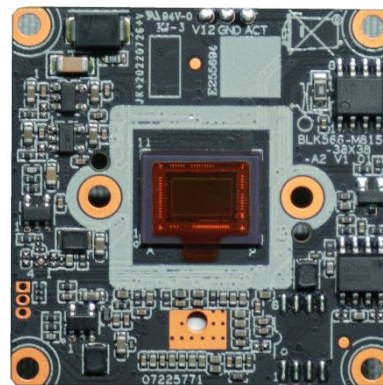


IVG-N8S

8.0M Black light illumination H.265 IP Camera Module

Features:

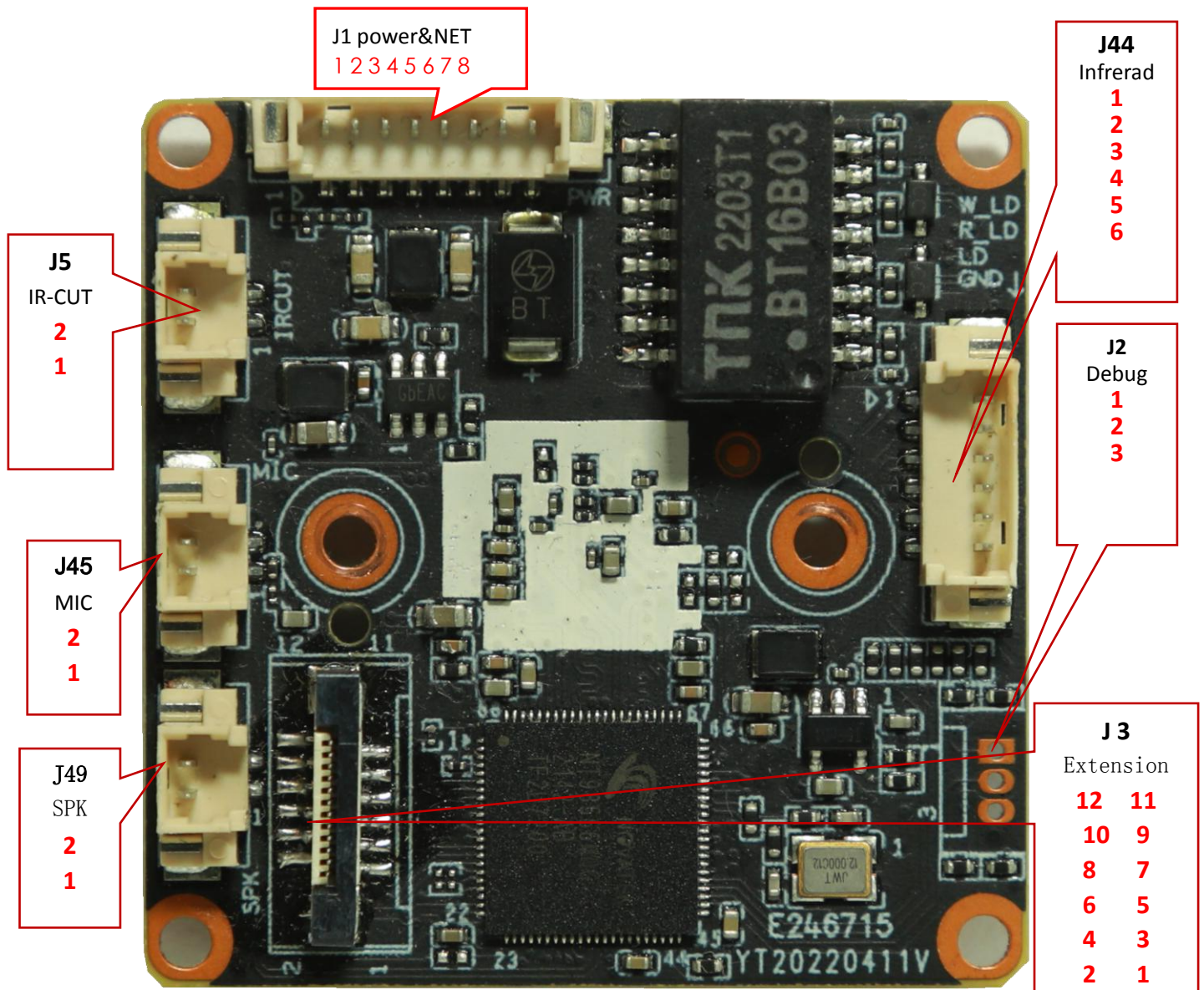
- Supporting Face detection, Humanoid detection, Vehicle detection, and supports customization of other smart functions;
- 8.0MP HD Black light illumination resolution, clear and fine images;
- Support 2D/3D noise reduction, digital wide dynamic;
- Advanced H.265AI/H.265+(Compatible with H.265/H.264) video compression, Super low rate, high definition quality of image;
- Professional anti-lightning, conform to GB/T17626.5 and IEC61000-4-5.
- Support Unifaces 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, for in-line and alarm information pushed



