ZUUM

LSE8MPS2-IP-2.8-IR30
8MP WDR Starlight IP Eyeball Camera 2.8MM Wide View Lens

System Overview

This IP camera delivers 8MP resolution with a 2.8mm fixed lens. Attractive camera with easy mounting solutions provides a great choice for a variety of small to mid-size application like public safety, transportation, education and commercial buildings.

Features

- 1-2.7" 8 Megapixel progressive CMOS
- Up to H.265 dual-stream encoding
- 8MP (3840 x 2160)@ 15fps, max
- WDR (120dB), Starlight
- 2.8mm wide view lens
- IR up to 98' (30m)
- IVS: Intrusion, tripwire
- Abnormality detection
- Max 256 GB SD card option
- Built-in Mic
- IP67, PoE

Functions

Smart H.265 technology reduces bit rate and storage requirements by up to 70% when compared to standard H.264 video compression.

Wide Dynamic Range (WDR) The camera achieves vivid images, even in the most intense contrast lighting conditions. 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.

Starlight technology helps provide clear colorful video at night or in low light environments.

The camera allows for ±30% input voltage tolerance, suitable for the most unstable conditions for outdoor applications. Subjected and certified to rigorous dust and immersion tests (IP67), the camera is the choice for installation in even the most unforgiving environments.

This camera operates in extreme temperature environments, rated for use in temperatures from -40° C to +60° C (-40° F to +140° F) with 95% humidity.

Image flip. Capturing unnecessary data such as surrounding hallway walls can increase storage requirements without any added value. The image flip feature allows the camera's image to be rotated in 90° increments for better video optimization.

Specifications

Camera

Image Sensor	1-2.7" 8 Megapixel CMOS
Effective Pixels	3840(H) x 2160(V)
RAM/ROM	256MB / 128MB
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual, 1/3~1/100000s
Minimum Illumination	0.009Lux/F2.0
IR Distance	Distance up to 98' (30m)
IR On/Off Control	Auto/Manual
IR LEDs	2
Pan/Tilt/Rotate Range	Pan:0° ~360°; Tilt:0° ~78°; Rotation:0° ~360°

Lens

Lens Type	Fixed-focal
Mount Type	M12
Focal Length	2.8mm
Max. Aperture	F2.0
Field of View	H:105°, V:56°, D:125°
Iris Type	Fixed
Close Focus Distance	3.3' (1.0m)

DORI Distance *(estimate)	Lens	Detect	Observe	Recognize	Identify
	2.8mm	245'	98'	48'	24'
	3.6mm	350'	140'	69'	35'

Smart Event

IVS	Intrusion, tripwire

Video

Compression	H.265, H.264, H.264B, MJPEG
Streaming Capability	2 Streams, (Main, Sub)
Resolution	8M(3840x2160), 3072x2048, 3072x1728, 2592x1944, 4M(2688x1520/3M(2048x1536,2304×1296) / 1080P (1920×1080) /1.3M (1280x960)/ 720P (1280×720) / D1(704×576/704×480) / CIF (352×288/352×240) VGA 640x480
Frame Rate	8M (1 ~ 15fps)
Bit Rate Control	CBR/VBR
Bit Rate	H.264: 32Kbps ~ 8192Kbps H.265: 12Kbps ~ 8192Kbps
Day/Night	ICR switch
WDR	True WDR (120dB)
White Balance	Auto/Natural/Street Lamp/Outdoor/Manual
Gain Control	Auto/Manual
Noise Reduction	3D DNR
Motion Detection	Off / On (4 Zone, Rectangle)
Region of Interest	Off / On (4 Zone)
Smart IR	Support
Flip	0°/90°/180°/270° Supports 90°/270° with 2688x1520
Mirror	Off / On
Privacy Masking	Off / On (4 Area, Rectangle)

Audio

Built-in Mic	Yes
Audio Compression	G.711A, G.711Mu, G.726, AAC

Network

Ethernet	RJ-45 (10/100Base-T)
Protocol	HTTP;TCP;ARP;RTSP;RTP;UDP;RTCP;SMTP;FTP; DHCP;DNS;DDNS;PPPOE;IPv4/v6;SNMP;QoS;UPnP;NTP, 802.1x, Multicast, HTTPS, SFTP, ICMP, IGMP
Interoperability	ONVIF, CGI, Milestone, Genetec
Max. User Access	20
Edge Storage	NFS, FTP, Micro SD Card 256GB
Web Viewer	IE, Chrome, Firefox
Mgt. Software	Smart PSS, DSS, P2P
Smart Phone	iOS, Android

Certifications

Certifications	CE, UL, FCC

Drivers

Drivers/Profiles	Control 4, SAVANT

Interface

Video/Audio Interface	N/A
RS485/Alarm	N/A

Electrical

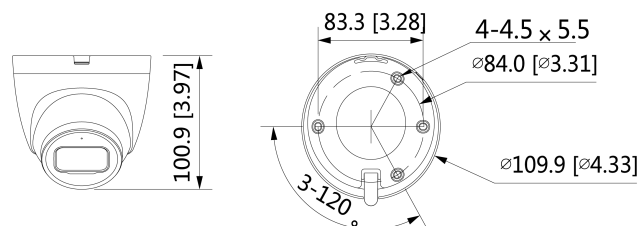|	
Power Supply	DC12V / PoE
Power Consumption	< 7.2W

Environmental

Operating Conditions	-40° C ~ +60° C (-40° F ~ +140° F) / Less than 95% RH
Storage Conditions	-40° C ~ +60° C (-40° F ~ +140° F) / Less than 95% RH
Ingress Protection	IP67
Vandal Resistance	N/A

Construction

Casing	Metal
Dimensions	3.97'' x ⌀ 4.33" (100.9mm × ⌀ 109.9mm)
Net Weight	0.86lb (0.39Kg)
Gross Weight	1.15lb (0.52Kg)

Dimensions

83.3 [3.28]
4-4.5 x 5.5
⌀84.0 [⌀3.31]
100.9 [3.97]
3-120°
⌀109.9 [⌀4.33]