

Q950

6MP f1.65mm Outdoor Door Station with IR LED 5m, WDR 130dB

- 6 Megapixel, f1.65mm Door Station
- Fisheye Lens, f1.65mm/F2.8
- Super wide angle
- Event trigger, response and notification



► Specifications

Product Profile

Product Type	Door Station
Product Application	Door Station, RFID Card Detection
Application Environment	Outdoor
Maximum Resolution	6MP
Description	6MP Outdoor Door Station with D/N, IR, Extreme WDR, SLLS, Fixed lens (f1.65mm)
Image Sensor	Progressive Scan CMOS
Sensor Size	1/1.8 "
Effective Pixels	3096(H) X 2080(V) (6.44 MP)
Day / Night	Yes
Low Light Sensitivity	Superior
Minimum Illumination	Color: 0.003 lux at F2.8; B/W: 0 lux (IR LED on)
Mechanical IR Cut Filter	Yes
IR Sensitivity Range	700-1100nm
IR LED	IR LED x 6 (850 nm)
IR Working Distance	5m



Color to B/W Switch	ISP based switch, configurable
Electronic Shutter	1/5-1/64000 second (manual mode); 1/5-1/64000 second (auto mode)
Horizontal Resolution (TV Lines)	1800 TVL
S/N Ratio	75 dB

Lens

Focal Length	Fixed focal, f1.65mm
Aperture	F2.8
Iris	Fixed iris
Focus	Fixed focus
Lens Mount	Board mount
Horizontal Viewing Angle	198.5° (overview area) 121.1° (high detail area)
Vertical Viewing Angle	198.5° (Fisheye View)

Video

Compression	H.264 (Baseline/ Main/ High profile), MJPEG
Maximum Frame Rate vs. Resolution	(Fisheye View) 20 fps at 3072 x 2048 30 fps at 2048 x 2048 20 fps at 1280 x 960 30 fps at 1024 x 768 30 fps at 800 x 600 30 fps at 640 x 480 (Dewarped View) 30 fps at 1920 x 1080 30 fps at 1280 x 720 30 fps at 640 x 480
View Mode	Fisheye View Dewarped View
Bit Rate	128Kbps - 12Mbps
Bit Rate Mode	Constant, Variable
Multi-Streaming	Simultaneous triple streams based on configurations of video resolution, compression format, and frame rate
Digital Noise Reduction	2D + 3D DNR
Wide Dynamic Range	Extreme WDR (130 dB)
Image Enhancement	White Balance, Brightness, Contrast, Sharpness, Automatic gain control (AGC), Flickerless, Defogging
Privacy Mask	4 configurable regions
Text Overlay	Yes
Built-in Analytics	Shock 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, 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)

Audio

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

Network

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

Event Trigger	Passive IR sensor, Touch button, RFID detection (Detect a RFID card, Hit RFID black list, Hit RFID white list), External device through digital input, Sound detection, Shock Detection
Event Response	Notify control center, Change camera settings, Command other devices, E-mail notification with snapshots, Play the audio file, Push notification to mobile device, Save video to storage, Upload video to NVR server, Upload video or snapshot to FTP server, Activate external device through digital output, Change LED indicators
Event Log	15000

System

Watchdog	Support
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Access Control Functionality

Member Management	Allowlist (up to 3000 RFID cards), Denylist (up to 3000 RFID cards)
Access Mode	Card only
Wiegand Format	Wiegand 26

RFID Card

Card Function	Read-only
RFID Frequency	13.56 MHz
RFID Standard	NFC Type 1, ISO/IEC 14443A NFC Type 2, ISO/IEC 14443A NFC Type 3, ISO/IEC 18092 NFC Type 4, ISO/IEC 14443 (Type A/B) NFC Type 5, ISO/IEC 15693

Integration

Unified Solution	Fully compatible with ACTi software, Access Control Smart Server
Software Development Kit	Yes
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*
Web Browser	IE 11, Microsoft Edge(IE mode), Google Chrome*, Microsoft Edge*, Apple Safari*
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

