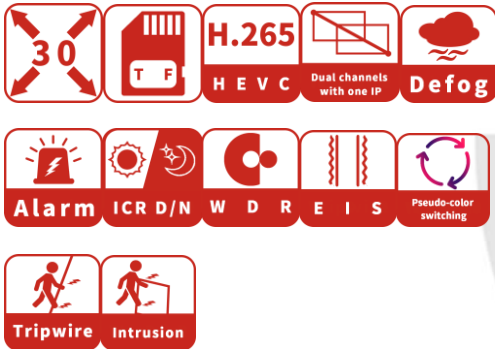


Bi-Spectrums Camera Module

VS-SCZ2030NA-RV6-25



Visible Module:

- 1/2.8" high sensitivity Back-illuminated image sensor, Ultra HD quality.
- 30× optical zoom, 4.7mm-141mm, Fast and accurate autofocus.
- Max. Resolution: 1920*1080@25/30fps.
- Supports IC switching for true day/night surveillance.
- Supports Electronic-Defog, HLC, BLC, WDR, Suitable for a wide range of applications.

LWIR Module:

- 640*512 12μm Uncooled Vox, 25mm Athermalized lens.
- Support Various pseudo-colour adjustments, image detail enhancement system functions.

Integrated Features

- Network output, the thermal and visible camera have the same web interface and have analytics.
- Supports ONVIF, Compatible with VMS and network devices from leading manufacturers.

System Features:

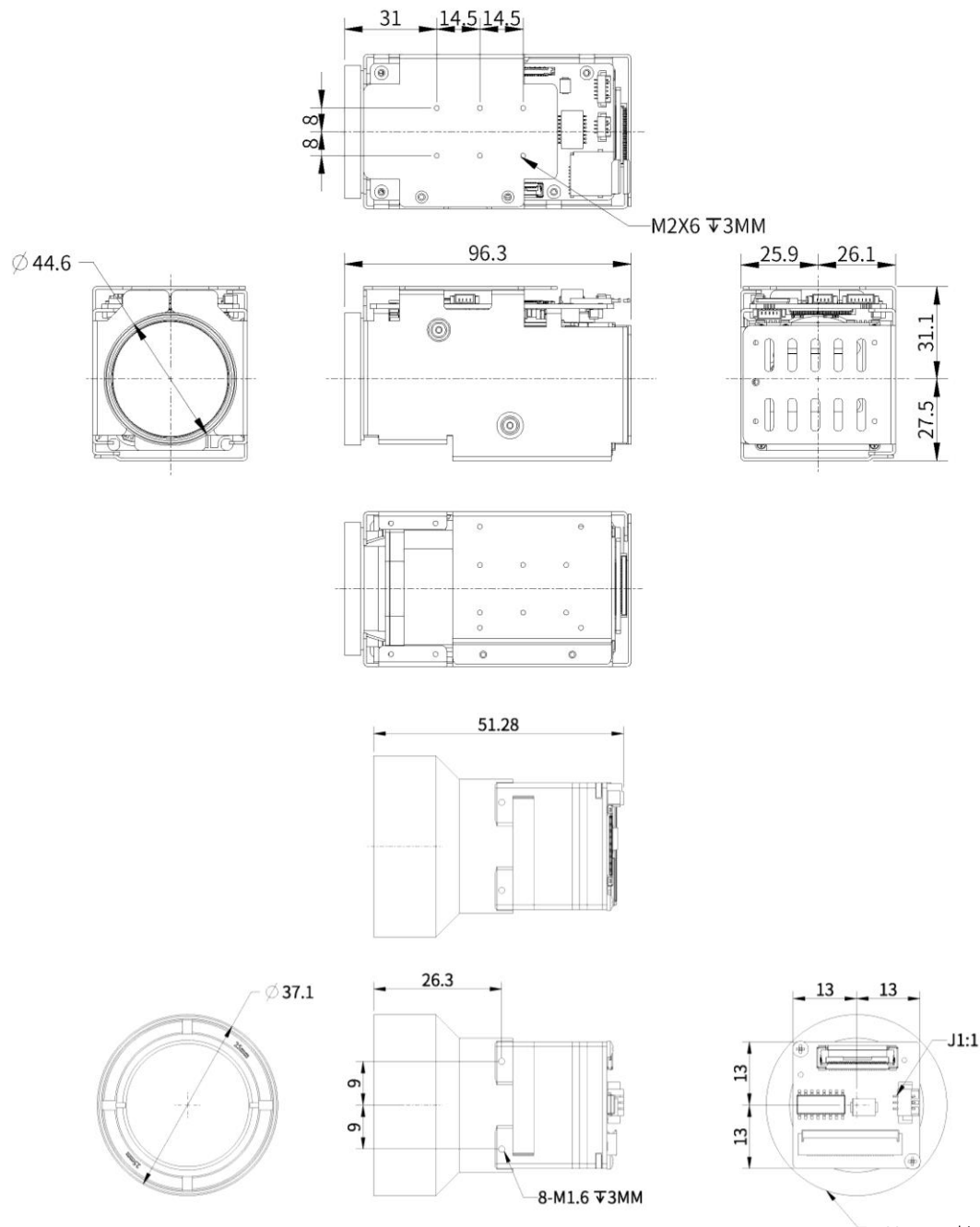
- Single IP, dual channel, simple architecture, high reliability
- -40~60 degrees ultra-wide operating temperature range
- Supports 3D positioning
- Support area intrusion detection, boundary crossing detection and other intelligent functions.
- Multi-preset position, high preset position accuracy, multi-orbit cruise

