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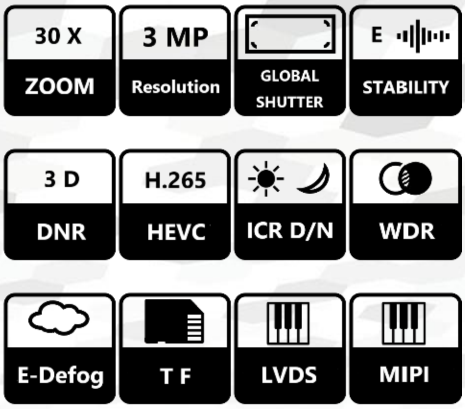
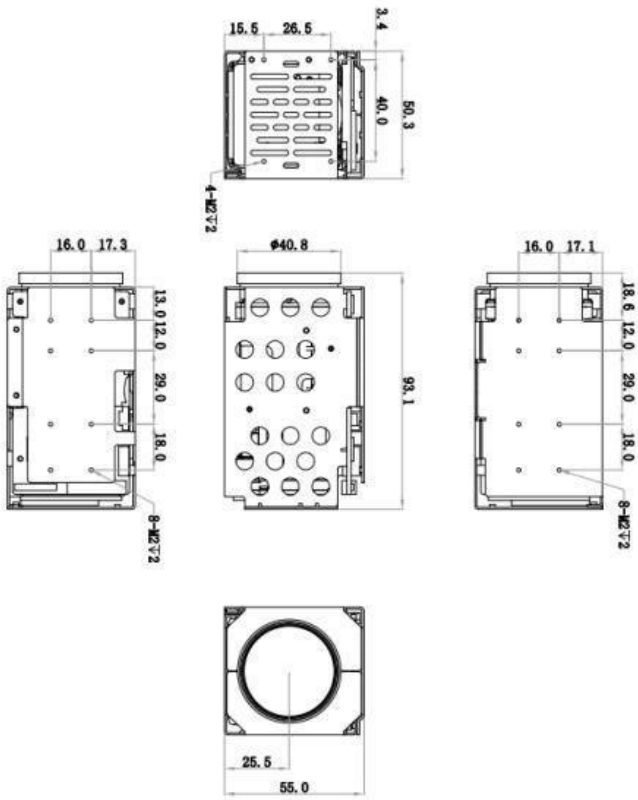
SV-CL3130G Series

- 1/2.8" global shutter CMOS
- The highest resolution can reach 3 megapixels (2048x1536), and the maximum output is full HD 2048x1536@60fps real-time image
- Blacklight full-color camera, through AI ISP image enhancement algorithm, realizes ultra-low light full color and no light full color
- AI AF self-developed deep learning algorithm module, focusing faster and more stable.
- Support H.265/H.264 video compression algorithm, support multi-level video quality configuration, encoding complexity setting
- Blacklight level ultra-low illumination, 0.001 Lux/F1.67 (color), 0.0005Lux/F1.67 (black and white), 0 Lux with IR
- Supports 30x optical zoom, 16x digital zoom
- Supports three-stream technology, each stream can independently configure resolution and frame rate, supports flv video format
- ICR infrared filter type automatic switching to achieve true day and night monitoring
- Supports backlight compensation, automatic electronic shutter and other functions to adapt to different monitoring environments
- Supports 3D digital noise reduction
- Supports 255 preset positions, 8 cruise scans
- Supports scheduled capture and event capture functions
- Supports one-key watch, one-key cruise function
- Supports 1 audio input and 1 audio output
- Built-in 1 alarm input and 1 alarm output, supports alarm linkage function
- Supports up to 256G Micro SD/SDHC/SDXC card storage
- Supports ONVIF
- Small size, low power consumption, easy to integrated to the pan/tilt