Serial Port	1 x RS-485/RS-422
Audio Interface	Terminal block

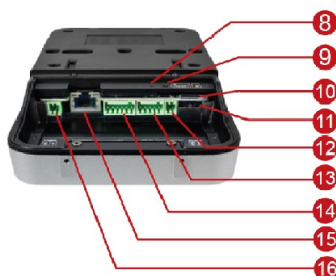
Digital Input/Output	1/1
Operating Button	Reset Button

General

Power Source	DC 12V, PoE Class 3 (IEEE802.3af)
Power Consumption	4.2 W (PoE), 3.8 W (DC)
Weight	689g (1.52lb)
Dimensions	(W x H x D): 177.06mm x 110mm x 47.66mm (7.0" x 4.3" x 1.9")
Environmental Casing	Weatherproof (IP66), Vandal resistant (IK09)
Mount Type	Surface, Gang Box (More info: https://www.acti.com/mountingselector)
Starting Temperature	-40°C ~ 50°C (-40°F ~ 122°F)
Operating Temperature	-40°C ~ 50°C (-40°F ~ 122°F)
Approvals	CE Class B, FCC Class B, EAC, IP66, IK09, NEMA 4X, EN50155, 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

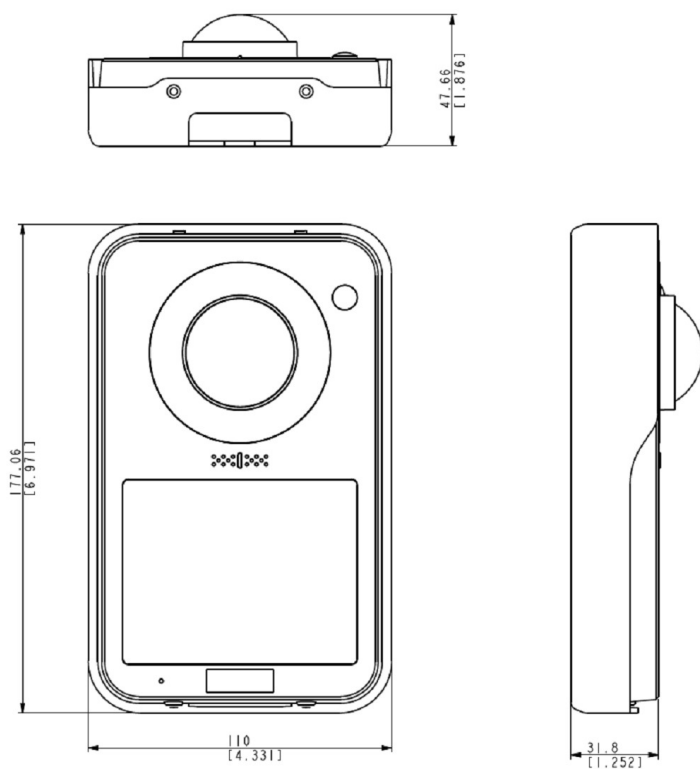
* To be available through future firmware upgrade ** Edge Recording function is integrated with NVR 3 Corporate / NVR 3 Business / INR / GNR series.

► Photo Indication



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|-----------------------|--------------------------|
| 1 IR LEDs | 9 Memory Card |
| 2 Fisheye Lens | 10 Audio Output Switch |
| 3 Built-in Speaker | 11 Audio Output |
| 4 Push Button | 12 Serial Port Connector |
| 5 RFID Reader | 13 Digital Input/Output |
| 6 Built-in Microphone | 14 Network Connector |
| 7 Power LED | 15 Power Input |
| 8 Reset Button | |

► Dimension Diagram



Unit: mm [inch]

▶ Related Products

Dome Covers - Transparent Dome Cover

R701-X0002		Transparent Dome Cover Only (for Q950)
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Network & Storage Peripherals - Data Switch

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

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
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