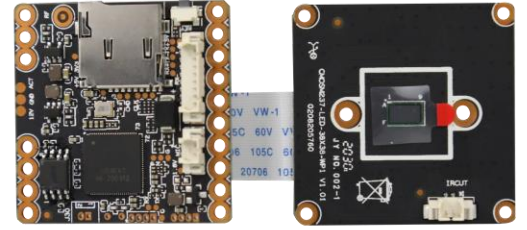


IPG-X5-WE

5MP WiFi camera module


Features:

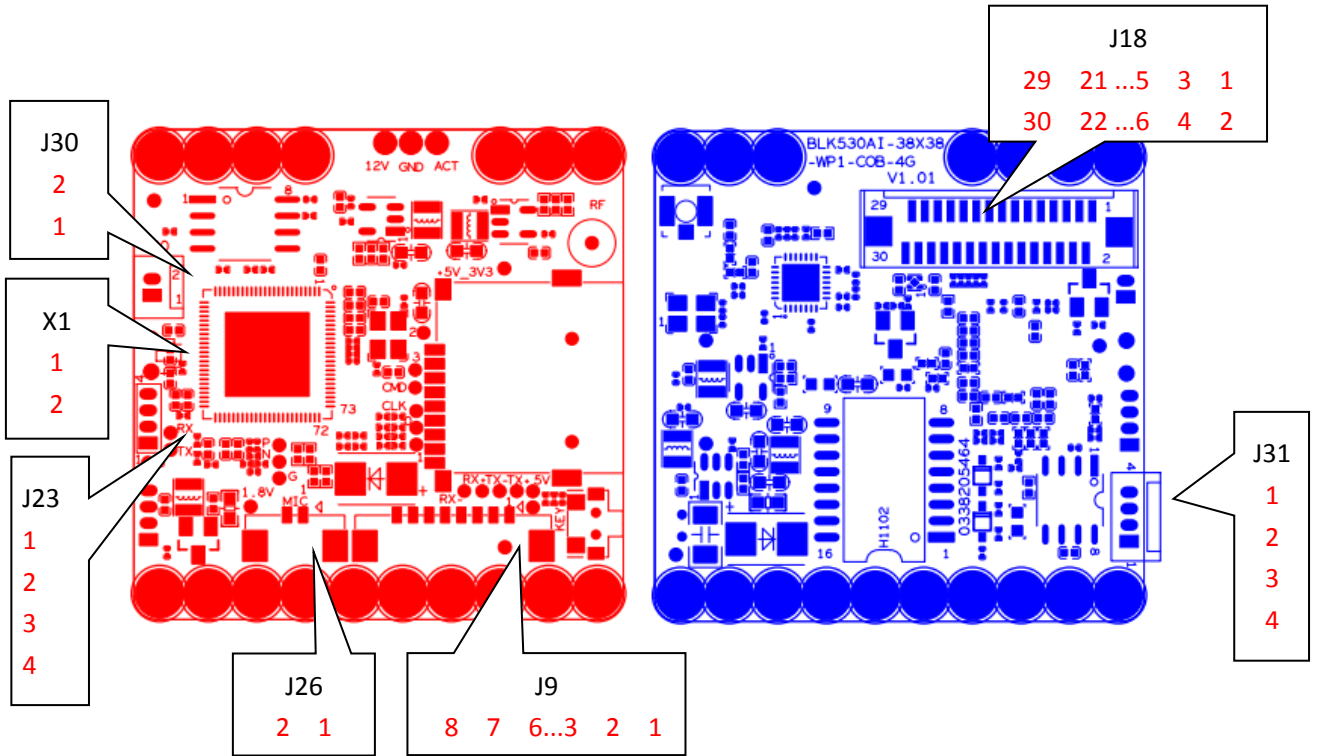
- 5MP resolution, low illumination clear and fine images;
- Support for wired and wireless connections
- Support 2D/3D noise reduction,digital wide dynamic;
- AdvancedH.265X video compression,Super low rate,high definition quality of image;
- Professional anti-lightning,conform to GB/T17626.5 and IEC61000-4-5.
- Support ONVIF;access third party;
- Support mobile phone monitoring(iOS, Android);
- Support cloud technology,easy to achieve network penetration,fro in-line and alarm information pushed

