IVG-HP500NR-AE

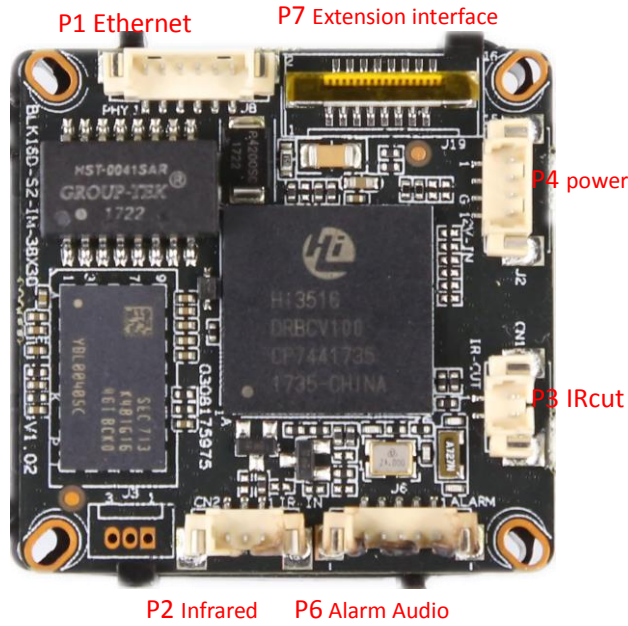## 5.0M H.265 Intelligent analysis Network Camera Module

Features:

➢ 5.0M HD resolution,clear and fine images;
➢ Support multiple intelligent analysis;
➢ Support 2D/3D noise reduction,digital wide dynamic;
➢ Advanced 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	IVG-HP500NR-AE
System structure	Embedded RTOS,dual-core 32bit DSP(Hi3516D),pure hard compression ,watch dog
Sensor	5.0M 1/2.5" PS5510 CMOS sensor ,color 0.1Lux@F1.2,black/white 0.01Lux@F1.2
Video compression	H.265/H.264,support dual stream,AVI;0.1M~10Mpbs variable;1~30f/s variable
Image output	Main stream: 5MP 2592*1944@15fps;4MP 2560*1440@25fps;3MP 2048*1536@25fps; sub-stream: 704*576@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
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/FTP/PPPOE/DHCP/DDNS/NTP/UPnP etc
Extension interface	1*USB,support WIFI/3G,support SD；1ch Alarm output；reset key；1ch Alarm input or LED panel；RTC battery
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	1/0(support alarm input and video link to background)
WIFI interface	N/A
Reset interface	N/A
SD Card	N/A
Reliability	Comprehensive lightning protection, 7 * 24 hours 65 ℃ high temperature stable and reliable testing
Intelligence analysis	Alarm line,alarm region,goods stranded,video block,fuzzy detection,scene change
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 (optional) ，The drive voltage of the light board is at 3.3V

sign	Socket	Specific No	Interface Description	Function
P1	J3	1	ETHRX-	Ethernet signal
		2	ETHRX+	Ethernet signal
		3	LED/PHY_AD3	LED
		4	ETHTX-	Ethernet signal
		5	ETHTX+	Ethernet signal
		6	LED/PHY_AD0	LED
P2	J2	1	红外输入	Infrared input
		2	GND	GND
		3	+5V	5V DC input
P3	J4	1	BOUT	IRCUT output
		2	AOUT	IRCUT output
P4	J7	1	NC	Undefined
		2	NC	Undefined
		3	GND	GND
		4	12V	12V DC input
P5	J1	1	UART_RX	
		2	UART_TX	
		3	GND	GND
P6	J6	1	AC_OUT	AC_OUT
		2	MIC_P	MIC_P
		3	GND	GND
		4	ALARM_IN	ALARM_IN
		5	GND	GND
P7	J19	1	SD_CLK	SD_CLK

		2	SD_CMD	SD_CMD
		3	SD_DATA0	SD_DATA0
		4	SD_DATA1	SD_DATA1
		5	SD_DATA2	SD_DATA2
		6	SD_DATA3	SD_DATA3
		7	LED_CTRL	LED_CTRL
		8	GND	GND
		9	Key-set	Key-set
		10	BAT	RTC RTC battery input
		11	GND	GND
		12	ALARM_OUT	ALARM_OUT
		13	USB_DM	USB_DM
		14	USB_DP	USB_DP
		15	+5V	+5V
		16	USB_CONTRL	USB_CONTRL