

Q83

20MP Outdoor Multi-Imager 360 Degree Dome with D/N, Adaptive IR, Superior WDR, SLLS, 2.85x Zoom Lens



- 20 Megapixel
- Day & Night with Superior Low Light Sensitivity and Adaptive IR LED
- Superior WDR
- H.265 Compression
- Built-in Analytics
- Event trigger, response and notification

► Specifications

Device

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| Product Type | Multi-Imager 360 Degree Dome |
| Maximum Resolution | 20MP |
| Application Environment | Outdoor |
| Image Sensor | Progressive Scan CMOS |
| Sensor Size | 1/3 " |
| Effective Pixels | 2608(H) X 1964(V) (5.12 MP) x 4 (Total: 20 MP) |
| Day / Night | Yes |
| Low Light Sensitivity | Superior |
| Minimum Illumination | Color: 0.003 lux; 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 |
| IR Working Distance | 30m |
| Electronic Shutter | 1-1/10000 second (manual mode); 1-1/10000 second (auto mode) |

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| S/N Ratio | 75 dB |
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Lens

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| Number of Lenses | 4 Lenses |
| Focal Length | Zoom, f2.8-8.0mm |
| Aperture | F1.6 |
| Zoom Ratio | 2.85x optical zoom, 10x digital zoom |
| Iris | Auto iris |
| Focus | Auto focus |
| Lens Mount | Board mount |
| Horizontal Viewing Angle | 360° |
| Viewing Angle Adjustment | Pan: ±90°, Tilt: 0°-95°, Rotation: ±90°, Twist: ±20° |

Video

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| Compression | H.265, H.264, MJPEG |
| Maximum Frame Rate vs. Resolution | 30 fps at 2560 x 1920 |
| Multi-Streaming | Simultaneous quad streams |
| Bit Rate Mode | Constant, Variable |
| Wide Dynamic Range | Superior WDR (120 dB) |
| Image Enhancement | White Balance, Brightness, Contrast, Sharpness, Saturation, Backlight compensation (BLC) |
| Digital Noise Reduction | 2D + 3D DNR |
| Privacy Mask | Yes |
| Text Overlay | Yes |
| Built-in Analytics | Deep Learning : Face Recognition, Face Detection, People Detection, Vehicle Detection, Object Based Motion Detection, Tampering Detection, Object Line Crossing Detection, Object Area Counting, Intrusion Detection (Forbidden Area Detection), Missing Object Detection, Unattended Object Detection, Object Loitering Detection, People Counting, People Line Crossing Detection, People Enter Area Detection, People Incorrect Direction Detection, People Loitering Detection, People Tracking, Vehicle Counting, Vehicle Line Crossing Detection, Vehicle Enter Area Detection, Vehicle Incorrect Direction Detection, Vehicle Loitering Detection, Vehicle Tracking, Stopped vehicle detection, License Plate Detection, Automatic License Plate Recognition |

Audio

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| Audio Type | 2-way, Built-in Microphone, Line-in, Line-out |
| Audio Compression | G.711, G.726, AAC, PCM |

Network

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| Network Protocol & Service | IPv4, IPv6, TCP, UDP, DHCP, PPPoE, HTTP, HTTPS, DDNS, NTP, RTP, RTSP, SMTP, FTP, IGMP, ICMP, ARP, UPnP, QoS, SNMP, IEEE 802.1X |
| Ethernet Port | 1 x Ethernet (10/100/1000 Base-T), RJ-45 connector |
| Security | IP address filtering, HTTPS encryption, Password protected user level, IEEE 802.1X network access control |

Event

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| Event Trigger | Video motion detection, External device through digital input, Sound detection, Intelligent event detection |
| Event Response | E-mail notification with snapshots, Save video to local storage, Upload snapshot to FTP server, Activate external device through digital output |

System

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| Watchdog | Support |
| USB | 1-Port USB Type A |

Integration

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| Unified Solution | Fully compatible with ACTi software |
| Edge Recording | Support (integration with NVR by ONVIF Profile G) |
| ONVIF Compliant | Yes, Profile S, Profile G, Profile T, Profile M |
| Web Browser | Microsoft Edge(IE mode), Microsoft Edge, Google Chrome, Firefox |

Storage

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| User Database | User Capacity: 10,000 (up to 5 images per person) |
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Interface









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| Audio Interface | 1/1, Terminal block |
| Local Storage | MicroSD, MicroSDHC, MicroSDXC Memory Card Slot (card not included, up to 256GB, Kingston or Sandisk only), M.2 SSD slot (SSD not included; compliant with SATA 3 interface) |
| Digital Input/Output | 2/2 (Terminal block) |

General

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| Power Source | DC 24V, AC 24V, PoE Class 6 (IEEE802.3bt) |
| Weight | 2400g (5.29lb) |
| Dimensions | (Ø x H): 255mm x 105mm (10.04" x 4.13") |
| Environmental Casing | Weatherproof (IP66), Vandal proof (IK10) |
| Corrosion Protection | Optional for project request. Chassis corrosion resistance at the seashore approximately 2-3 years. |
| Mount Type | Wall Mount, Pole Mount, Pendant, Corner Mount |
| Operating Temperature | -40°C ~ 60°C (-40°F ~ 140°F) |
| Approvals | CE Class A, FCC Class A, IP66, IK10 |

▶ Related Products**Mounting Accessories - Camera Mount**

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| PMAX-0115 |  | Pendant Mount (for A950, A951, A952, A956, Z950, Z952) |
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| PMAX-0116 |  | Straight Tube, 200 mm (for Z950) |
| PMAX-0117 |  | Straight Tube (for Z950, Z952) |
| PMAX-0346 |  | Heavy Duty Wall Mount with Converter Ring (for Q75, A950, A951, A952, A956) |
| PMAX-0402 |  | Corner Mount |
| PMAX-0531 |  | Pole mount for A951 |
| PMAX-0702 |  | Junction Box for PTZ and Dome Cameras |
| PMAX-1034 |  | Flush Mount for Q83 |
| PMAX-1404 |  | Mount Kit for Q83 |

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

Power Supply Accessories - Power Adapter

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| PPBX-0022 |  | Power Adapter for A951 |
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Power Supply Accessories - PoE Injector

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| PPOE-0201 |  | |
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Data Cables - BNC Converter Cable

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| PIOC-0600 |  | |
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