

Q550

**8MP (2x4MP) Deep Learning AI ColorGuard
Outdoor 2-Sensor 180° Turret with IR LED
30m, White LED 30m, Smart Dual Light,
WDR 130dB**



- 8 Megapixel, f4.0mm 2-Sensor 180° Turret
- Deep Learning AI, ColorGuard
- Smart Dual Light
- Built-in Analytics
- Event trigger, response and notification

► Specifications

Product Profile

Product Type	2-Sensor 180° Turret
Application Environment	Outdoor
Maximum Resolution	8MP
Image Sensor	Progressive Scan CMOS (4MP x2)
Sensor Size	1/2.7 "
Day / Night	Yes
Low Light Sensitivity	Superior
ColorGuard	Yes
Minimum Illumination	Color: 0.0005 lux at F1.0 (AGC on)
Mechanical IR Cut Filter	Yes
IR LED	Adaptive IR LED (850 nm)
IR Working Distance	30m
White LED	Yes
White LED Working Distance	30m
Smart Dual Light	Yes

Electronic Shutter	1-1/100000 second (manual mode); 1-1/100000 second (auto mode)
S/N Ratio	75 dB

Lens

Number of Lenses	2 Lenses
Focal Length	Fixed focal, f4.0mm
Aperture	F1.0
Iris	Fixed iris
Horizontal Viewing Angle	180°
Vertical Viewing Angle	47.41°
Viewing Angle Adjustment	Pan: 0°-360°, Tilt: 0°-75°, Rotation: 0°-360°

Video

Compression	H.265 Adaptive Stream (equivalent to Zip or Smart Stream or H.265+), H.264 (Baseline/ Main/ High profile), MJPEG
Maximum Frame Rate vs. Resolution	20 fps at 4096 x 1860 20 fps at 1200 x 536 20 fps at 2048 x 936
Multi-Streaming	Simultaneous dual streams
Digital Noise Reduction	2D + 3D DNR
Wide Dynamic Range	Extreme WDR (130 dB)
Image Enhancement	White Balance, Backlight compensation (BLC), Defogging
Text Overlay	Yes
Video Stitching	Seamless Video Stitching Minimum Stitching Distance: 200 cm
Built-in Analytics	Smart Motion Detection (People Detection, Vehicle Detection), Smart Intrusion Protection (, People Line Crossing Detection, People Intrusion Detection, People Enter Area Detection, People Exit Area Detection, Vehicle Line Crossing Detection, Vehicle Intrusion Detection, Vehicle Enter Area Detection, Vehicle Exit Area Detection), Tampering Detection, People Counting, Crowd Detection

Analytics

Deep Learning AI	2.0
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Audio

Audio Type	2-way, Built-in Microphone, Built-in Speaker, Line-in, Line-out
Audio Compression	G.711

Network

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

Detection Range

Observation Range	Detection: 63.1m Observation: 25.2m Recognition: 12.6m Identification: 6.3m
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Event

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

Integration

ONVIF Compliant	Yes, Profile S, Profile G, Profile T
Web Browser	IE 11, Google Chrome, Microsoft Edge, Firefox







Interface

Audio Interface	Built-in microphone x2, Built-in Speaker
Digital Input/Output	1/1
Operating Button	Reset Button

General

Power Source	DC 12V, PoE (IEEE802.3af)
Power Consumption	12.95 W (PoE)
Environmental Casing	Weatherproof (IP67), Vandal proof metal casing (IK10)
Operating Temperature	-30°C ~ 60°C (-22°F ~ 140°F)
Surge Protection	4KV
Approvals	CE Class A, FCC Class A, IP67, IK10 (metal casing)
Material	Metal
Real-time Clock (RTC)	Yes

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

PMAX-0128		Pendant Mount (for Z5x, Z724, Z85, Z86, Z87, Z810, Z972, Q550)
PMAX-0323		Wall Mount with Built-in Junction Box (for Z9x, Z724, Z77, Z8x, Z972, A7X, Q550)
PMAX-0409		Corner Mount (for A7x, Z714, Z724, Z8x, Z9x, Z972, Q550)
PMAX-0527		Pole Mount (for Z3x, Z4x, Z5x, Z724, Z8x, Z9x, Z972, A7x, Q550), supports 2.64" to 5" Poles
PMAX-0532		Pole Mount (for Z5x, Z724, Z8x, Z9x, Z972, A7X, Q550), supports 2.6" to 5" Poles
PMAX-0713		Junction box (for Z724, Z81, Z82, Z85, Z86, Z87, Z972, Q550)

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

Power Supply Accessories - Power Adapter

PPBX-0013		Power Adapter AC 100~240V (EU), for A3x, A4x, A88, A9x, Z31, Z8x, Z9x
PPBX-0014		Power Adapter AC 100~240V (UK), for A3x, A4x, A88, A9x, Z31, Z8x, Z9x
PPBX-0026		Power Adapter AC 100~240V (US), for A3x, A4x, A7x, A88, A9x, Z3x, Z4x, Z7x, Z8x, Z9x

Power Supply Accessories - PoE Injector

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)
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