

52 × 3MP Global Shutter LONG-RANGE OIS Zoom Camera Module | VS-



- Global shutter sensor for more realistic capture of fast-moving objects and image reproduction without mechanical deformation.
- Better environmental adaptability: Supports Optical-Defog, Optical heat haze reduction, Optical Image Stabilisation, WDR, BLC, HLC, adaptable to multiple application scenarios.
- Sharper images: Multiple pieces of aspherical optical glass, approximately 30% clearer than comparable products.
- Accurate and fast autofocus: Fast and accurate focus with stepper motors drive for multiple applications such as fast tracking.
- Easier to integrate: All-in-one design, plug and play. A wide range of interfaces.
- More compact: The length is only 32 cm, a 30% reduction in length compared to the same specification bullet camera + C-mount telephoto lens solution, reducing the size of the PTZ housing requirement.
- Lightweight design: Weighs only 3255g, a 50% weight reduction compared to the same specification bullet camera + C-mount telephoto lens solution, reducing the load requirements on the PTZ and reducing the cost of the PTZ and installation costs.
- Full functions: PTZ camera control, Alarm, Audio, OSD, etc.

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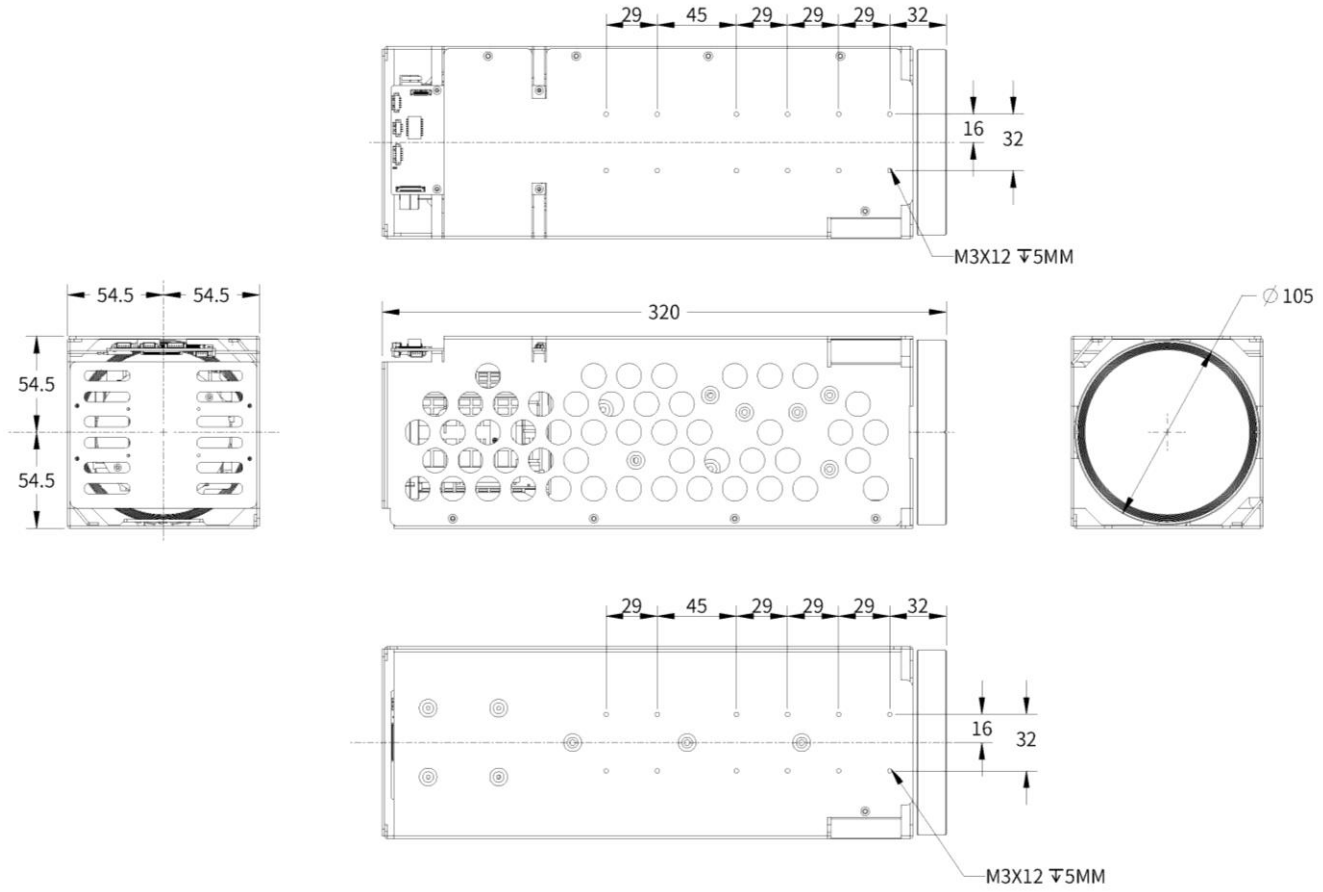
Specification

