MESSOA

PTZ900

3-Megapixel Indoor PTZ Dome Camera

1/2.8" Lumii sensor, 10x optical zoom, H.264, triple streaming, WDR, digital day/night, PoE, SDXC/SDHC card slot

The PTZ900 is a 3-megapixel PTZ dome camera designed for indoor pan/tilt/zoom surveillance. The camera presents a uniquely sleek profile with clip-on mounting design for easy installation. Featuring the megapixel 10x optical zoom module built-in with speedy and sharp auto focus when zooming in, the PTZ900 offers high-speed 350˚ horizontal scanning at up to 300˚/sec with proportional PTZ support, delivering highly precise and robust pan/tilt performance all the time. Plus the wide area coverage of up to 2048 x 1536, the camera makes a perfect solution for wide, open areas such as shopping malls, parking lots, warehouses and the like.

3 year warranty

ONVIF

Unparallel PTZ Capabilities

The camera's 10x optical and 10 digital zoom with auto focus provides a better depth of view when zoomed in. It also delivers precision motorized pan/tilt mechanism, while featuring various surveillance event triggers and handling options, including mission-critical 64 preset go-to and 4 patrol tours guarding.

3D Noise Reduction

The 3DNR technology takes traditional DNR a step further, removing digital artifacts and grainy appearance from frame to frame, while maintaining image sharpness at low light settings, which results in more efficient bandwidth and storage utilization.

Hyper Dynamic Range

Compared with standard WDR, the new-generation WDR features sophisticated algorithm to further expand its dynamic range of the lighting conditions. It allows the camera capturing greater scene details in high contrast settings or in scenes with extremely bright and dark areas.

Triple Streaming with Multiple Video Profiles

The camera supports H.264 and MJPEG streams and allows triple streaming simultaneously. Video Streams can be further managed in profiles, enabling flexibility for users to designate bandwidth storage, and other video properties as appropriate.

Specifications

Video

Sensor Type	1/2.8" image sensor (CMOS)
Active Pixels	2304 x 1536 (HxV)
Compression	H.264 / MJPEG
Streaming	Triple simultaneous streams with multiple video profile
Resolution	QXGA(2048x1536), 1080P, 1280x960, 720P, SVGA(800x 600), VGA(640x480), 640x360, QVGA(320x240), 320x180
Max. Frame Rate	3MP 4:3 (2048x1536) at 15 fps; 2MP 16:9 (1920x1080) at 30 fps (NTSC) and 25 fps (PAL)
Day/Night	Digital D/N Control
Day/Night Mode	Auto/ BW/ Color
Shutter Time	1/10000s to 1/7.5s Selectable (60Hz); 1/10000s to 1/6.25s Selectable (50Hz)
Minimum Illumination	Color: 0.08 lux @10IRE, 0.4 lux @ 50 IRE, F1.8 B/W: 0.05 lux @10IRE, 0.25 lux @ 50 IRE, F1.8 (shutter speed: 1/15 sec)
Video Output	NTSC: 720 X 480 @30fps; PAL: 720 X 576 @25fps
Bit Rate Control	CBR, VBR

Lens

Lens Type	Built-in; Varifocal
Focal Length	f=6.33~63.3mm, F1.8~2.5
Focus / Zoom	Autofocus, motorized / Remote
Zoom Limit	Up to 100x zoom (optical 10x, digital 10x)
View Angle (FOV)	H: 41°(Wide)~4.5°(Tele)
IRIS Control	Auto

Audio

Audio Communication	Two-Way Audio
Compression	G.711 PCM 8kHz, a/µ-law support
Audio In/Out	External microphone and speaker

P/T Operation

Pan Range	-175° ~ 175° continuous
Tilt Range	-90° ~ 30° continuous
Pan Speed(Preset)	Up to 300°/s
Tilt Speed(Preset)	Up to 170°/s
Proportional P/T	Yes
Programmable Presets	64 preset locations
Auto Patrol Group	4 patrol groups
Stop Time	Configurable Dwell time
P/T/Z Functionalities	Proportional P/T/Z, Auto Pan, Auto Patrol, Auto Flip, Power-on Action
IRIS Control	Auto

Image Enhancement

Image Settings	AES, AWB, AGC, Slow Shutter Exposure Mode: AES / ALC / Flickerless / Manual; White Balance: Auto / Manual; Backlight Compensation; Configurable Brightness, Contrast, Hue, Saturation, and Sharpness; Gamma Correction
WDR	Enhanced Digital WDR
ND Filter	Yes
DNR	3DNR
Privacy Zone	Yes, up to 8 privacy zones

(continued)

Image Orientation	Mirror, Flip, Both
Frequency Control	NTSC (60Hz)/ PAL (50Hz)
Date & Time Stamp	Yes

Intelligent Video & Event Management

Motion Detection	Yes, 3-level sensitivity
Ethernet Detection	Network loss detection
Others	Optimized i-frame (GOP) setting
Events	Motion detection, Ethernet detection
Event Actions	Event snapshot to remote FTP storage/ email recipients, Edge recording to SD card, HTTP event query, HTTP event client pulling, External output activation, Patrol/Preset activation
Store Category	Event snapshot, Edge recording, Manual Snapshot

Local Storage

Memory Card Slot	1 x SDHC/SDXC slot (card not included)

Network

Protocol	ARP, DHCP, DNS, FTP, HTTP, HTTPS, ICMP, IGMP, IPv4, NTP, RTSP/RTCP/RTP, QoS, SMTP, SNMP, TCP, TLS/TTLS,UDP, UPnP, IEEE802.1X , IPv6
ONVIF	Yes
Browser	Internet Explorer
Security	Multiple user access levels with password protection, IEEE 802.1X network access control, HTTPS encryption, and digest authentication

I/O & Controls

Power	3-pin Spring Terminal
Power LED Indicator	System power and status indicator
Alarm In/Out	Terminal block 1 in / 1 relay out(30V, 1A)
Network	Female RJ-45 with LED Indicator
Audio In/Out	1 in / 1 out
Analog Video	1 x composite video out, micro JST
System Reboot	Reset x 1
Factory Default	Default x 1, pressing 5 sec for loading factory default

Power

Power Requirement	DC 12V & AC 24V ± 10% / PoE (IEEE 802.3af, class 0)
Power Consumption (Max.)	12W

Mechanical

Dimensions(ΦxH)	ø125mm X 170mm (4.92"X 6.69")
Weight	900g (1.92lb)

Environmental

Operating Temperature	-10°C ~ 50°C (-14°F ~ 122°F)
Operating Humidity	90% RH, non-condensing
Storage Temperature	-40°C ~ 60°C (-40°F ~ 140°F)

Regulatory

Approvals	CE, FCC, RoHS

Ordering Information

Model No.	NTSC: PTZ900-N5-MES; PAL: PTZ900-P5-MES
Accessories	L-type Wall Mount: SAD011 Pendant Mount: SAD015 Cable Management Wall Mount: SAD016

Dimensions

Ø118mm (4.64")
170mm (6.7")
125mm (4.92")