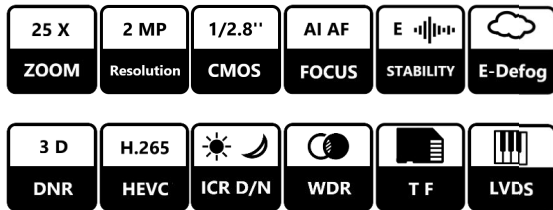


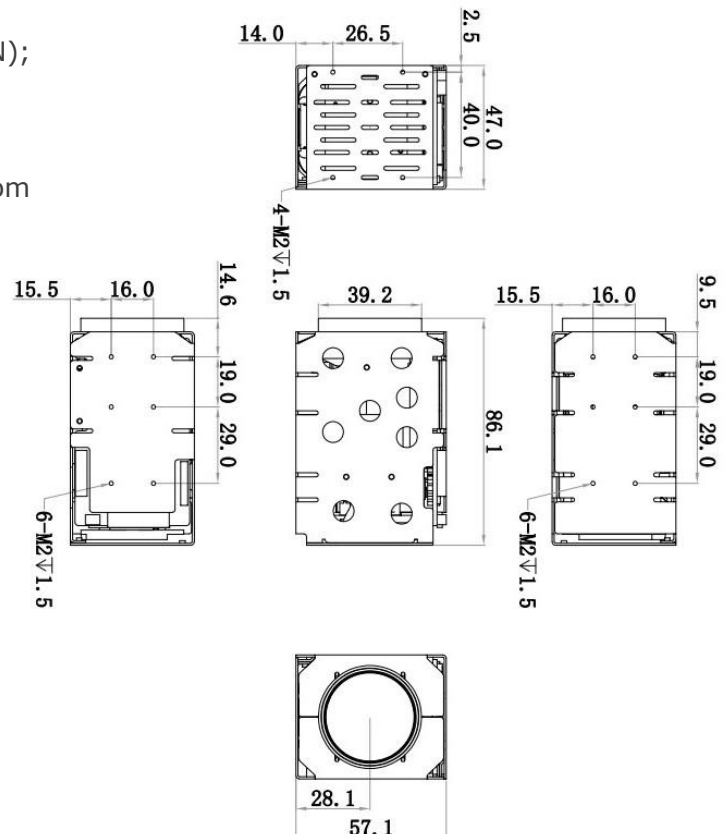
2MP 25x Zoom Camera Module



Features

- 1/2.8" 2MP Progressive CMOS
- 1920*1080 @30fps
- Ultra starlight, Color:0.001 Lux @ (F1.6, AGC ON);
B/W:0.0005Lux @ (F1.6, AGC ON)
- 5.1~127.5mm 25X optical zoom, 16X digital zoom
- Optical Defog
- WDR
- Auto Day/Night switch
- Electronic anti-shake
- High precision optical axis optional
- MIPI/LVDS Optional
- VISCA, PELCO-D/P
- ONVIF

Dimension



Specifications

Model		ZCM2125H
Camera	Image Sensor	1/2.8" Progressive Scan CMOS
	Minimum Illumination	Color:0.001 Lux @ (F1.6, AGC ON); B/W:0.0005Lux @ (F1.6, AGC ON)
	Shutter	1/25s to 1/100,000s; Support delayed shutter
	Day/Night Switch	Auto ICR cut filter
Lens	Focal Length	5.1~127.5mm, 25x Optical Zoom
	Aperture Range	F1.6-F2.86
	Field of View	H:51.69-3.66°(wide-tele) V:29.58-2.05°(wide-tele) D:59.56-4.2°(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	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 (1920 × 1080, 1280 × 960, 1280 × 720); 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)
	Sub Stream	50Hz: 25fps (704x576 ,640x480 ,352x288) 60Hz: 30fps (704x480 ,640x480 ,352x288)
	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
	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 LVDS
General	Working Temperature	-30℃~60℃, humidity≤95%(non-condensing)
	Power supply	DC12V±10%
	Power consumption	2.0W MAX (ICR, 4.1W MAX)
	Dimensions	86.1*47*57.1mm
	Weight	218g

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		J4 LVDS USL00-30L	
No.	Pin Name	No.	Pin Name
1	DC_12V	1	NC
2	DC_12V	2	NC
3	DC_12V	3	NC
4	GND	4	NC
5	GND	5	SYS_RST_N
6	CVBS_OUT	6	Empty
7	GND	7	GND
8	LINEOUT	8	GND
9	GND	9	GND
10	LINEIN	10	GND
11	Empty	11	GND
12	TX+	12	GND
13	TX-	13	DC_12V
14	RX+	14	DC_12V
15	RX-	15	DC_12V
16	GND	16	DC_12V
17	LINK#	17	DC_12V
18	ACT#	18	UART2_RXD
19	ALM_OUT	19	UART2_TXD
20	ALM_IN	20	GND
21	GND	21	LVDS_TA-
22	SD_EN	22	LVDS_TA+
23	Empty	23	LVDS_TB-
24	SD_CD	24	LVDS_TB+
25	SD_CLK	25	LVDS_TC-
26	SD_CMD	26	LVDS_TC+
27	SD_DATA3	27	LVDS_TCLK-
28	SD_DATA2	28	LVDS_TCLK+
29	SD_DATA1	29	LVDS_TD-
30	SD_DATA0	30	LVDS_TD+
31	GND		
J3 3pin-1.25mm		J50503 9pin-1.25mm	
No.	Pin Name	Type	Pin No. Pin Name
1	RX	4pinUSB 2.0 (1.25mm socket)	1 DC_5V
2	TX		2 USB_DP
3	GND		3 USB_DM
			4 GND
		USB3.0	5 USB3_RX-
			6 USB3_RX+
			7 GND
			8 USB3_TX+
			9 USB3_TX

