

56X Ultra Long-Range Zoom Camera Module

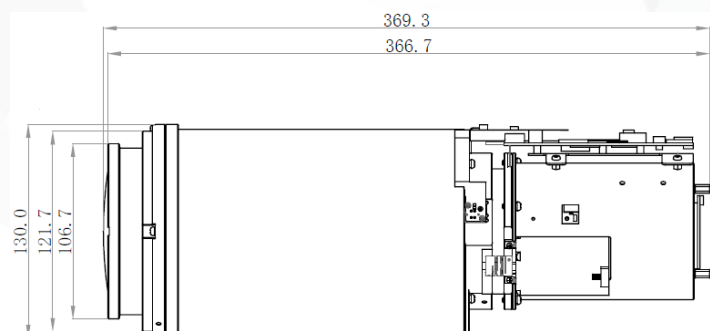
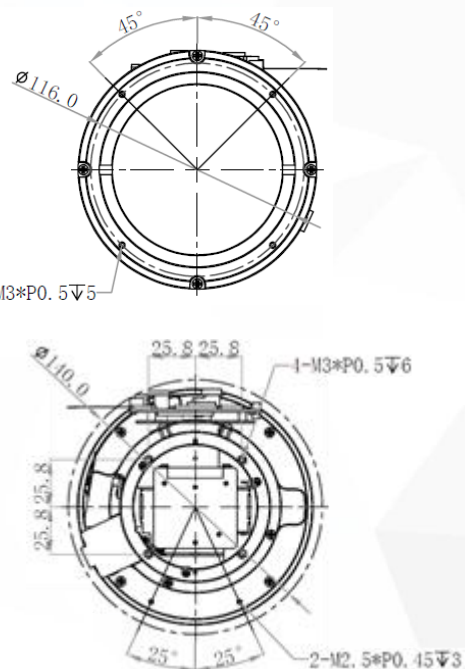
56 X ZOOM	4 MP Resolution	AI ISP IMAGING	AI AF FOCUS	1/1.2" CMOS	3 D DNR
O-Defog	H.265 HEVC	ULTRA STARLIGHT	ICR D/N	WDR	E STABILITY
MIPI	T F				



Features

- 1/1.8" 4MP CMOS
- 2688*1520 @25/30fps
- Ultra starlight, Color:0.0001 Lux @ (F3.05, AGC ON);
B/W:0.00005Lux @ (F3.05, AGC ON)
- 16.2~907mm 56X optical zoom, 16X digital zoom
- Optical Defog
- WDR
- Auto Day/Night switch
- Optical image stability optional
- High precision optical axis optional
- MIPI/LVDS Optional
- VISCA, PELCO-D/P
- ONVIF

Dimension



Specifications

Model		UV-ZNH4256	UV-ZNH4256M
Camera	Image Sensor	1/1.8" Progressive Scan CMOS	
	Minimum Illumination	Color:0.0001 Lux @ (F3.05, AGC ON); B/W:0.00005 Lux @ (F3.05, AGC ON)	
	Shutter	1/25s to 1/100,000s; Support delayed shutter	
	Aperture	PIRIS	
	Day/Night Switch	ICR cut filter	
	Digital Zoom	16x	
Lens	Focal Length	16.2~907mm, 56x Optical Zoom	
	Aperture Range	F3.05-F8.42	
	Field of View	H:31.30-0.48° (wide-tele) V:17.9-0.27° (wide-tele) D:35.70-0.55° (wide-tele)	
	Minimum Working Distance	100mm-1000mm (wide-tele)	
	Zoom Speed	Approximately 9s(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	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: 25fps (2688 x 1520, 1920 x 1080, 1280 x 720); 60Hz: 30fps (2688 x 1520, 1920 x 1080, 1280 x 720)	
	Sub Stream	50Hz: 25fps (704x576 ,640x480 ,352x288) 60Hz: 30fps (704x480 ,640x480 ,352x240)	
	Third Stream	50Hz: 25fps (704x576 ,640x480 ,352x288) 60Hz: 30fps (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	
	Defog	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)	
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	External Interface	36pin FFC (Network port, RS485, RS232, SDHC, Alarm In/Out Line In/Out, power) USB3.0	
	Digital Interface	N/A	MIPI
General	Working Temperature	-30°C~60°C, humidity≤95%(non-condensing)	
	Power supply	DC12V±10%	
	Power consumption	8W (16W MAX)	
	Dimensions	Φ130*369.3mm	
	Weight	3330g	

Interface Instruction

J1 is a Gigabit Ethernet port, with a 0.5mm pitch 12P FFC/FPC connector (the triangle graphic is pin 1);

J6 is an internal debugging and printing interface for the movement, with a 1.25_4P universal connector (the triangle graphic is pin 1);

JP3 is a reserved external DC24V power input interface, with an XH2.54_4P universal connector (the triangle graphic is pin 1);

JP6 is a 0.5mm pitch 36P FFC/FPC connector (the triangle graphic is pin 1);

JP6 36P FFC/FPC	
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

J1 12P FFC/FPC	
No.	Pin Name
1	MX0+
2	MX0-
3	MX1+
4	MX1-
5	GND
6	MX2+
7	MX2-
8	MX3+
9	MX3-
10	GND
11	LINK#
12	ACT#

J6 1.25_4P	
No.	Pin Name
1	3V3
2	RXD
3	TXD
4	GND

J50503 9pin-1.25mm		
Type	No.	Pin Name
USB 2.0	1	DC_5V
	2	USB_DP
	3	USB_DM
	4	GND
USB 3.0	5	USB3_RX-
	6	USB3_RX+
	7	GND
	8	USB3_TX-
	9	USB3_TX+

JP19 HDMI IPEX SOCKET	
No.	Pin Name
1	GND
2	HDMI_TX2P
3	HDMI_TX2N
4	HDMI_TX1P
5	HDMI_TX1N
6	HDMI_TX0P
7	HDMI_TX0N
8	GND
9	HDMI_TXCP
10	HDMI_TXCN
11	GND
12	HDMI_SCL
13	HDMI_SDA
14	HDMI_HOTPLUG
15	UART2_TXD
16	UART2_RXD
17	DC_5V
18	GND
19	DC_12V
20	DC_12V

JP8 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	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