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Specifications				
Model		SV-CL3130G	SV-CL3130DG	SV-CL3130MG
Camera	Image Sensor	1/2.8" Progressive Scan CMOS		
	Minimum Illumination	Color:0.001 Lux @ (F1.67, AGC ON); B/W:0.0005Lux @ (F1.67, AGC ON)		
	Shutter	1/25s to 1/100,000s; Support delayed shutter		
	Day/Night Switch	Auto ICR cut filter		
	Digital Zoom	16x		
Lens	Focal Length	5.4-162mm, 30x Optical Zoom		
	Aperture Range	F1.67-F3.67		
	Horizontal Field of View	46.48-2.21° (wide-tele)		
	Minimum Working Distance	100mm-1500mm (wide-tele)		
	Zoom Speed	Approximately 5s (optical, wide-tele)		
Compression Standard	Video Compression	H.265 / H.264		
	H.265 Type	Main Profile		
	H.264 Type	Base Line Profile / Main Profile / High Profile		
	Video Bitrate	32 Kbps~16Mbps		
	Audio Compression	G.711a/G.711u/G.722.1/G.726/MP2L2/AAC/PCM		
	Audio Bitrate	64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP2L2)/16-64Kbps(AAC)		
Image	Main Stream	50Hz: 50fps (2048 x 1536, 1280 × 960, 1280 × 720, 528x384); 60Hz: 60fps (2048 x 1536, 1280 × 960, 1280 × 720, 528x320)		
	Sub Stream	50Hz: 50fps (1280 × 720 ,704 x 576, 640 x 480 ,352 x 288) 60Hz: 60fps (1280 × 720 ,704 x 480, 640 x 480 ,352 x 240)		
	Third Stream	50Hz: 50fps (704x567, 640x480, 352x288) 60Hz: 60fps (704x480, 640x480, 352x240)		
	Image Settings	Saturation, Brightness, Contrast and Sharpness can be adjusted via the client-side or browse		
	BLC	Support		
	Exposure Mode	AE / Aperture Priority / Shutter Priority / Manual Exposure		
	Focus Mode	Auto Focus / One Focus / Manual Focus / Semi-Auto Focus		
	Area Exposure / Focus	Support		
	Stability	EIS		
	Day/Night Switch	Automatic, manual, timing, alarm trigger		
	3D Noise Reduction	Support		
	Picture Overlay Switch	Support BMP 24-bit image overlay, customizable area		
	Region of Interest	Support three streams and four fixed areas		
Network	Storage Function	Support micro SD / SDHC / SDXC card (256g) offline local storage, NAS (NFS, SMB / CIFS support)		
	Protocols	TCP/IP,ICMP,HTTP,HTTPS,FTP,DHCP,DNS,RTP,RTSP,RTCP,NTP,SMTP,SNMP,IPv6		
	Interface Protocol	ONVIF(PROFILE S,PROFILE G)		
Interface	External Interface	36pin FFC (Network port, RS485, RS232, SDHC, Alarm In/Out Line In/Out, power) USB2.0		
	Digital Interface	N/A	LVDS	MIPI
General	Working Temperature	-30℃~60℃, humidity≤95%(non-condensing)		
	Power supply	DC12V±10%		
	Power consumption	2.5W Static (4.3W MAX)		
	Dimensions	93.1*50*55mm		
	Weight	234g		

Interface Instruction

The figure shows the serial number and actual position of the interface socket. One pin starts with the socket's 1 pin or triangle symbol.

