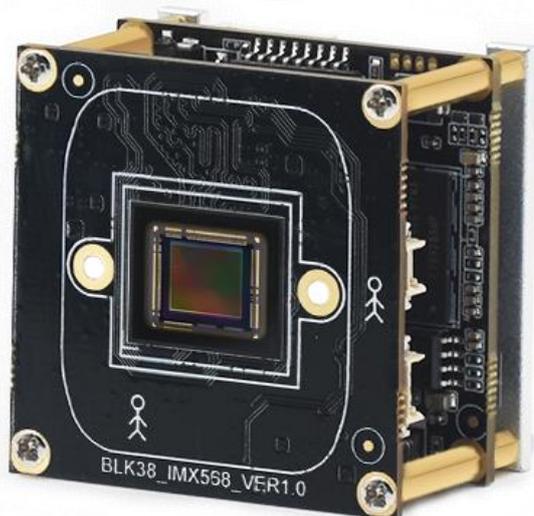


# 5MP IMX568 Global Exposure

## CMOS Onvif IP Camera Module

### Key Features



- 1/1.8" 5MP IMX568 Global exposure 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
- Support electric zoom (optional), automatic aperture (optional)
- Provide SDK development kit, support secondary development, support CGI, HTTP, WEBSOCK protocol docking
- AIISP image enhancement, enhancing low noise effect
- Google Core Browser without plugins
- Support UVC

### Technical parameters

Model	SVN-HD568G
<b>Camera</b>	
DSP	Hi3516DV500, ARM Cortex A55@850MHz Dual-Core
DDR	1Gbit DDR4
Flash	128MB SPI NAND Flash
Image sensor	5MP 1/1.8 IMX568 Global exposure CMOS sensor, color: 0.001Lux@F1.2 Black and white: 0.001Lux@F1.2
Watchdog	System watchdog
WDR	120dB
<b>Image parameters</b>	
Main stream	30fps@ (2448*2048, 2296*1920, 2048*1712, 1920*1080)
Subcode stream	30fps@ (704*576, 640*480)
Third stream	30fps@ (704*576, 640*480, 640*352, 320*240)
Video compression standard	H.265+/H.265/H.264
Video compression bitrate	512 Kbps~32 Mbps
white balance	Automatic/Manual/One time White Balance
Electronic shutter	1/12 second to 1/100000 second
Noise reduction	Support 3D/2D noise reduction
WDR	Support digital wide dynamic range
Auto Iris	Support DC IRIS automatic aperture
AIISP	Support AIISP image enhancement

Image function	Support BLC, HLC, Defog, anti-flicker, lens correction, mirroring, flipping, gain and other functions
<b>Audio</b>	
Audio Interface	1-channel input, supporting microphone or microphone input; 1 output, supports connecting headphones or amplifiers
Audio Compression	G711U / G711A / AAC-LC
<b>Network</b>	
Simultaneously preview the number of routes	Maximum 12CH
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
<b>Auxiliary interface</b>	
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
<b>General</b>	
Size	38*38*10.8mm, 38 Double Plate Structure
weight	10g
Operation temperature	-20°C ~ +60°C
Power supply	DC12V, 2.9W (MAX)

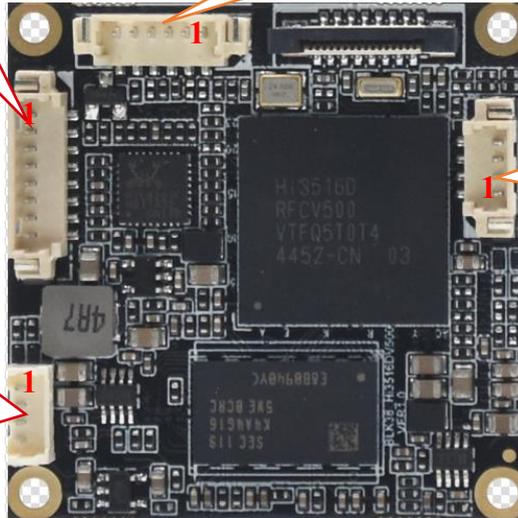
# Interface definition

1. 12V IN
2. GND
3. ETH\_P1/TX+
4. ETH\_P2/TX-
5. ETH\_P3/RX+
6. ETH\_P6/RX-
7. LINK indicator light
8. ACT indicator light

1. AUDIO IN
2. AUDIO OUT
3. GND
4. System Reset
5. RS485\_A
6. RS485\_B

4. GND
3. USB\_DM
2. USB\_DP
1. 5V OUT

1. 3V3
2. UART0\_TX
3. UART0\_RX
4. GND



1. IR-CUT\_A
2. IR-CUT\_B

1. Light sensitive feedback input
2. GND
3. PWM Dimming output

4. damping -
3. damping +
2. drive +
1. drive -

