Q22

2MP f2.55mm Outdoor Fixed Box with WDR 75dB



- 2 Megapixel, f2.55mm, Fixed Box
- Color Min. Illumination 0.003 lux
- Weatherproof (IP68), Vandal proof (IK10), NEMA 4X, Vibration proof (EN50155)

Specifications

Product Profile

Product Type	Fixed Box
Application Environment	Outdoor
Maximum Resolution	2MP
Image Sensor	Progressive Scan CMOS
Sensor Size	1/2.8 "
Effective Pixels	1944(H) X 1224(V) (2.38 MP)
Day / Night	No
Low Light Sensitivity	Superior
Minimum Illumination	Color: 0.003 lux at F2.2
Mechanical IR Cut Filter	No
Horizontal Resolution (TV Lines)	1100 TVL
S/N Ratio	75 dB

Lens

Focal Length	Fixed focal, f2.55mm
Aperture	F2.2

Iris	Fixed iris
Focus	Fixed focus
Lens Mount	RJ12 connector up to 3m from main unit
Horizontal Viewing Angle	110.3°
Vertical Viewing Angle	61.3°

Video

Compression	H.264 (Baseline/ Main/ High profile), MJPEG
Maximum Frame Rate vs. Resolution	30 fps at 1920 x 1080 30 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 (75 dB)
Privacy Mask	4 configurable regions
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, 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, Mic-in, 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	Video motion detection (3 regions), External device through digital input, Sound detection, SD Card Write Failure
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 or snapshot to FTP server, Upload video to NVR server, Activate external device through digital output

System

System Monitor	CPU loading, memory usage and network statistics via API

Watchdog	Support

Integration

Unified Solution	Fully compatible with ACTi software
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, Profile Q
GB28181 Compliant	Yes
Auto Firmware Upgrade	Yes

Interface

Digital Input/Output	1/1
Operating Button	Reset Button

General

Power Source	DC 12V, PoE Class 2 (IEEE802.3af)
Power Consumption	6.49 W (PoE)
Weight	724g (1.596lb)
Dimensions	Main Unit (W x H x D): 75mm x 100.33mm x 30mm (3.0" x 4.0" x 1.2") Lens Unit (W x H x D): 57.2mm x 34.1mm x 56.5mm (2.3" x 1.3" x 2.2")
Environmental Casing	Weatherproof (IP68), (for Camera module and Lens cable), Vandal proof metal casing (IK10), Vibration proof (EN50155)
Bundled Accessories	Bracket
Mount Type	Desktop Mount, Edge Clamp, Bracket, Pole Mount
Starting Temperature	-20°C ~ 50°C (-4°F ~ 122°F)
Operating Temperature	-30°C ~ 60°C (-22°F ~ 140°F)
Approvals	CE, FCC, EAC, IP68, NEMA 4X, IK10 (metal casing), EN50121-3-2, 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

* Edge Recording function is integrated with NVR 3 Corporate / NVR 3 Business / INR / GNR series.

Photo Indication



1 Camera Module
2 Built-in Microphone
3 LED Indicators
4 Memory Card Slot
5 Digital Input/Output
6 Camera Input
7 Audio Out Volume
8 Ethernet Port
9 Serial Port
10 DC 12V Power Input
11 Reset Button

Main Unit:



Related Products

Mounting Accessories - Camera Mount

PMAX-0510		Pole Mount for Micro Box Cameras, supports 15 ~ 40 mm Poles
PMAX-0901		Desktop Mount Magnetic Base for Micro Box Cameras
PMAX-1110		Gooseneck Bracket for Micro Box Cameras
PMAX-1111		Edge Clamp for Micro Box Cameras
R708-10000		Bundled Bracket for Q22

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

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-3100		PLANET FGSW-1816HPS 16-Port 802.3at PoE Switch (PoE Budget 220W)

Extenders - PoE Extender

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

PMIC-0201		Passive Microphone Omnidirectional for all Cameras with Mic-In Audio using Cable Wire or Terminal Connector, 2m cable