Parameters:

	Model	IVG-N8S
Module	System structure	Embedded RTOS, dual-core 32bit DSP (NT98566), pure hard compression, watch dog
	Sensor	8.0M 1/2.8" IMX415 Black light illumination CMOS sensor, color 0.0001Lux@F1.2, black/white 0.0001Lux@F1.2
	Video compression	H.265AI (Compatible with H.265/H.264), support dual stream, AVI; 0.1M~8Mbps variable; 1~30f/s variable
	Image output	Main stream: 8MP 3840*2160@15fps; 5MP 2880*1616@25fps; 4MP 2560*1440@25fps; 2MP 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
Image	Noise reduction	Support 2D/3D
	Wide dynamic	Support digital
	Auto iris	N/A
Interface	Audio compression	G.711, support bidirectional 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/FTP/DHCP/NTP/UPnP etc
	Extension interface	Support extended SD card and WiFi
	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 (Extended support)
	Reset interface	N/A
	SD Card	N/A (Extended support)
Intelligence	Intelligence analysis	Supporting Face detection, Humanoid detection, Vehicle detection, and supports customization of

		other smart functions etc.
Other function	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 FTP capture; united remote client monitoring software、MYEYE;perfect SDK;
	ONVIF	Support
	Mobile monitoring	Support multiple mobile monitoring (iOS, Android)
General	Reliability	Comprehensive lightning protection, 7 * 24 hours -10℃~65℃high temperature stable and reliable testing
	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 IRCUT	1	IR-CUT	IR-CUT Control line
	2	IR-CUT	IR-CUT Control line
J2 Debug	1	UART0_RXD	Debug
	2	UART0_TXD	Debug
	3	GND	GND
J44 Infrared	1	W_LED_GPIO0_4	W_LED_GPIO0_4
	2	R_LED_GPIO2_0	R_LED_GPIO2_0
	3	LED/GPIO6_5	LED/GPIO6_5
	4	GND	GND
	5	IO/GPIO6_4	IO/GPIO6_4
	6	IO/GPIO1_7	IO/GPIO1_7
J1 Power&Ethernet	1	ETH_LINK_ACT_LED	LED/PHY_AD0
	2	ETH_LINK_STA_LED	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 INPUT
J45 MIC	1	MICN	MIC
	2	AC_IN	
J49 SPK	1	SPKN	SPK
	2	SPKP	
J3 Extension ports	1	SDIO0_CCLK_OUT	SDIO0_CCLK_OUT
	2	SD_DATA0	SD DATA0
	3	SD_DATA1	SD DATA1
	4	SD_DATA2	SD DATA2
	5	SD_DATA3	SD DATA3
	6	SD_CMD	SD_CMD
	7	WIFI_PDN	WIFI_PDN
	8	GND	GND
	9	WIFI_DN	WIFI_DN
	10	GND	GND
	11	WIFI_DP	WIFI_DP
	12	3V3	3V3