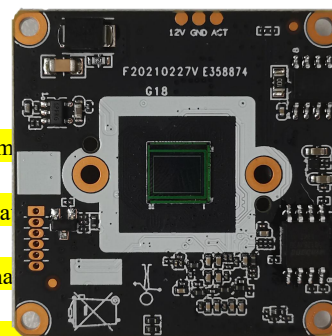


IVG-G5S

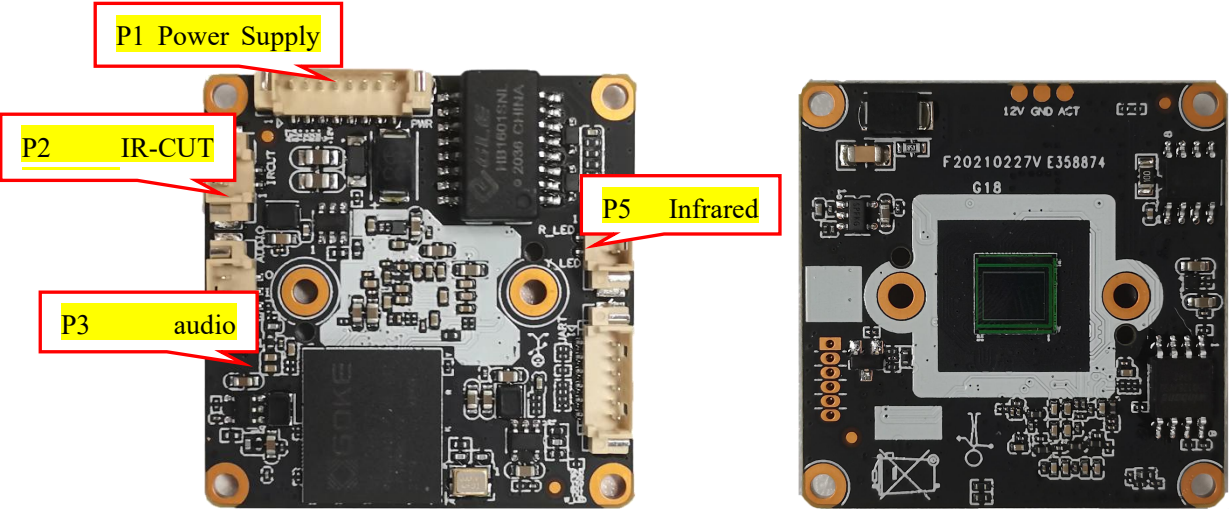
5 million units of H.265 intelligent network HD camera modules

Functional Features:

- Supports human detection and face detection, and allows customization of additional intelligent features;
- 5MP high-definition resolution, low-light performance, delivering clear and detailed images;
- Supports 2D/3D noise reduction and digital wide dynamic range capabilities;
- Advanced H.265+ (compatible with H.265/H.264) video compression technology, featuring ultra-low bitrates and high-definition image quality;
- Lightning protection complies with the national standard GB/T 17626.5 and the international standard IEC 61000-4-5;
- Supports the ONVIF protocol, enabling integration with third-party backends/platforms;

**Product**

Specifications	IVG-G5S
structure of a system	Embedded RTOS design, dual-core 32-bit DSP (GK7205V300), pure hardware compression, watchdog timer
sensor	5 MP, 1/2.8" IMX335 black-light CMOS sensor; color: 0.0001 lux @ f/1.2, black & white: 0.0001 lux @ f/1.2
video processing	H.265+ (compatible with H.265/H.264) encoding, dual-bitstream, AVI format; bitstream rate adjustable from 0.1 Mbps to 8 Mbps; frame rate adjustable from 1 to 30 fps
image output	Main stream: 2592×1944@20fps, 2560×1440@25fps, 2304×1296@25fps, 1920×1080@25fps; Sub-stream: 800×448@25fps
shutter	1/50 (1/60) s to 1/10,000s
camera lens	not have
Day/night switching mode	Supports IR-CUT; IR-CUT coil internal resistance: 20 Ω; operating current: <200 mA; operating voltage: 3.5 V - 6 V
denoise	Supports 2D/3D noise reduction
Wide Dynamic	Supports digital wide dynamic range
automatic diaphragm	not have
Audio Processing	The G.711A codec standard supports bidirectional voice intercom functionality and audio-video synchronization.
Audio interface	One input channel: 2 V _{p-p} level, 1 kΩ impedance, supports microphone input; one output channel: 16 Ω impedance, 30 mW output power, supports connection to headphones or an amplifier.
network interface	One RJ45 Ethernet port with 10/100M auto-negotiation; supports network protocols including RTSP, FTP, DHCP, NTP, and UPnP.
Extended Interface	Supports external audio power amplifiers, white light signal control, and generic I/O pins for extending additional functionalities.
signal interface	One photoresistor interface and one IR-CUT drive interface, supporting linkage between the photoresistor input signal and the IR-CUT module as well as the infrared lamp.
Pan-Tilt Interface	not have
Motor Interface	not have
report to the police I/O	not have
WIFI antenna port	not have



tagging	Screen printing number	Pin numbering	Pin Definition	function
P1	J1	1	ACT_LED	pilot lamp
		2	STA_LED	pilot lamp
		3	ETHTX+	Network port data transmission
		4	ETHTX-	Network port data transmission
		5	ETHRX+	Network port data received
		6	ETHRX-	Network port data received
		7	GND	landing
		8	+12V	12V input
P2	J5	1	IR-CUT	IR-CUTdrive
		2	IR-CUT	IR-CUTdrive
P3	J40	1	GND	landing
		2	AC_IN	Audio Input
		3	AC_OUT	Audio output
P4	J44	1	GND	landing
		2	UART0_RXD	Debug serial port reception
		3	UART0_TXD	Debug serial port transmission
		4	UART1_RXD	Serial port reception
		5	UART1_TXD	Audio I/O port amplifier

		6	W_LED	White light control
P5	J41	1	R_LED	Soft infrared signal control interface
		2	Y_LED	Hard photoinitiating infrared interface
			P4 UART	