Parameters:

Model	IPG-X5-WE
System structure	dual-core 32-bit DSP (XM550),pure hard compression ,watch dog
Sensor	5MP 1/2.7"SC5335P low illumination CMOS sensor
Min.Illumination	Color: 0.001Lux @(F1.2,AGC ON); 0 Lux with IR Black/White: 0.0001 Lux @ (F1.2,AGC ON),0 Lux with IR
Video compression	H.265X coding,support dual stream,AVI;0.1M~10Mbps variable
Image output	Main stream: 2592*1944@12fps; sub-stream: 640*360@12fps
Shutter	1/50(1/60)s to 1/10,000s
Lens	N/A
Day and night	Support IR-CUT
Noise reduction	Support 2D/3D
Wide dynamic	Support
Auto iris	N/A
Audio compression	G.711 standard compression,support two-way Bidirectional Talk,support for audio and video synchronization
Audio interface	1ch input,level:2Vp-p,impedance:1kΩ,support sound pick-up input;1ch output,impedance:16Ω,30mw,support microphone;
Network interface	1 RJ45 Ethernet interface, 10/100M adaptive(Merge with power interface)
Extension interface	N/A
Singal interface	one IR-CUT interface
PTZ	N/A
Motor interface	N/A
Alarm I/O	N/A
WIFI interface	Supports wireless connections
Reset interface	Support
Storage mode	Local TF card, up to 128G; cloud storage
Reliability	Comprehensive lightning protection, 7 * 24 hours 65 °C high temperature stable and reliable testing
Intelligence analysis	Supporting human detection and customizing other intelligent functions
Other function	It supports remote monitoring of mobile client, push message after alarm of human figure detection, and supports MJPEG capture;
ONVIF	Support
Mobile monitoring	Support
Power	DC12V
Dimension	38mm*38mm+38mm*38mm

IPG-X5-WE

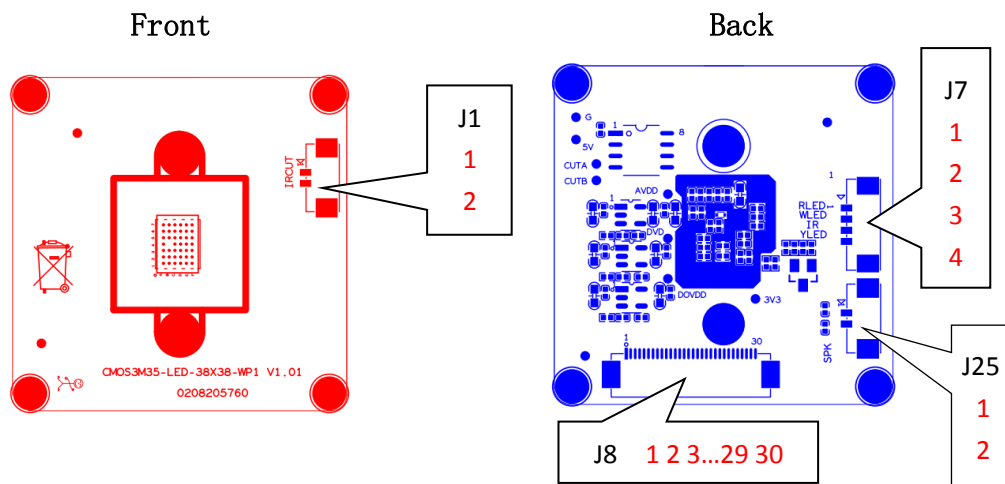
Interface description



Socket	Specific No	Interface Description	Function
J9	1	KEY_SET	KEY_SET
	2	LED1	LED/PHY_AD1
	3	ETHTX+	Ethernet signal+
	4	ETHTX-	Ethernet signal-
	5	ETHRX+	Ethernet signal+
	6	ETHRX-	Ethernet signal-
	7	GND	GND
	8	12V	12V DC input
J26	1	MICIN	MIC IN-
	2	MICIP	MIC IP+
X1	1	RTC_BAT	RTC_BAT
	2	GND	GND
J23	1	GND	GND
	2	UART0_TXD	UART0_TXD
	3	UART0_RXD	UART0_RXD
	4	BOOST	ROM

