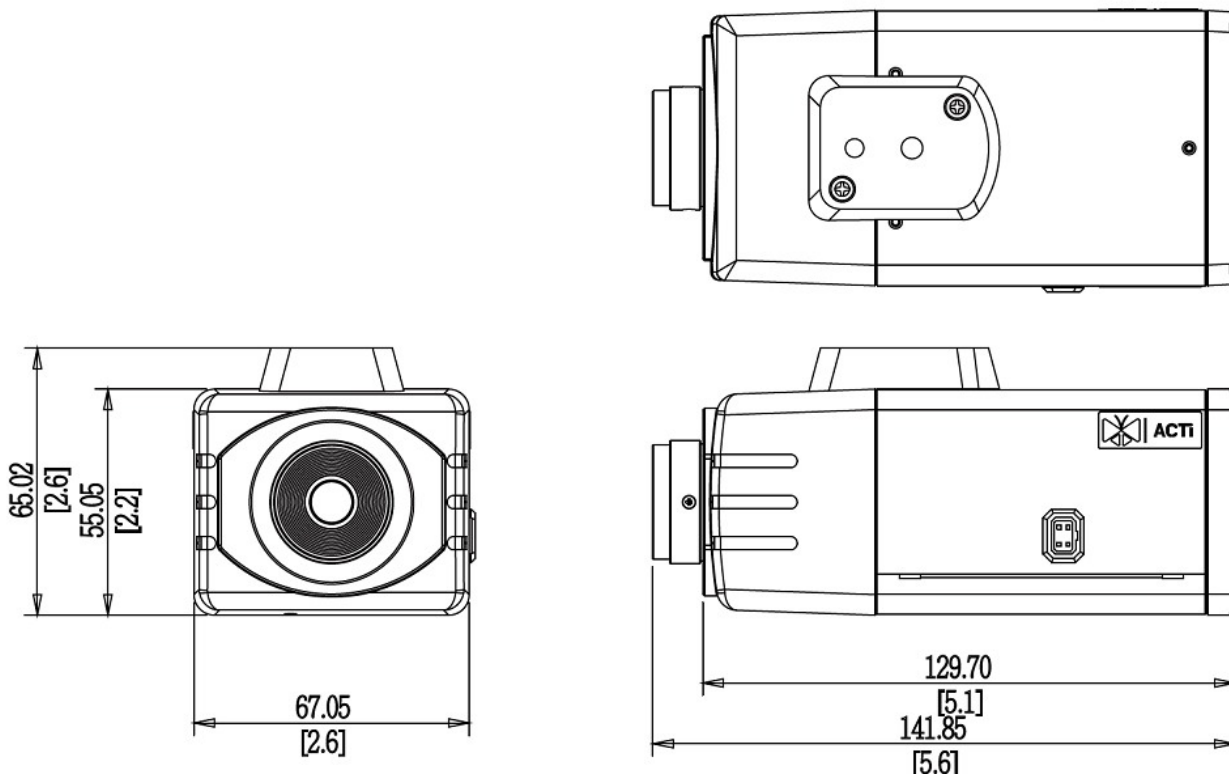
| | |
|-----------------------|--|
| Operating Temperature | -10°C ~ 50°C (14°F ~ 122°F) |
| Operating Humidity | 10% - 85% RH |
| Approvals | CE Class B, FCC Class B, EAC, UL (for optional PoE injector) |
| Real-time Clock (RTC) | Yes |
| Warranty | 3 Year(s). For extended warranty offering, see http://www.acti.com/support/warranty |

▶ Photo Indication



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







▶ Dimension Diagram



Unit: mm [inch]









▶ Related Products

Mounting Accessories - Camera Mount


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|-----------|---|--|
| PMAX-0402 |  | Corner Mount |
| PMAX-0503 |  | Pole Mount (for PMAX-0102, PMAX-0312, PMAX-0313, PMAX-0314, PMAX-0702, PMAX-1106, PMAX-1107), supports 5.25" to 8.5" Poles |
| PMAX-0508 |  | Pole Mount (for PMAX-0203, PMAX-0204, PMAX-0205, PMAX-0206, PMAX-0704), supports 3" to 9" Poles |
| PMAX-0704 |  | Junction Box (for A4x, B4x, B41x, E44, E45, E46, E48, E44A, E45A, E46A, E41x, I4x, PMAX-0203~PMAX-0205) |
| PMAX-1100 |  | Bracket for Indoor Box Cameras |
| PMAX-1106 |  | Bracket for Outdoor Box Cameras (KCM-5211E, KCM-5511, KCM-5611, Box Cameras with Outdoor Housing) |

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

Enclosures - Box Camera Housing

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|-----------|---|---|
| PMAX-0200 |  | Outdoor Housing with Heater and Fan (110V) |
| PMAX-0201 |  | Outdoor Housing with Heater and Fan (220V) |
| PMAX-0202 |  | Outdoor Housing |
| PMAX-0203 |  | Heavy Duty Outdoor Housing with Heater and Fan (230V) and Bracket |
| PMAX-0204 |  | Heavy Duty Outdoor Housing with Heater and Fan (110V) and Bracket |
| PMAX-0206 |  | PoE Heavy Duty Outdoor Housing with Heater, Fan, Defogger and Bracket |
| PMAX-0208 |  | Explosion Proof Housing with Heater, Fan (AC 110V~220V) and Bracket |
| PMAX-0210 |  | Stainless Steel Housing with Heater, Fan (AC 110V~220V) and Bracket |

Lenses - Fixed Lens

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|-----------|---|---|
| PLEN-0130 |  | Fixed Focal f2.93mm, Fixed Iris F2.0, Manual Focus, D/N, Megapixel, CS Mount Lens |
|-----------|---|---|

Power Supply Accessories - Power Adapter

PPBX-0011



Power Adapter AC 100~240V, with universal connectors for all DC12V powered devices

Network & Storage Peripherals - Data Switch

PPSW-0100



PLANET FGSD-910HP 8-Port 802.3at PoE Switch (PoE Budget 120W)

PPSW-0101



PLANET GS-4210-8P2T2S 8-Port Gigabit 802.3at Managed PoE Switch (PoE Budget 240W)

PPSW-0102



PLANET FGSD-1011HP 8-Port 802.3at PoE Switch (PoE Budget 120W)

PPSW-1101



PLANET GS-4210-24PL4C 24-Port Gigabit 802.3at Managed PoE Switch (PoE Budget 440W)

PPSW-2101



4-Port 802.3at PoE Switch (PoE Budget 62W)

PPSW-3100



PLANET FGSW-1816HPS 16-Port 802.3at PoE Switch (PoE Budget 220W)

Extenders - PoE Extender

PPEX-0100



Veracity OUTREACH Max Power over Ethernet (PoE) Extender

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

PLED-0202



SPINLUX (SL-A2IRXX35-24CL) IR Illuminator 35° Angle with 25 m approx. range

Other Accessories - Accessory Part

R707-10000



Mounting Block (for D2x, E2x, B2x, I2x)

Product Demo - Camera Demo Kit

PCDK-0001



Camera Demo Kit Rack Box (350 x 550 x 140 mm) for all cameras except Mini Domes

Installation Support - Camera Installation Kit

PMON-1001-010



Camera Installation Kit for use with iOS Device with belt bag, battery and charger (US, AC 110~240V)

PMON-1001-011



Camera Installation Kit for use with iOS Device with belt bag, battery and charger (Europe, AC 110~240V)

PMON-2000



Camera Installation Kit