N4
### 4.0M Low illumination H.265 IP Camera Module

Features:

➤ Supporting Face detection，Humanoid detectionn, and supports customization of other smart functions;

➤ 4.0MP HD Low illumination resolution,clear and fine images;

➤ Support 2D/3D noise reduction,digital wide dynamic;

➤ Advanced H.265AI(Compatible with H.265/H.264) 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 various mobile monitoring(iPhone,Android);

➤ Provide web、CMS、center platform management software MYEYE,provide SDK development

➤ Support cloud technology,easy to achieve network penetration,fro in-line and alarm information pushed

Parameters：

Model	N4
System structure	Embedded RTOS,dual-core 32bit DSP(NT98562),pure hard compression ,watch dog
Sensor	4.0M 1/3"SC401AI Low illumination CMOS sensor,color 0.01Lux@F1.2,black/white 0.001Lux@F1.2
Video compression	H.265AI(Compatible with H.265/H.264),support dual stream,AVI;0.1M~8Mpbs variable;1~30f/s variable
Image output	Main stream: 2560*1440@25fps,2304*1296@25fps,1920*1080@25fps; sub-stream: 800*448@25fps;
Shutter	1/50(1/60)s to 1/10,000s
Lens	N/A
Day and night	Support IR-CUT,IR-CUT coil has an internal resistance of 20 ohms, the power-on time is less than 200ma, and the voltage is 3.5V-6V
Noise reduction	Support 2D/3D
Wide dynamic	Support digital
Auto iris	N/A
Audio compression	G.711,support bidrectional talk,audio&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 10/100M adaptive Ethernet port; support RTSP/FTPDHCP/NTP/UPnP etc
Extension interface	N/A
Singal interface	One photo resistance interface,one IR-CUT interface ,support photo resistance signal and IR-CUT links to IR
PTZ	N/A
Motor interface	N/A
Alarm I/O	N/A
WIFI interface	N/A
Reset interface	N/A
SD Card	N/A
Reliability	Comprehensive lightning protection, 7 * 24 hours -10℃～65℃high temperature stable and reliable testing
Intelligence analysis	Supporting Face detection，Humanoid detectionn, and supports customization of other smart functions etc.
Other function	Support WEB,OSD,live video transmission,motion detect and IO alarm,front-end storage/playback/download, and center reminder and image linkage,support JPEG capture；united remote client monitoring sofaware、MYEYE;perfect SDK;
ONVIF	Support
Mobile monitoring	Support multiple mobile monitoring（iOS，Android）
Power	DC12V/2A input, power consumption:≤3W,
Dimension	38mm*38mm
Other	Support POE power supply, not support any custom,The drive voltage of the light board is at 3.3V
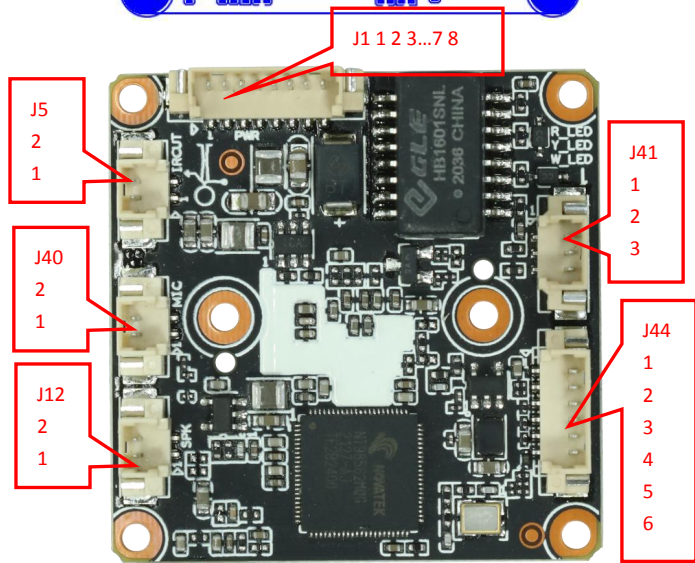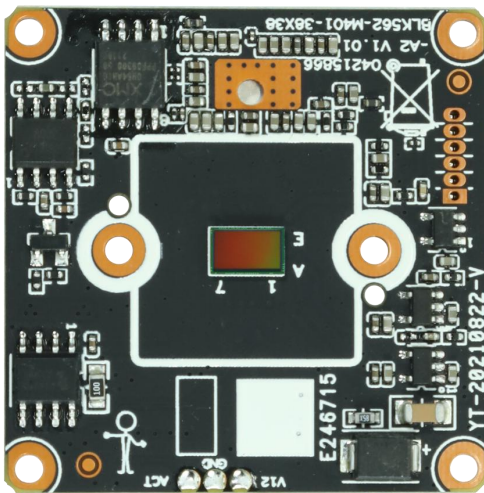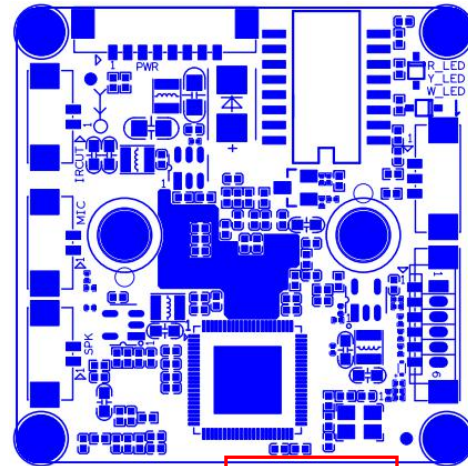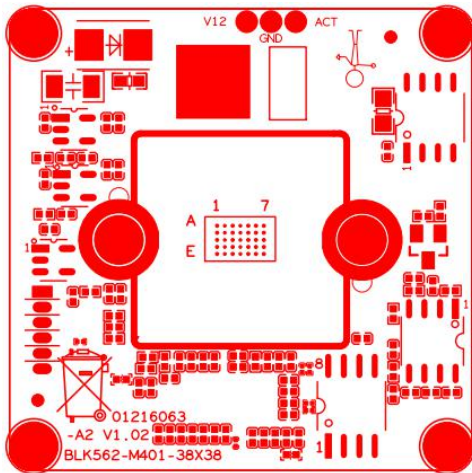
Specific No	Interface Description	Function	Socket
J5	1	IR-CUTA	IR-CUT Control line
	2	IR-CUTB	IR-CUT Control line
J44	1	GND	GND
	2	UART_RX	UART_RX
	3	UART_TX	UART_TX
	4	GPIO_003	IO
	5	GPIO_004	IO
	6	ALARM-IN	Alarm input
J1	1	LED/PHY_AD0	LED/PHY_AD0
	2	LED/PHY_AD1	LED/PHY_AD1
	3	ETHTX+	Ethernet signal+
	4	ETHTX-	Ethernet signal-
	5	ETHRX+	Ethernet signal+

	6	ETHRX-	Ethernet signal-
	7	GND	GND
	8	12V input	12V INPUT
J12	1	SPKN	Speaker-
	2	SPKP	Speaker+
J40	1	GND	GND
	2	MIC_INP	AUDIO INPUT
J41	1	R_LED	Infrared light control
	2	ADC1_IN	Infrared signal input
	3	W_LED	White light control