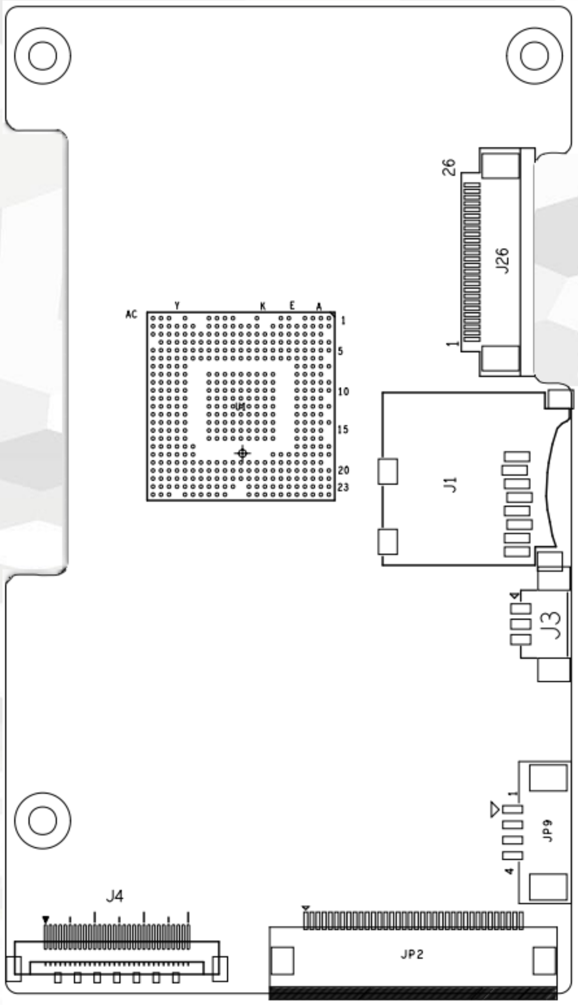
*Note 1: J1 is a TF card socket;

*Note 2: J3 is a serial port debugging and printing interface;

*Note 3: JP9 connector is a USB interface;

* LVDS and MIPI interfaces are available in two versions. Please use different versions separately.

LVDS version connector J4



JP2 36P FFC/FPC	
Pin No.	**Pin Name**
1	DC_12V
2	DC_12V
3	DC_12V
4	GND
5	GND
6	CVBS_OUT
7	GND
8	LINEOUT
9	GND
10	LINEIN
11	Empty
12	TX+
13	TX-
14	RX+
15	RX-
16	GND
17	LINK#
18	ACT#
19	ALM_OUT
20	ALM_IN
21	GND
22	SD_EN
23	Empty
24	SD_CD
25	SD_CLK
26	SD_CMD
27	SD_DATA3
28	SD_DATA2
29	SD_DATA1
30	SD_DATA0
31	GND
32	RS-485-
33	RS-485+
34	UART2_TXD
35	UART2_RXD
36	SYS_RST_N

J4 LVDS USL00-30L	
Pin No.	**Pin Name**
1	NC
2	NC
3	NC
4	NC
5	SYS_RST_N
6	Empty
7	GND
8	GND
9	GND
10	GND
11	GND
12	GND
13	DC_12V
14	DC_12V
15	DC_12V
16	DC_12V
17	DC_12V
18	UART2_RXD
19	UART2_TXD
20	GND
21	LVDS_TA-
22	LVDS_TA+
23	LVDS_TB-
24	LVDS_TB+
25	LVDS_TC-
26	LVDS_TC+
27	LVDS_TCLK-
28	LVDS_TCLK+
29	LVDS_TD-
30	LVDS_TD+

J4 MIPI USL00-30L	
Pin No.	**Pin Name**
1	DC_12V
2	DC_12V
3	DC_12V
4	DC_12V
5	SYS_RST_N
6	UART2_TXD
7	UART2_RXD
8	CSID0P
9	CSID0N
10	CSID1P
11	CSID1N
12	CSICP
13	CSICN
14	CSID2P
15	CSID2N
16	CSID3P
17	CSID3N
18	GND
19	NC
20	NC
21	GND
22	NC
23	NC
24	GND
25	NC
26	NC
27	GND
28	NC
29	NC
30	GND

JP9 9pin-1.25mm		
Type	**Pin No.**	**Pin Name**
4pinUSB2.0 (1.25mm socket)	1	DC_5V
	2	USB_DM
	3	USB_DP
	4	GND

J3 3pin-1.25mm	
Pin No.	**Pin Name**
1	RX
2	TX
3	GND