Specification

Visible Module		
Sensor	Type	1/2.8" Sony Exmor CMOS, 2.16 M pixels
	Effective Pixels	2.16 M pixels
Lens	Focal Length	f: 4.7 ~ 141 mm
	Optical Zoom	30x
	Aperture	FNo: 1.5 ~ 4.0
	HFOV	61.2° ~ 2.2°
	VFOV	36.8° ~ 1.2°
	DFOV	68.4° ~ 2.5°
	Close Focus Distance	0.1m ~ 1.5m (Wide ~ Tele)
	Zoom Speed	3.5 Sec (Optics, Wide ~ Tele)
Shutter Speed		1 / 3 ~ 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		Auto/Manual/Indoor/Outdoor/ATW/Sodium Lamp/Natural/Street Lamp/One Push
Day/Night		Auto (ICR)/Manual (Color, B/W)
Digital Zoom		16×
Focus Model		Auto/Manual/Semi-Auto
Electronic-Defog		Support
Electronic Image Stabilization		Support
LWIR Module		
Detector		Vox Uncooled Microbolometer, 640*512
Pixel Pitch		12μm
Array Size		640*512
Spectral Response		8~14μm
NETD		≤50mK
Lens		25mm Athermalized
HFOV		17.46°
VFOV		14.01°
Pseudo-colour		Support white heat, black heat, fusion, rainbow, ect. 11kinds of pseudo-colour adjustable

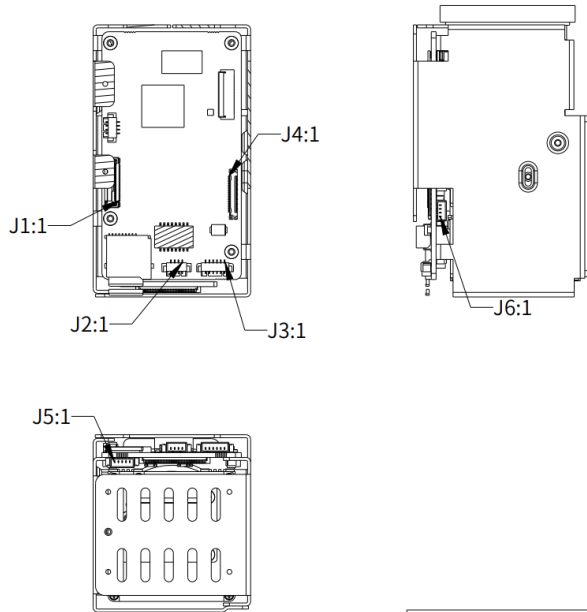
Digital zoom	4X
Video & Audio Network	
Video Compression	H.265/H.264/H.264H/MJPEG
Resolution	Channel1: Visible Main Stream: 1080P@25/30fps; Channel 2: LWIR Main Stream: 704*576@25fps
Video Bit Rate	32kbps ~ 16Mbps
Audio Compression	AAC / MP2L2
Network Protocols	ONVIF, HTTP, RTSP, RTP, TCP, UDP
General Events	Motion Detection, Tamper Detection, Scene Changing, Audio Detection, Network, Illegal Access
IVS	Tripwire, Intrusion, Loitering, etc.
General	
Video output	Network
Audio IN/OUT	1-Ch In, 1-Ch Out
Memory card	TF card, up to 1Tb
External Control	2x TTL3.3V, Compatible with VISICA and PELCO protocol
Power	DC +9 ~ +12V
Power Consumption	Static: 4.5W, Max: 8W
Operating Conditions	-30°C~+60°C、20% to 80%RH
Storage Conditions	-40°C~+70°C、20% to 95%RH
Dimensions (Length* Width*Height: mm)	Visible: 94.89*49.6*54.15 Thermal: 51.28*26*Φ37.1
Weight	Visible: 300g thermal: 67g

