

# Q950

6MP Door Station Outdoor Intercom with D/N, IR, Extreme WDR, SLLS, Fixed Lens



- 6 Megapixel
- Day & Night with Superior Low Light Sensitivity
- Fixed Lens with f1.65 mm / F2.8
- Extreme WDR
- 30 fps at 2048 x 2048
- 198.5° Fisheye View
- Weatherproof (IP66) and Vandal Resistant (IK09)
- RFID Sensor, Touch Button with LED Indicator, Passive IR Sensor
- Two-way Audio with Built-in Microphone and Speaker

## APPLICATIONS

### Entrance Management

Identify access control through RFID



### Warehouse Management

Prompt response with mobile client

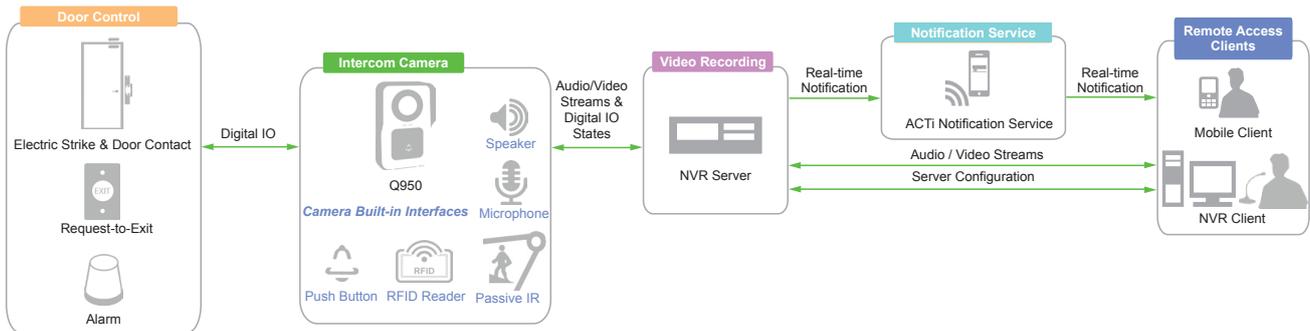


### Quarantine and Isolation

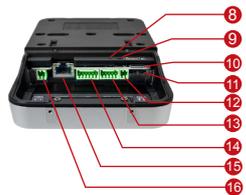
Disease and illness control



## SOLUTION ARCHITECTURE

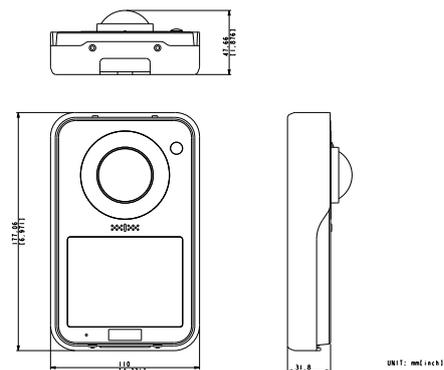


## PHOTO INDICATION



- |                     |                       |                           |                |
|---------------------|-----------------------|---------------------------|----------------|
| 1 Passive IR Sensor | 6 RFID Reader         | 11 Audio Output Switch    | 16 Power Input |
| 2 IR LEDs           | 7 Built-in Microphone | 12 Audio Output           |                |
| 3 Fisheye Lens      | 8 Power LED           | 13 Serial Port Connector  |                |
| 4 Built-in Speaker  | 9 Reset Button        | 14 Digital Input / Output |                |
| 5 Push Button       | 10 Memory Card        | 15 Network Connector      |                |

## DIMENSION DIAGRAM



## PRODUCT SPECIFICATION

## Q950

## • Device

Device Type	Door Station
Image Sensor	Progressive Scan CMOS
Sensor Size	1/1.8"
Day / Night	Yes
Effective Pixels	3096 (H) x 2080 (V) (6.44 MP)
Horizontal Resolution	1800 TVL
Low Light Sensitivity	Superior
Minimum Illumination	Color: 0.1 lux at F2.8 (30 IRE, 2400°K), B/W: 0 lux at F2.8 (IR LED on)
Mechanical IR Cut Filter	Yes
IR Sensitivity Range	700-1100 nm
IR LED / IR Distance	IR LED x 6 (850 nm) / 5 m
Electronic Shutter	1/5 ~ 1/16,000 sec (manual mode); 1/5 ~ 1/16,000 sec (auto mode)
S/N Ratio	56 dB

## • Lens

Focal Length / Aperture	Fixed Focal, f1.65 mm / F2.8
Iris	Fixed Iris / 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
Max. Resolution vs. Frame Rate	<b>Fisheye View:</b> 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 <b>Dewarped View:</b> 30 fps at 1920 x 1080; 30 fps at 1280 x 720; 30 fps at 640 x 480
Multi-Streaming	Simultaneous triple streams based on three configurations
Bit Rate	128 Kbps - 12 Mbps (per stream)
Bit Rate Mode	Constant, Variable
Image Enhancement	Extreme WDR (130 dB), White Balance: Automatic, Hold, and Manual, Brightness, Contrast, Sharpness, Auto Gain Control, 2D+3D Digital Noise Reduction, Flickerless, Defogging
Privacy Mask	4 configurable regions
Text Overlay	User defined text on video
Built-in Analytics	Shock Detection

## • Audio

Compression	8 kHz, 16 bit encoding, Mono, PCM, G.711
Audio-In / Out	Built-in Microphone, Built-in Speaker, Line-in, and Line-out

## • 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, Ethernet (10/100 Base-T), RJ-45 connector
Security	IP Address Filtering, HTTPS Encryption, Password Protected User Levels, Anonymous Login, IEEE 802.1X Network Access Control

## • Alarm

Alarm Trigger	Passive IR Sensor, Touch Button, RFID Detection, Sound Detection, External Device through Digital Input
Alarm Response	Notify Control Center, Change Camera Settings, Command Other Devices, E-mail Notification with Snapshots, Play Audio File, Save Video to Local Storage, Upload Video or Snapshot to FTP Server, Activate External Device through Digital Output, Change LED Indicators

## • Interface

Local Storage	MicroSDHC, MicroSDXC memory card slot (card not included)
Compatible RFID Card	13.56MHz, ISO/IEC 14443-3 (Type A/B), ISO/IEC 15693, ISO/IEC 18000-3M1, NFC Forum (Type 1/2/3/4)
Touch Button with LED Indicator	Bell button for sending notification
Digital Input	1, Terminal Block
Digital Output	1, Terminal Block

## • General

Power Source / Consumption	PoE Class3 (IEEE802.3af) / 4.2 W DC 12V / 3.8 W
Weight	689 g (1.52 lb)
Dimensions (W x H x D)	177.6 mm x 110 mm x 47.66 mm (7.0" x 4.3" x 1.9")
Environmental Casing	Weatherproof (IP66 rated), Vandal Resistant (IK09 rated)
Mount Type	Surface, Gang Box
Starting / Operating Temperature	-40°C ~ 50°C (-40°F ~ 122°F) / -40°C ~ 50°C (-40°F ~ 122°F)
Operating Humidity	10% ~ 85% RH
Approvals	CE (EN 55022 Class B EN55024), FCC (Part15 Subpart B Class B), IP66, IK09, NEMA 4X, UL (for optional PoE injector and power adapter)

## • Integration

Unified Solution	Fully compatible with ACTi software
ISV Integration	Software Development Kit (SDK) available; ONVIF compliant (Profile S, Profile G)
Firmware Access Browser	Microsoft Internet Explorer 11
Auto Firmware Upgrade	Yes
GPS Position	Manual Setting