# B64

## 1.3MP 3x Indoor Zoom Dome with IR LED 40m, WDR 88dB




- 1.3 Megapixel, 3x,
- IR LED 40m
- Color Min. Illumination 0.003 lux
- Frame Rate 60fps

## Specifications

### Product Profile

| | |
|---|---|
| Product Type | Zoom Dome |
| Application Environment | Indoor |
| Maximum Resolution | 1.3MP |
| Image Sensor | Progressive Scan CMOS |
| Sensor Size | 1/3 " |
| Effective Pixels | 1280(H) X 960(V) (1.23 MP) |
| Day / Night | Yes |
| Low Light Sensitivity | Superior |
| Minimum Illumination | Color: 0.003 lux at F1.2; B/W: 0 lux (IR LED on) |
| Mechanical IR Cut Filter | Yes |
| IR Sensitivity Range | 700-1100nm |
| IR LED | Adaptive IR LED x 10 (850 nm) |
| IR Working Distance | 40m |
| Color to B/W Switch | ISP based switch, configurable |
| Electronic Shutter | 1/5-1/2000 second (manual mode); 1/5-1/10000 second (auto mode) |

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|---|---|
| Horizontal Resolution (TV Lines) | 1400 TVL |
| S/N Ratio | 75 dB |

## Lens

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|---|---|
| Focal Length | Zoom, f3.0-9mm |
| Aperture | F1.2-F2.1 |
| Zoom Ratio | 3x 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 | 90.6° - 31.8° |
| Vertical Viewing Angle | 67.6° - 24.2° |
| Viewing Angle Adjustment | Pan: 0°-350°, Tilt: 5°-175°, Rotation: 0°-350° |

## 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 | 30 fps at 1280 x 960 60 fps at 1280 x 720 30 fps at 800 x 600 30 fps at 640 x 480 15 fps at 320 x 240 |
| Bit Rate | 28Kbps - 6Mbps |
| Bit Rate Mode | Constant, Variable |
| Multi-Streaming | Simultaneous dual streams |
| Digital Noise Reduction | DNR |
| Wide Dynamic Range | Basic WDR (88 dB) |
| Image Orientation | Flip, Mirror |
| Image Enhancement | White Balance, Brightness, Contrast, Sharpness, Automatic gain control (AGC), Flickerless |
| Privacy Mask | 4 configurable regions for each of 17 preset points |
| Text Overlay | Yes |
| On-Screen Graphics (Picture Overlay) | Yes |
| 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) |

## 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 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) |

## Event

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|---|---|
| Event Trigger | Video motion detection (3 regions), External device through digital input, Sound detection, Video streams loss, System log buffer overrun, Remove system log, Logon events (Login Failure, Login Success, Block an Account), SD Card Write Failure |
| Event Response | Notify control center, Go to Zoom preset point or preset tour, Change camera settings, Command other devices, E-mail notification with snapshots, Push notification to mobile device, Save video to storage, Upload video or snapshot to FTP server, Upload video to NVR server, Activate external device through digital output |

## 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 |
| Software Development Kit | Yes |
| GPS Position | Manual setting |
| Edge Recording | Support (integration with NVR by ONVIF Profile G or proprietary protocol)* |
| ONVIF Compliant | Profile S, Profile G, Profile T, Profile Q |
| GB28181 Compliant | Yes |
| Auto Firmware Upgrade | Yes |

## Interface

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|---|---|
| Audio Interface | Terminal block |
| Digital Input/Output | 2/2 |
| Operating Button | Reset Button |

## General

| | |
|---|---|
| Power Source | PoE Class 3 (IEEE802.3af) |
| Power Consumption | 5.8 W (PoE) |
| Weight | 720g (1.587lb) |
| Dimensions | (Ø x H): 146mm x 107mm (5.7" x 4.2") |
| Environmental Casing | Vandal resistant (IK09) |

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|---|---|
| Mount Type | Surface, Gang Box, Flush, Pendant, Converter for NPT Standard Mounts, Wall Mount, 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, non-condensing |
| Approvals | CE Class B, FCC Class B, EAC, IK09, 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.

# Related Products

## Mounting Accessories - Camera Mount

| | | |
|---|---|---|
| PMAX-0102 |  | Straight Tube |
| PMAX-0103 |  | Straight Tube with Bracket |
| PMAX-0104 |  | Extension Tube |
| PMAX-0130 |  | Mount Kit (for A711, A713) |
| PMAX-0302 |  | Gooseneck with Bracket |
| PMAX-0303 |  | Gooseneck |
| PMAX-0305 |  | Heavy Duty Wall Mount |
| PMAX-0313 |  | Heavy Duty Wall Mount for Indoor Domes (for B5x, B6x, D6x, E6x, I5x) |
| 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-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-0702 |  | Junction Box for PTZ and Dome Cameras |

| | | |
|---|---|---|
| PMAX-0804 |  | Gang Box Converter for Outdoor Domes, supports Two-Gang Boxes |
| PMAX-0807 |  | Gangbox Converter (for PMAX-0102, PMAX-0312, PMAX-0313, PMAX-0314, PMAX-0321), supports Two-Gang Boxes |
| PMAX-0808 |  | Converter Ring, 1.5" NPT for Third-Party Mounting Accessories |
| PMAX-1012 |  | Flush Mount Kit (for B6x) |

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

## Dome Covers - Smoked Dome Cover

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|---|---|---|
| PDCX-1109 |  | Vandal Proof Smoked Dome Cover for B6x, B8x, B9x |

## Dome Covers - Dome Cover Shroud

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|---|---|---|
| PDCX-1114 |  | Dome Cover Shroud for B6x, B8x, Q61, Q81 |

## Power Supply Accessories - Power Adapter

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|---|---|---|
| PPBX-0011 |  | Power Adapter AC 100~240V, with universal connectors for all DC12V powered devices |

## Power Supply Accessories - PoE Injector

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|---|---|---|
| PPOE-0107 |  | High PoE Injector IEEE 802.3at compliant, AC 100~240V, with universal connectors (for A416, A418, B913, B923, B934, Q450, Q75, VMGB-60X, Z37, Z71, Z952) |

## Network & Storage Peripherals - Data Switch

| | | |
|---|---|---|
| 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 |

## Extenders - PoE over Coaxial Extender Kit

| | | |
|---|---|---|
| PPOC-0100 |  | Planet LRP-101C-KIT Power over Coax Adapter Kit |

## Audio Devices - Microphone

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|---|---|---|
| PMIC-0100 |  | Active Microphone Omnidirectional for all Cameras with Line-in Audio |

## Illuminators - IR LED Illuminator

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|---|---|---|
| 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 |

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• For product and mounting accessory information, visit: www.acti.com/products and www.acti.com/mountingselector
• All specifications are subject to change without notice.