

# LSPTZ-2MP-IP-4.8-120MM

## 2MP 25X Starlight IR PTZ Network Camera

### System Overview

This compact PTZ IP camera delivers 2MP resolution with a powerful 25x optical zoom lens. With pan speeds of up to 400°/s, and tilt speeds of up to 200°/s, this PTZ ensures complete and timely video capture across a large area. 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.264 & MJPEG
- Support Triple-streams encoding, IVS
- 25/30fps@1080p
- WDR, Day/Night (ICR), Ultra DNR
- Powerful 25x optical zoom
- IR up to 328' (100m)
- IP66, PoE, Includes Wall bracket



### Functions

Starlight Technology. For challenging low-light applications, Starlight Ultra-Low Light Technology offers best-in-class light sensitivity, capturing color details in low light down to 0.005 lux. The camera uses a set of optical features to balance light throughout the scene, resulting in clear images in dark environments.

The H.265 (ITU-T VCEG) video compression standard offers double the data compression ratio at the same level of video quality, or substantially improved video quality at the same bit rate, as compared to older video compression technologies. H.265 offers such impressive compression by expanding the pattern comparison and difference coding, improving motion vector prediction and motion region merging, and incorporating an additional filtering step called sample-adaptive offset filtering.

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.

The camera allows for 6KV lightning rating, which provides effective protection for both the camera and its structure against lightning.

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.

## Specifications

### Camera

Image Sensor	1/2.8" 2 Megapixel STARVIS™ CMOS
Effective Pixels	1920(H) x 1080(V)
RAM/ROM	1024MB / 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 328' (100m)
IR On/Off Control	Auto/Manual
IR LEDs	6

### Lens

Focal Length	4.8 ~ 120mm								
Max. Aperture	F1.6 ~ F4.4								
Angle of View	H:59.2°~2.4°								
Optical Zoom	25x								
Focus Control	Auto/Manual								
Close Focus Distance	100mm~1000mm								
DORI Distance (*estimate)	<table border="1"> <tr> <th>Detect</th> <th>Observe</th> <th>Recognize</th> <th>Identify</th> </tr> <tr> <td>5292'</td> <td>2119'</td> <td>1060'</td> <td>528'</td> </tr> </table>	Detect	Observe	Recognize	Identify	5292'	2119'	1060'	528'
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5292'	2119'	1060'	528'						

### PTZ

Pan/Tilt Range	Pan:0° ~360° endless; Tilt:15° ~90°, auto flip 180°
Manual Control Speed	Pan: 0.1° ~200° /s; Tilt: 0.1° ~120° /s
Preset Speed	Pan: 240° /s; Tilt: 200° /s
Presets	300
PTZ Mode	5 Pattern, 8 Tour, Auto Pan, Auto Scan
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/ Scan/ Tour/ Pattern 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.264/MJPEG
Streaming Capability	3 Streams
Resolution	1080P(1920Å~1080)/720P(1280Å~720)/D1(704×576/704×480)/CIF(352×288/352×240)
Frame Rate	Main stream: 1080P/D1(1~25/30fps), 720P(1~50/60fps) Sub stream1: D1/CIF (1 ~ 25/30fps) Sub stream2: 1080p/720p/D1/CIF (1 ~ 25/30fps)
Bit Rate Control	CBR/VBR
Bit Rate	H.265/H.264: 448K ~ 8192Kbps, MJPEG: 5120K~10240Kbps
Day/Night	Auto (ICR) / Color / B/W
BLC Mode	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.711u(32kbps)/PCM(128kbps)
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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, PPOE, 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, Chrome, Firefox, Safari
Mgt. Software	Smart PSS, DSS
Smart Phone	iOS, Android

### Certifications/Drivers

Certifications	CE, FCC, UL
Drivers/Profiles	Control 4, SAVANT

### Interface

Video Interface	N/A
Audio Interface	1/1
RS485	N/A
Alarm I/O	2/1

### Electrical

Power Supply	DC 12V/3A, PoE+(802.3af)
Power Consumption	13W, 20W (IR on)

### Environmental

Operating Conditions	-40°C ~ 70°C (-40°F ~ +158°F) / Less than 95% RH
Ingress Protection	IP66
Vandal Resistance	N/A

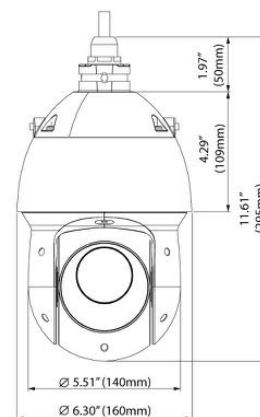
### Construction

Casing	Metal
Dimensions	Φ160 (mm) x 295 (mm)
Net Weight	6.61lb (3kg)
Gross Weight	9.26lb (4.2kg)

### Accessories

Included	Wall Mount Model: PFB416W
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### Dimensions



ZM050718 Design and specifications are subject to change without notice