

8MP 10x Zoom Camera Module

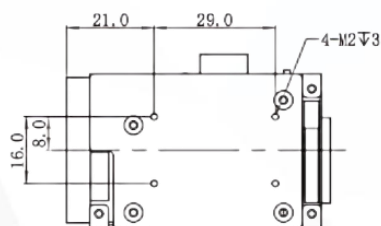
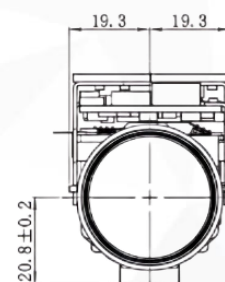
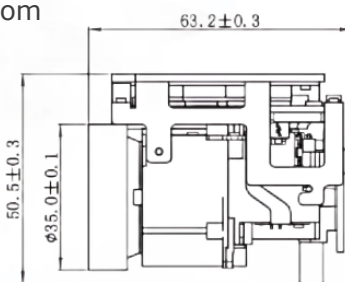
8 MP Resolution	10 X ZOOM	AI ISP IMAGING	AI AF FOCUS	E-SSR STABILITY	E-Defog
3 D DNR	H.265 HEVC	ICR D/N	WDR	MIPI	



Features

- 1/2.8" 8MP Progressive CMOS
- 3840*2160 @30fps
- Ultra starlight, Color:0.001 Lux @ (F1.8, AGC ON);
B/W:0.0005Lux @ (F1.8, AGC ON)
- 5~50mm 10X optical zoom, 16X digital zoom
- WDR
- Auto Day/Night switch
- Electronic anti-shake
- High precision optical axis optional
- MIPI
- VISCA
- ONVIF

Dimension



Specifications

Model		
Camera	Image Sensor	1/2.8" Progressive Scan CMOS
	Minimum Illumination	Color:0.001 Lux @ (F1.8, AGC ON); B/W:0.0005Lux @ (F1.8, AGC ON)
	Shutter	
	Day/Night Switch	Auto ICR cut filter
Lens	Focal Length	
	Aperture Range	F1.8-F2.5
	Field of View	H:59.16-6.76° (wide-tele) V:29.58-3.86° (wide-tele) D:67.10-7.70° (wide-tele)
	Minimum Working Distance	100mm-1500mm (wide-tele)
	Zoom Speed	Approximately 3s(optical, wide-tele)
Compression Standard	Video Compression	H.265 / H.264
	H.265 Type	Main Profile
	H.264 Type	BaseLine Profile / Main Profile / High Profile
	Video Bitrate	
	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: 25fps (3840x2160, 1920x1080, 1280x960, 1280x720); 60Hz: 30fps (3840x2160, 1920x1080, 1280x960, 1280x720)
	Sub Stream	50Hz: 25fps (1280x720, 640x480, 352x288) 60Hz: 30fps (1280x720, 640x480, 352x288)
	Third Stream	50Hz: 50fps (1280x720, 640x480, 352x288) 60Hz: 60fps (1280x720, 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	
	Area Exposure / Focus	Support
	Defog	Support
	Stability	
	Day/Night Switch	
	3D Noise Reduction	
	Picture Overlay Switch	
	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)
Intelligent	Basic Intelligence	Motion detection, video blocking, disk detection, illegal access
	Smart Intelligent	Area intrusion, cross-border detection, leaving the area, wandering detection, crowd gathering, fast movement, audio anomaly
Interface	Ethernet Port	10M/100M
	Control	1 TTL 3.3V VISCA, (Pelco Optional)
	Video	Ethernet port, MIPI
General	Working Temperature	-30°C~60°C, humidity≤95%(non-condensing)
	Power supply	
	Power consumption	2.0W MAX (ICR, 4.1W MAX)
	Dimensions	63.2*50.5*38.6mm
	Weight	105g

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 power and network port

*Note 2: J2 is MIPI USL00-30L Interface

*Note 3: J5 serial port

*Note 4: J7 TF card connection interface

J2 MIPI USL00-30L	
No.	Pin Name
1	DC_12V
2	DC_12V
3	DC_12V
4	DC_12V
5	SYS_RST_N
6	UART2_TXD
7	
8	CSID0P
9	CSID0N
10	CSID1P
11	CSID1N
12	CSICP
13	CSICN
14	
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	
28	
29	
30	GND

J1 Power and Network	
No.	Pin Name
1	RX+
2	RX-
3	TX+
4	TX-
5	GND
6	DC_12V

J5 Serial Port	
No.	Pin Name
1	3V3
2	TXD
3	RXD
4	GND

J7 10 Pin TF Card	
No.	Pin Name
1	CARD_DETECT
2	CCLK_OUT
3	CCMD
4	CDATA0
5	CDATA1
6	CDATA2
7	CDATA3
8	GND
9	SD_3V3
10	SD_3V3