J18	1	I_MIPI_DATA1N_D8	MIPI data 1 negative signal / DVP data DATA8	Connect the sensor module
	2	I_MIPI_DATA1P_D9	MIPI data 1 positive signal / DVP data DATA9	
	3	I_MIPI_DATA2N_D4	MIPI data 2 negative signal / DVP data DATA4	
	4	I_MIPI_DATA2P_D2	MIPI data 2 positive signal / DVP data DATA2	
	5	I_MIPI_DATA3N_D5	MIPI data 3 negative signal / DVP data DATA5	
	6	I_MIPI_DATA3P_D3	MIPI data 3 positive signal / DVP data DATA3	
	7	I_MIPI_CLKP_D7	MIPI clock positive signal / DVP data DATA7	
	8	I_MIPI_CLKN_D6	MIPI clock negative signal / DVP data DATA6	
	9	I_MIPI_DATA0P_D10	MIPI data 2 positive signal / DVP data DATA10	
	10	I_MIPI_DATA0N_D11	MIPI data 3 negative signal / DVP data DATA11	
	11	GND	GND	
	12	ADC1_IN	ADC sampling signal	
	13	SENO_MCLK	Sensor clock input	
	14	GND	GND	
	15	SDA	I2C data line	
	16	SCL	I2C clock line	
	17	IRCUT_A	IRCUT_A	
	18	IRCUT_B	IRCUT_B	
	19	SENSOR_VS	DVP frame synchronization	
	20	SENSO_HS	External synchronization trigger	
	21	SENSOR_PCLK	Sensor clock signal	
	22	GND	GND	
	23	SPKP	speaker	

	24	SPKN	speaker	
	25	WLED_GPI0041	LED light panel control	
	26	RLED_GPI0039		
	27	YLED_GPI0093		
	28	GND	GND	
	29	3V3	3.3V power output	
	30	+5V	5V power output	
J30	1	UART1_TXD	Serial output	PTZ control
	2	NC	NC	



Socket	Specific No	Interface Description	Function	
J1	1	IR_CUTA	IR_CUTA	IR-CUT
	2	IR_CUTB	IR_CUTB	
J7	1	RLED_GPI0039	Alarm input / red light control (double light panel)	
	2	WLED_GPI0041	Alarm input / white light control (double light panel)	
	3	ADCIN	IR hard photosensitive signal	
	4	YLED_GPI0093	Yellow light control	
J8	1	I_MIPI_DATA1N_D8	MIPI data 1 negative signal / DVP data DATA8	
	2	I_MIPI_DATA1P_D9	MIPI data 1 positive signal / DVP	
			Connect to main control board	

		data DATA9
3	I_MIPI_DATA2N_D4	MIPI data 2 negative signal / DVP data DATA4
4	I_MIPI_DATA2P_D2	MIPI data 2 positive signal / DVP data DATA2
5	I_MIPI_DATA3N_D5	MIPI data 3 negative signal / DVP data DATA5
6	I_MIPI_DATA3P_D3	MIPI data 3 positive signal / DVP data DATA3
7	I_MIPI_CLKP_D7	MIPI clock positive signal / DVP data DATA7
8	I_MIPI_CLKN_D6	MIPI clock negative signal / DVP data DATA6
9	I_MIPI_DATA0P_D10	MIPI data 2 positive signal / DVP data DATA10
10	I_MIPI_DATA0N_D11	MIPI data 3 negative signal / DVP data DATA11
11	GND	GND
12	ADC1_IN	ADC sampling signal
13	SENO_MCLK	Sensor clock input
14	GND	GND
15	SDA	I2C data line
16	SCL	I2C clock line
17	IRCUT_A	IRCUT_A
18	IRCUT_B	IRCUT_B
19	SENSOR_VS	DVP frame synchronization
20	SENSOR_HS	External synchronization trigger
21	SENO_PCLK	Sensor clock signal
22	PWM	PWM wave output
23	SPKN	speaker
24	SPKP	speaker
25	WLED_GPI0041	White light control signal
26	RLED_GPI0039	Infrared lamp control signal
27	YLED_GPI0093	Flash control signal

	28	GND	GND	
	29	3V3	3.3V power	
	30	+5V	5V power	
J25	1	SPKN	speaker	speaker
	2	SPKP	speaker	interface