Dimensions (mm)



Mounted in the direction shown,
the image is positive

Interface



J5 (A1251-05A 1.25MM)	
1	AUDIO_OUT
2	GND
3	AUDIO_IN
4	GND
5	NC

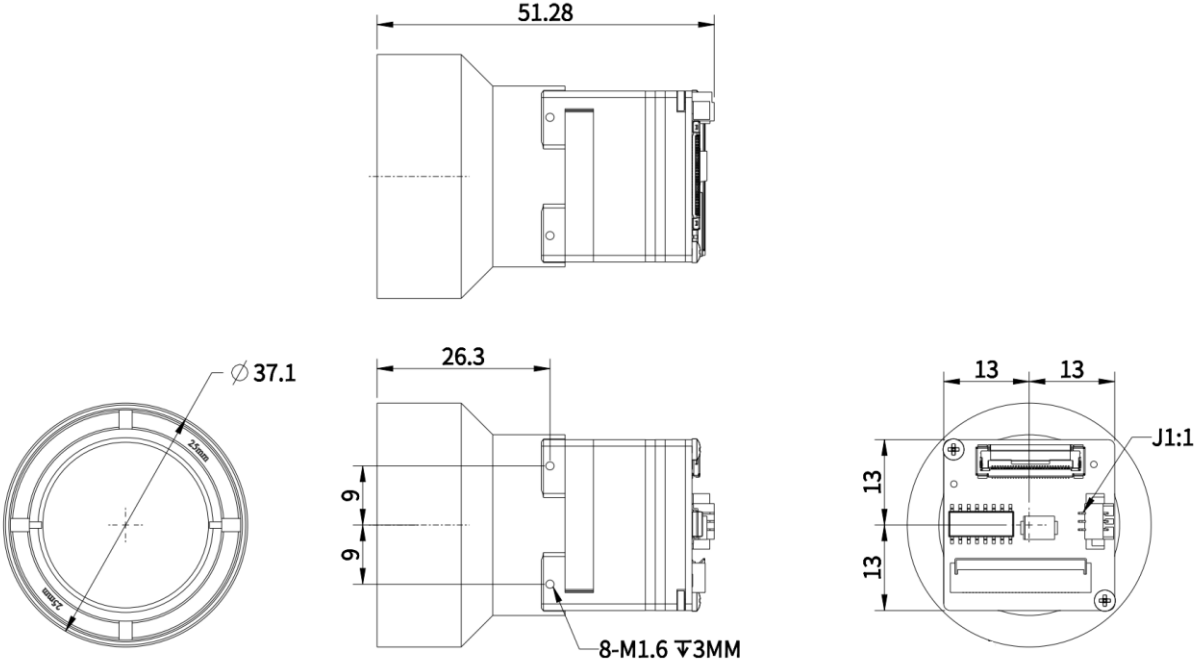
J4 (USL00-30L 0.4MM)	
1-8	NC
9-12	GND
13-17	+12V
18	RXD0(TTL3.3V,Visca)
19	TXD0(TTL3.3V,Visca)
20	GND
21	TXOUT0-
22	TXOUT0+
23	TXOUT1-
24	TXOUT1+
25	TXOUT2-
26	TXOUT2+
27	TXOUTCLK-
28	TXOUTCLK+
29	TXOUT3-
30	TXOUT3+

J2 (A1251-04A 1.25MM)	
1	ETHRX-
2	ETHRX+
3	ETHTX-
4	ETHTX+

J6 (A1251-04A 1.25MM)	
1	+VDD_USB
2	USB_DP
3	USB_DM
4	GND

J1 (LVX-A30SFYG 0.3MM)	
1-3	+12V
4	GND
5	POWER_EN
6	VIN_D0
7	VIN_D1
8	VIN_D2
9	VIN_D3
10	GND
11	VIN_D4
12	VIN_D5
13	VIN_D6
14	VIN_D7
15	GND
16	VIN_CLK
17	GND
18	VIN_VS
19	VIN_HS
20-22	NC
23	TXD3(TTL3.3V)
24	RXD3(TTL3.3V)
25	GND
26-30	NC

J3 (A1251-06A 1.25MM)	
1	+12V
2	GND
3	RXD1(TTL3.3V,Pelco)
4	TXD1(TTL3.3V,Pelco)
5	RXD0(TTL3.3V,Visca)
6	TXD0(TTL3.3V,Visca)



J1 (A1251-03A 1.25MM)	
1	+12V
2	GND
3	+12V