Camera		
Sensor	Type	1/1.8" CMOS Global Shutter
	Effective Pixels	3.19 M pixels
Lens	Focal Length	15 ~ 775mm
	Optical Zoom	52 ×
	Aperture	FNo: 2.8 ~ 8.2
	FOV_H (°)	26.5° ~ 0.5°
	FOV_L (°)	20.0° ~ 0.4°
	FOV_D (°)	32.8° ~ 0.6°
	Close Focus Distance	10m ~ 100m (Wide ~ Tele)
	Zoom Speed	7 Sec (Optics, Wide ~ Tele)
Video & Audio Network	Compression	H.265/H.264/H.264H/MJPEG
	Resolution	RTSP: 2048*1536@25fps/30fps LVDS: 1920*1080@25fps/30fps
	Video Bit Rate	32kbps ~ 16Mbps
	Audio Compression	AAC / MP2L2
	Storage Capabilities	TF card, up to 256GB
	Network Protocols	ONVIF, HTTP, RTSP, RTP, TCP, UDP
	General Events	Motion Detection, Tamper Detection, Scene Changing, Audio Detection, SD Card, Network, Illegal Access
	IVS	Tripwire, Intrusion, Loitering, etc.
Upgrade		Only through the network interface
Min Illumination		Colour: 0.05Lux @ (F2.8, AGC ON)
Shutter Speed		1/1 ~ 1/30000 Sec
Noise Reduction		2D / 3D
Image Settings		Saturation, Brightness, Contrast, Sharpness, Gamma, etc.
Flip		Support
Exposure Model		Auto/Manual/Aperture Priority/Shutter Priority/Gain Priority
Exposure Comp		Support
WDR		Support
BLC		Support
HLC		Support
S/N Ratio		≥ 55dB (AGC Off, Weight ON)
AGC		Support
White Balance (WB)		Auto/Manual/Indoor/Outdoor/ATW/Sodium Lamp/Natural/Street Lamp/One Push
Day/Night		Auto (ICR)/Manual (Colour, B/W)
Digital Zoom		16 ×
Focus Model		Auto/Manual/Semi-Auto
Defog		Electronic-Fog / Optical-Defog
Image Stabilisation		Electronical Image Stabilisation (EIS) / Optical Image Stabilisation (OIS)
Heat Haze Reduction		Support
External Control		2 × TTL3.3V, Compatible with VISCA and PELCO protocols
Video Output		Network & LVDS
Baud Rate		9600 (Default)
Operating Conditions		-30°C ~ +60°C; 20% to 80% RH
Storage Conditions		-40°C ~ +70°C; 20% to 95% RH
Weight		3255g
Power Supply		+9 ~ +12V DC (Recommend: 12V)
Power Consumption		Avg: 4W; Max: 9.5W

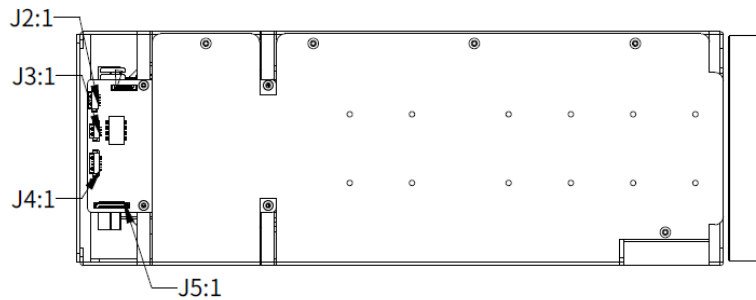
Dimensions (mm)

Length * Width * Height : 320*109*109

Dimensions (mm)



Interface



J2 (A1251-05A 1.25MM)	
1	AUDIO_OUT
2	GND
3	AUDIO_IN
4	GND
5	NC

J3 (A1251-04A 1.25MM)	
1	ETHRX-
2	ETHRX+
3	ETHTX-
4	ETHTX+

J4 (A1251-06A 1.25MM)	
1	+12V DC
2	GND
3	RXD1(TTL3.3V,Pelco)
4	TXD1(TTL3.3V,Pelco)
5	RXD0(TTL3.3V,Visca)
6	TXD0(TTL3.3V,Visca)

J5 (USL00-30L 0.4MM)	
1	NC
2	NC
3	NC
4	NC
5	NC
6	NC
7	NC
8	NC
9	GND
10	GND
11	GND
12	GND
13	NC
14	NC
15	NC
16	NC
17	NC
18	RXD0(TTL3.3V,Visca)
19	TXD0(TTL3.3V,Visca)
20	GND
21	TXOUT0-
22	TXOUT0+
23	TXOUT1-
24	TXOUT1+
25	TXOUT2-
26	TXOUT2+
27	TXOUTCLK-
28	TXOUTCLK+
29	TXOUT3-
30	TXOUT3+

Accessories



485 Alarm Tail Board



LVDS to SDI adapter board



LVDS Cable