

30x 1280 HD SWIR Zoom Camera Module VS-MIZA030NIM



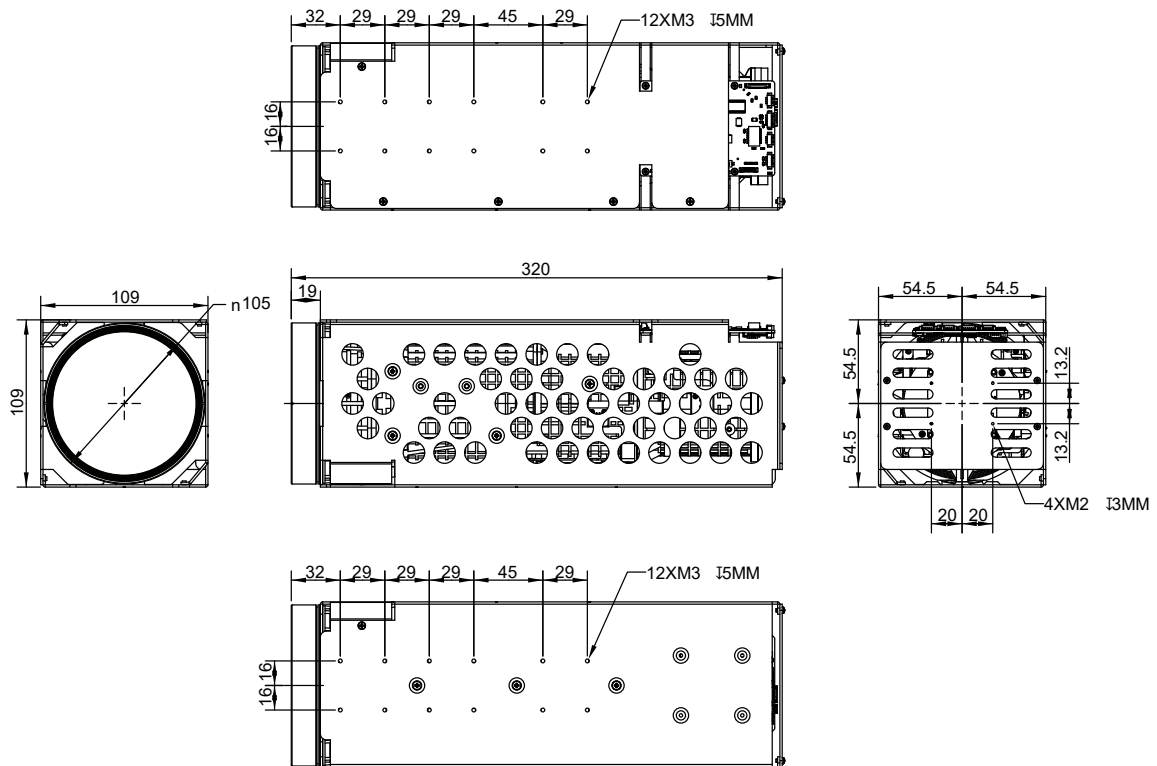
- 1280*1024, 5 μ m pixel, 0.4~1.7 μ m band detector
- 17~510mm continuous zoom SWIR lens
- Video output up to 1280*1024 @ 60fps
- Three streams capability to meet the needs of real-time streaming and storage streaming with different bandwidths and frame rates
- Support H.265, higher encoding compression rate
- Supports intelligent analysis of tripwires, regional intrusions, etc.
- Various functions: PTZ control, intelligent alarm, customized OSD

Technical Parameters

Camera		
Sensor	Sensor type	1/2" InGaAs SWIR Sensor
	Pixel Pitch	5μm
	Resolution	1280*1024
	Response Band	0.4 ~ 1.7μm
Lens	Focal length	17 ~ 510mm
	Zoom	30x
	Aperture	F : 2.95 ~ 6.6
	FOV_H	21.32 ° ~ 0.72 °
	Close focus range	1m ~ 10m (wide ~ tele)
	Zoom speed	About 7s (optical, wide ~ tele)
	Response Band	1.0~1.7μm (Wide band mode); 1.45~1.7μm (Narrow band mode)
Video & Network	Video compression	Support H.265/H.264/H.264H/MJPEG
	Resolution	Main stream H264/H265 : 1280*1024 @25/30 /50/60 fps LVDS output : 1920*1080@25/30 /50/60 fps
	Bit rate	32kbps ~ 16Mbps
	Audio compression	AAC/MP2L2
	Storage	Support TF card storage, 256G Max
	Network protocol	Onvif, GB28181, HTTP, RTSP, RTP, TCP, UDP
	Events alarm	Motion detection, Mask alarm, storage full
	IVS	Fence crossing, tripwire intrusion, area intrusion, items left behind, rapid movement, parking detection, people gathering, item moving, loitering detection
Firmware upgrade		Product firmware upgrades can only be performed via the network interface It is recommended that LVDS users reserve network interfaces
Shutter		1 /1 ~ 1/30000 seconds
Digital noise reduction		2D/3D
Image settings		Brightness, contrast, sharpness
Image flip		support
Exposure mode		Auto/manual/ aperture priority / shutter priority
Exposure compensation		support
Automatic gain control		support
Digital zoom		16 times
Focus mode		Semi-automatic/automatic/manual/one-time auto focus
Electronic image stabilization		Support on/off
Output Interface		Network port & LVDS
Communication Interface		T TL interface, compatible with SONY VISCA protocol

