ZUUM

LSB4MP-IP-2.8-IR30-WH
4MP WDR IR Mini-Bullet Camera

System Overview

This IP camera delivers 4MP 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

- 1/3" 4 Megapixel progressive CMOS
- H.265 & H.264 dual-stream encoding
- 20fps@4M (2688x1520) & 25/30fps@3M (2304x1296)
- WDR (120dB), Day/Night (ICR), 3DNR, AWB, AGC, BLC
- 2.8MM fixed lens
- IR up to 98' (30m)
- IP67, PoE

Functions

Smart H.265+ is the optimized implementation of the H.265 codec that uses a scene-adaptive encoding strategy, dynamic GOP, dynamic ROI, flexible multi-frame reference structure and intelligent noise reduction to deliver high-quality video without straining the network. Smart H.265+ technology reduces bit rate and storage requirements by up to 70% when compared to standard H.265 video compression.

Wide Dynamic Range (WDR) 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.

With Smart IR Technology, detailed images can be captured in low light or total darkness. The camera's Smart IR technology adjusts the intensity of camera's infrared LEDs to compensate the distance of an object. Smart IR technology prevents IR LEDs from whitening out images as they come closer to the camera. The camera's integrated infrared illumination provides high performance in extreme low-light environments up to 30m (98ft).

The camera allows for ±10% input voltage tolerance, suitable for the most unstable conditions for outdoor applications. Its 2KV lightning rating provides effective protection for both the camera and its structure against lightning. 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 -30° C to +60° C (-22° 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	1/3" 4 Megapixel progressive CMOS
Effective Pixels	2688(H) x 1520(V)
RAM/ROM	512MB / 32MB
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual, 1/3~1/100000s
Minimum Illumination	0.08Lux/F2.0 (Color,1/3s,30IRE) 0.3Lux/F2.0 (Color,1/30s,30IRE) 0Lux/F2.0 (IR on)
S/N Ratio	More than 50dB
IR Distance	Distance up to 98' (30m)
IR On/Off Control	Auto/Manual
IR LEDs	18

Lens

Lens Type	Fixed
Mount Type	Board-in
Focal Length	2.8mm
Max. Aperture	F2.0/F2.0
Angle of View	H:104°/87°, V:57°/48°
Focus Control	Fixed
Close Focus Distance	N/A

DORI Distance	Lens	Detect	Observe	Recognize	Identify
	2.8mm	207'	82'	43'	20'
	3.6mm	262'	105'	52'	26'

PTZ

Pan/Tilt Range	Pan:0° ~360°; Tilt:0° ~90°; Rotation:0° ~360°

Video

Compression	H.265+/H.265/H.264+/H.264
Streaming Capability	2 Streams
Resolution	4M(2688x1520/2560x1440) / 3M(2304×1296) /1080P (1920×1080) / 720P (1280×720) / D1(704×576/704×480) / CIF (352×288/352×240)
Frame Rate	4M (1 ~ 20fps)/3M (1 ~ 25/30fps)
Bit Rate Control	CBR/VBR
Bit Rate	H.265: 12K ~ 8448Kbps H.264: 32K ~ 10240Kbps
Day/Night	Auto (ICR) / Color / B/W
BLC Mode	BLC / HLC / 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)
Electronic Image Stabilization (EIS)	N/A
Smart IR	Support
Digital Zoom	16x
Flip	0°/90°/180°/270°
Mirror	Off / On

Privacy Masking	Off / On (4 Area, Rectangle)

Audio

Compression	N/A

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
Interoperability	ONVIF, PSIA, CGI
Streaming Method	Unicast / Multicast
Max. User Access	10 Users / 20 Users
Edge Storage	NAS Local PC for instant recording
Web Viewer	IE, Chrome, Firefox, Safari
Mgt. Software	Smart PSS, DSS, Easy4ip
Smart Phone	iOS, Android

Certifications

Certifications	CE, UL, FCC

Drivers

Drivers/Profiles	Control 4, SAVANT

Interface

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

Electrical

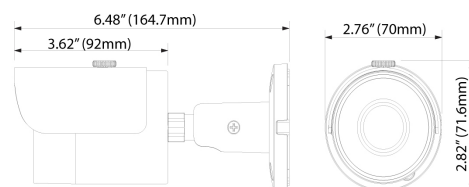|	
Power Supply	DC12V PoE(802.3af) (Class 0)
Power Consumption	<5.7W

Environmental

Operating Conditions	-30° C ~ +60° C (-22° F ~ +140° F) / Less than 95% RH
Storage Conditions	-30° C ~ +60° C (-22° F ~ +140° F) / Less than 95% RH
Ingress Protection	IP67
Vandal Resistance	N/A

Construction

Casing	Metal + Plastic
Dimensions	Φ 2.76'' x 6.49'' (70mm × 164.7mm)
Net Weight	0.84lb (0.38Kg)
Gross Weight	0.97lb (0.44Kg)

Dimensions

6.48" (164.7mm)
3.62" (92mm)
2.76" (70mm)
2.82" (71.6mm)