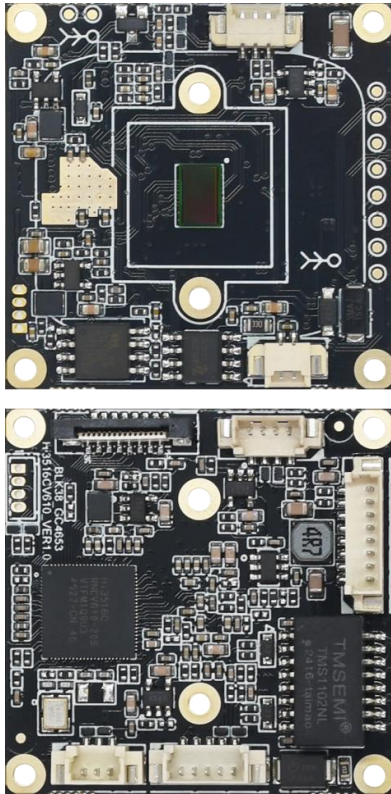


4MP GC4653 CMOS BLH/HLC

3D-DNR Onvif IP Camera Module

Key Features



- 1/2.8" 4MP GC4653 CMOS Sensor.
- H. 265+, H.265, H.264 encoding
- Supports mirroring, flipping; BLH, HLC, 3DNR, Defog; Digital WDR
- Supports infrared/full-color/dual light modes, PWM dimming
- Standard ONVIF, GB28181, HIK, DH and other proprietary protocols
- Provide SDK development kit, support secondary development, support CGI, HTTP, WEBSOCK protocol docking
- Intelligent functions: motion detection, area intrusion, intelligent PTZ, departure alarm
- Google Core Browser without plugins
- Supports UVC

Technical parameters

Model	SVN-HS463L
Camera	
DSP	Hi3516CV610, ARM Cortex-A7 MP2@950MHz Dual-Core
Image sensor	4MP 1/2.8 GC4653 CMOS sensor, color: 0.0001Lux@F1.0; Black and white: 0Lux@IR NO
DDR	16MB
Flash	128MB
Watchdog	System watchdog
WDR	80dB
Image parameters	
Main stream	25 fps@ (2560*1440)30 fps@ (1920*1080)
Subcode stream	30 fps@ (704*576, 640*480)
Video compression standard	H.265+/H.265/H.264
Video compression bitrate	512 Kbps~10 Mbps
white balance	Automatic/Manual/Onetime White Balance
Electronic shutter	1/12 second to 1/100000 second
Noise reduction	Support 3D/2D noise reduction
WDR	Support digital wide dynamic range
Image function	Support BLC, HLC, Defog, anti-flicker, lens correction, mirroring, flipping, gain and other functions
Audio	

Audio Interface	1-channel input, supporting microphone or microphone input; 1 output, supports connecting headphones or amplifiers
Audio Compression	G711U / G711A / AAC-LC
Network	
Simultaneously preview the number of routes	Maximum 6CH
Network protocol	CGI, HTTP, HTTPS, GB28181, SIP, RTMP, TCP/IP, UDP, RTP, FTP, RTCP, RTSP, NTP, DHCP, DNS, DDNS, SNMP, SSL/TLS, WebSocket; Support standard protocols such as ONVIF
Browser	Preview using plugins: IE10, IE11 Preview without plugins: Edge, Chrome, Firefox, etc
Auxiliary interface	
Network	1 RJ45 Ethernet port, 10 M/100 M adaptive
Audio	1-channel input: supports microphone or microphone input; 1-channel output: supports connecting headphones or amplifiers
Lamp board control	Supports photosensitive detection input and PWM dimming
USB port	1 USB 2.0 interface (5V power supply), supporting expansion of 4G/WiFi (dual band)/storage functions/UVC
General	
Size	38*38*10.8mm, 38 Single board structure
weight	10g
Operation temperature	-20℃~+60℃
Power supply	DC12V, 1.3W

Interface definition

1. 5V OUT
2. USB_DM
3. USB_DP
4. GND

1. 12V IN
2. GND
3. RJ45_P1/TX0+
4. RJ45_P2/TX0-
5. RJ45_P3/RX1+
6. RJ45_P6/RX1-
7. LINK indicator light
8. ACT indicator light

1. SDIO interface

1. DC3V3 OUT
2. UART0_TXD(debug)
3. UART0_RXD(debug)
4. GND

5. Alarm input
4. Reset input
3. GND
2. AUDIO LINE OUT
1. AUDIO LINE IN/MIC IN

3. GND
2. UART2_RX
1. UART2_TX

1. Light sensitive feedback input
2. White light dimming control output
3. IR light dimming control output

2. IR-CUT_B
1. IR-CUT_A