Video output	Network, LVDS dual output
Baud rate	9600
Operating temperature and humidity	-30°C ~ +60°C、20 % to 80 % RH
Storage environment	-40°C ~ +70°C , 20 % to 95 % RH
Weight	3200g
Power supply	DC +9 ~ +12V
Power consumption	Static power consumption: 6 W, maximum power consumption: 11 W
Dimensions(mm)	320*109*109

Dimensions



Interface diagram

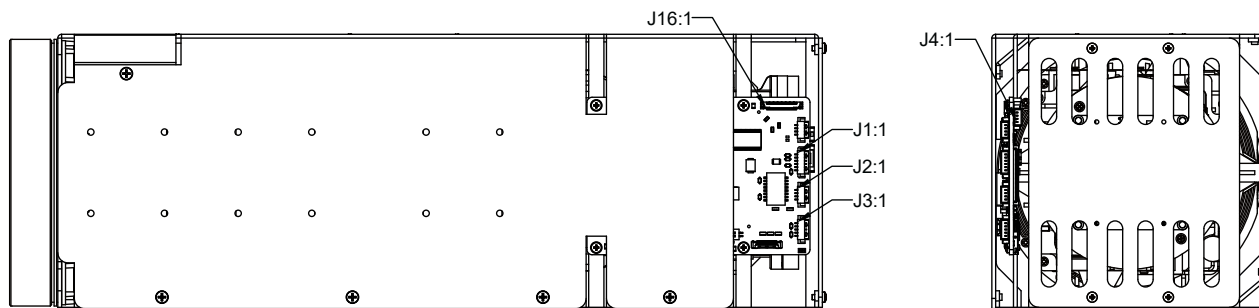


Figure Note: J1:1 J1 connector pin 1 position, will not be repeated later

Output Interface



1. The LVDS cable length should not exceed 50 cm
2. Due to the large power consumption, the LVDS power supply needs to be powered through the 1 PIN and 2 PIN of J1; otherwise, the camera will work abnormally

Type	Sequence	Pin name	
J1 (A 1251-06A 1.25MM)	1	+12V	DC power input
	2	GND	GND
	3	UART2_RX	TTL level (3.3V), camera serial port receives signals, using Pelco protocol
	4	UART2_TX	TTL level (3.3V), camera serial port sends signals, using Pelco protocol
	5	UART1_RX	TTL level (3.3V), camera serial port receives signals, using Visca protocol
	6	UART1_TX	TTL level (3.3V), camera serial port sends signals, using Visca protocol
J2 (A 1251-04A 1.25MM)	1	ETHRX -	Adaptive network port, physical signal reception (-differential)
	2	ETHRX +	Adaptive network port, physical signal reception (+ differential)
	3	ETHTX -	Adaptive network port, physical signaling (-differential)
	4	ETHTX +	Adaptive network port, physical signaling (+ differential)
J3 (A 1251-05A 1.25MM)	1	AUDIO_OUT	Audio output signal, supports LINE OUT output mode
	2	GND_A	GND
	3	AUDIO_IN	Audio input signal, supports LINE IN input mode
	4	NC	
	5	NC	
J4 (A 1251-04A 1.25MM)	1	+5V	
	2	USB1_DP	Differential Data+
	3	USB1_DM	Differential data -
	4	GND	

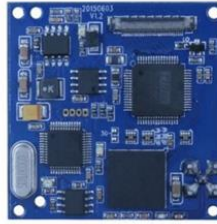
J6
(USL00-30L 0.4MM)

1	N C	
2	N C	
3	N C	
4	N C	
5	N C	
6	N C	
7	N C	
8	N C	
9	GND	
10	GND	
11	GND	
12	GND	
13	+ 12V	DC power input
14	+ 12V	DC power input
15	+ 12V	DC power input
16	+ 12V	DC power input
17	+ 12V	DC power input
18	UART1_RX	TTL level (3.3V), camera serial port receives signals, using Visca protocol
19	UART1_TX	TTL level (3.3V), camera serial port sends signals, using Visca protocol
20	GND	GND
21	TXOUT0-	Differential data pair 0 -
22	TXOUT0+	Differential data pair 0 +
23	TXOUT1-	Differential data pair 1-
24	TXOUT1+	Differential data pair 1+
25	TXOUT2-	Differential data pair 2-
26	TXOUT2+	Differential data pair 2+
27	TXOUTCLK-	Differential Clock Signal-
28	TXOUTCLK+	Differential Clock Signal +
29	TXOUT3-	Differential data pair 3-
30	TXOUT3+	Differential data pair 3+

Optional Accessories



TTL to 485 board



LVDS to SDI adapter board



LVDS cable