

PSPTZ-2MP-IP-2.7-8.1MM-IR15

2MP 3X Lens IR PTZ Network Camera

System Overview

This compact PTZ IP camera delivers 2MP resolution with a powerful 3x optical zoom lens. Great camera for challenging low-light applications down to 0.005 lux with Starlight Technology. Also great for intense contrast lighting conditions with True WDR (120dB). Attractive camera with easy mounting solutions provides a great indoor/outdoor choice for a variety of small to mid-size application like public safety, transportation, education and commercial buildings.

Features

- 1/2.8" 2 Megapixel STARVIS CMOS
- H.265+/H.265/H.264+/H.264
- Supports Triple-stream encoding, IVS
- 25/30fps@1080p and 720p
- Starlight, WDR, PoE
- Powerful 3x optical zoom
- IR up to 49' (15m)



Functions

Delivering high quality video without straining the network, Smart H.265+ is the optimized implementation of H.265. The Smart H.265+ encoding platform includes a scene adaptive encoding strategy, dynamic GOP, dynamic ROI, flexible multi-frame reference structure and intelligent noise reduction, providing a savings of up to 70% of bandwidth and storage when compared with standard H.265.

The camera achieves vivid images, even in the most intense contrast lighting conditions, using industry-leading wide dynamic range (WDR) technology. For applications with both bright and low lighting conditions that change quickly, True WDR (120 dB) optimizes both the bright and dark areas of a scene at the same time to provide usable video.

This camera operates in extreme temperature environments, rated for use in temperatures from -30° C to +60° C (-22° F to +140° F) with 95% humidity. Provides 6KV rating for effective protection against lightning.

For challenging low-light applications Starlight Ultra-low Light Technology is great in low light down to 0.005 lux. Uses a set of optical features to help create clear images in the dark environment.

Specifications

Camera

Image Sensor	1/2.8" 2 Megapixel STARVIS CMOS
Effective Pixels	1920(H) x 1080(V)
RAM/ROM	512MB / 128MB
Scanning System	Progressive
Electronic Shutter Speed	1/1s~1/30,000ss
Minimum Illumination	Color: 0.005Lux@F1.6; 0Lux@F1.6 (IR on)
S/N Ratio	More than 50dB
IR Distance	Distance up to 49' (15m)
IR On/Off Control	Auto/Manual
IR LEDs	3

Lens

Focal Length	2.7~8.1mm								
Max. Aperture	F1.8								
Angle of View	H:105.6° ~ 35.2°								
Optical Zoom	3x								
Focus Control	Auto/Manual								
Close Focus Distance	100mm~1000mm								
DORI Distance (*estimate) Ask for Details	<table border="1"> <tr> <th>Detect</th> <th>Observe</th> <th>Recognize</th> <th>Identify</th> </tr> <tr> <td>329.4'</td> <td>131.9'</td> <td>65.9'</td> <td>32.8'</td> </tr> </table>	Detect	Observe	Recognize	Identify	329.4'	131.9'	65.9'	32.8'
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329.4'	131.9'	65.9'	32.8'						

PTZ

Pan/Tilt Range	Pan:0° ~ 355°; Tilt:5° ~ 90°
Manual Control Speed	Pan: 0.1°~70° /s; Tilt: 0.1°~30° /s
Preset Speed	Pan: 80° /s; Tilt: 40° /s
Presets	300
PTZ Mode	8 Tour
Speed Setup	Human-oriented focal Length/ speed adaptation
Power up Action	Auto restore to previous PTZ and lens status after power failure
Idle Motion	Activate Preset/ Tour if there is no command in the specified period
Protocol	DH-SD

Intelligence

Auto Tracking	N/A
IVS	Tripwire, Intrusion, Abandoned/Missing, Face Detection

Video

Compression	H.265+/H.265/H.264+/H.264
Streaming Capability	3 Streams
Resolution	1080P(1920X1080)/720P(1280~720)/D1(704x576/704x480)/CIF(352x288/352x240)
Frame Rate	Main stream: 1080P/720P (1~25/30fps), Sub stream1: D1/CIF (1 ~ 25/30fps) Sub stream2: 720P/D1/CIF (1 ~ 25/30fps)
Bit Rate Control	CBR/VBR
Bit Rate	H.265/H.264: 448K ~ 8192Kbps,
Day/Night	Auto (ICR) / Color / B/W
Backlight Compensation	BLC / HLC / WDR (120dB)
White Balance	Auto/ATW/Indoor/Outdoor/Manual
Gain Control	Auto/Manual
Noise Reduction	Ultra DNR (2D/3D)
Motion Detection	Support
Region of Interest	Support
Stabilization (EIS)	N/A
Defog	Support
Digital Zoom	16x

Flip	180°
Privacy Masking	Up to 24 areas

Audio

Compression	G.711a/G.711mu/G.726/AAC
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Network

Ethernet	RJ-45 (10Base-T/100Base-TX)
WiFi	N/A
Protocol	IPv4/IPv6,HTTP,HTTPS,SSL,TCP/IP,UDP,UPnP,ICMP,IGMP,SNMP,RTSP,RTP,SMTP,NTP,DHCP,DNS,PPPOE,DDNS,FTP,IP Filter,QoS,Bonjour,802.1x
Interoperability	ONVIF, PSIA, CGI
Streaming Method	Unicast / Multicast
Max. User Access	20 users
Edge Storage	NAS (Network Attached Storage),Local PC for instant recording, Micro SD card 128GB
Web Viewer	IE, Safari
Mgt. Software	Smart PSS, DSS
Smart Phone	iOS, Android

Certifications/Drivers

Certifications	CE, FCC, UL
Drivers/Profiles	

Interface

Video Interface	N/A
Audio I/O	Mic in/Line in, Line out
RS485	N/A
Alarm I/O	N/A

Electrical

Power Supply	DC 12V/1.5A, PoE(802.3af)
Power Consumption	7.8W, 10.5W (IR on)

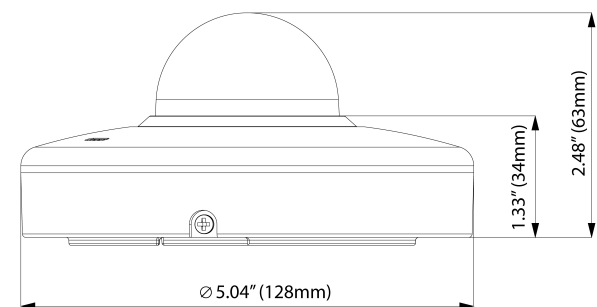
Environmental

Operating Conditions	-30°C~60°C (-22°F~+140°F) / Less than 90% RH
Ingress Protection	IP66
Vandal Resistance	IK08

Construction

Casing	Metal
Dimensions	Φ128 (mm) x 63 (mm)
Net Weight	1.08lb (0.49kg)
Gross Weight	1.6lb (0.73kg)

Dimensions



ZM082918 Design and specifications are subject to change without notice