

E99M

3MP f2.1mm Outdoor Fixed Dome with WDR 145dB , M12



- 3 Megapixel, f2.1mm, Fixed Dome
- Extreme WDR (145 dB)
- Color Min. Illumination 0.003 lux
- Frame Rate 60fps
- Weatherproof (IP67), Vandal proof (IK10), NEMA 4X, UL Listed

Specifications

Product Profile

Product Type	Fixed Dome
Application Environment	Outdoor
Maximum Resolution	3MP
Image Sensor	Progressive Scan CMOS
Sensor Size	1/2.8 "
Effective Pixels	2065(H) X 1553(V) (3.21 MP)
Day / Night	No
Low Light Sensitivity	Superior
Minimum Illumination	Color: 0.003 lux at F1.8
Mechanical IR Cut Filter	No
IR Sensitivity Range	700-1100nm
Electronic Shutter	1/5-1/16000 second (manual mode); 1/5-1/16000 second (auto mode)
Horizontal Resolution (TV Lines)	1300 TVL
S/N Ratio	56 dB

Lens

Focal Length	Fixed focal, f2.1mm
Aperture	F1.8
Iris	Fixed iris
Focus	Fixed focus
Lens Mount	Board mount
Horizontal Viewing Angle	117.5°
Vertical Viewing Angle	90°
Viewing Angle Adjustment	Pan: ±30°, Tilt: 0°-90°, Rotation: 0°-360°

Video

Compression	H.264 (Baseline/ Main/ High profile), MJPEG
Maximum Frame Rate vs. Resolution	30 fps at 2048 x 1536 60 fps at 1920 x 1080 60 fps at 1280 x 720 30 fps at 800 x 600 30 fps at 640 x 480 30 fps at 320 x 240
High Frame Mode	Support
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 (145 dB)
Image Orientation	Flip, Mirror, Rotation (Corridor mode)*
Image Enhancement	White Balance, Brightness, Contrast, Sharpness, Automatic gain control (AGC), Flickerless, Defogging
Privacy Mask	4 configurable regions
Text Overlay	Yes
Built-in Analytics	Object Based Motion Detection, Tampering Detection, Shock Detection, Object Line Crossing Detection, Object Enter Area Detection, Missing Object Detection, Unattended Object Detection, Object Loitering 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)
IVS performance	Certain algorithms may require more computing power, which may limit the number of algorithms that can be concurrently used in the camera. Please test the actual performance before using in a project.

Audio

Audio Type	1-way, Built-in Microphone, Mic-in, Line-in
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 M12 connector (female, D-coding, 4-pin, PoE Type A)
Security	IP address filtering, HTTPS encryption, Password protected user level, Anonymous login, IEEE 802.1X network access control

Video Analytics

Analysis Source Type	Video
Metadata Accuracy	Standard

Event

Event Trigger	Video motion detection (10 included and excluded polygonal regions), Sound detection, Intelligent event detection,
Event Response	Notify control center, Change camera settings, Command other devices, E-mail notification with snapshots, Push notification to mobile device, Save video to storage, Save video or snapshot to storage, Upload video to NVR server, Upload video or snapshot to FTP server, Activate external device through digital output

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
Web Browser	IE 11
Auto Firmware Upgrade	Yes

Interface

Audio Interface	Built-in microphone, Cable with 3.5mm Phone Jack
Operating Button	Reset Button

General

Power Source	PoE Class 2 (IEEE802.3af)
Power Consumption	6.25 W (PoE)
Weight	461g (1.0142lb)
Dimensions	(Ø x H): 115.5mm x 57.7mm (4.5" x 2.3")
Environmental Casing	Weatherproof (IP67), Vandal proof (IK10), Vibration proof (IEC60571), Built-in dehumidifier
Mount Type	Surface
Dehumidifier	Yes
Starting Temperature	-40°C ~ 55°C (-40°F ~ 131°F)
Operating Temperature	-40°C ~ 55°C (-40°F ~ 131°F)
Operating Humidity	10% - 85% RH, non-condensing

Approvals	CE, FCC, EAC, IP67, IK10, NEMA 4X, EN45545, IEC60571, UL Listed (UL 60950-1)
Real-time Clock (RTC)	Yes
Warranty	3 Year(s). For extended warranty offering, see http://www.acti.com/support/warranty

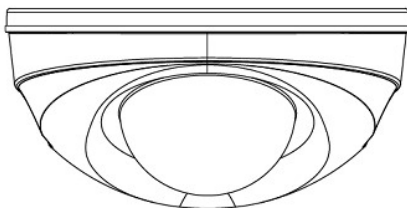
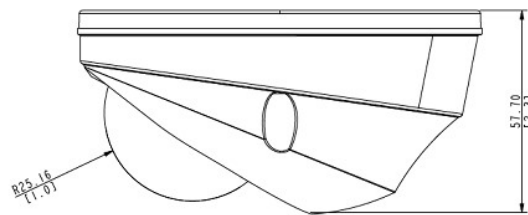
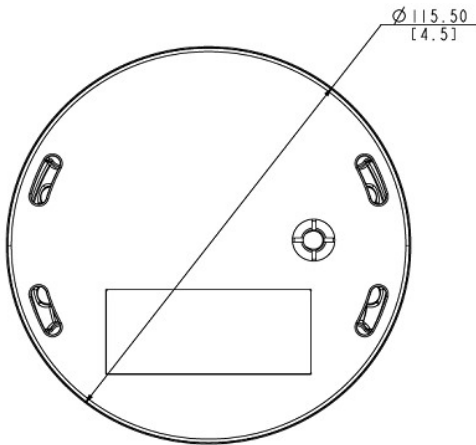
* Edge Recording function is integrated with NVR 3 Corporate / NVR 3 Business / INR / GNR series.

Photo Indication



- 1 Audio Input
- 2 Ethernet Port
- 3 Memory Card Slot
- 4 Reset Button
- 5 Built-in Microphone





Dimension Diagram




Unit: mm [inch]

Related Products

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-1101		PLANET GS-4210-24PL4C 24-Port Gigabit 802.3at Managed PoE Switch (PoE Budget 440W)
PPSW-3100		PLANET FGSW-1816HPS 16-Port 802.3at PoE Switch (PoE Budget 220W)

Audio Devices - Microphone

PMIC-0200		Passive Microphone Omnidirectional for all Cameras with Mic-in Audio using 3.5mm Phone Jack
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