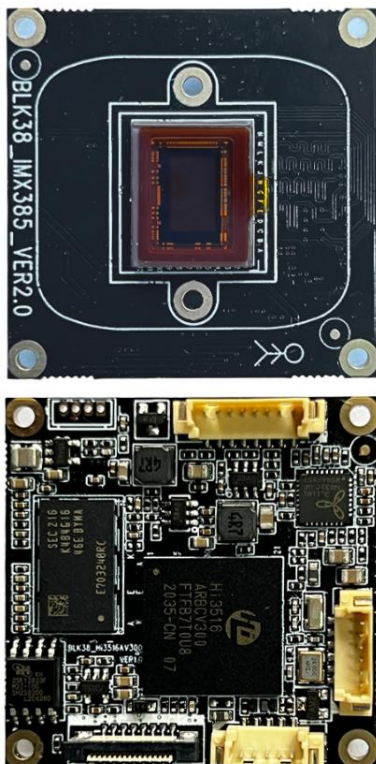


2MP IMX 385 CMOS Sensor H.265

Onvif 38*38 IP Camera Module



Key Features

- 1/2" 2MP CMOS Sensor;
- Standard 38*38 Double layers boards structure;
- H.265+, H.265, H.264 encoding;
- Supports image flip, backlight compensation, glare suppression, 3D digital noise reduction, fog transmission, and digital wide motion;
- IR/full color mode, support PWM dimming;
- Standard ONVIF
- Supports motorized zoom (optional)
- Intelligent functions: motion detection
- Provide SDK development kit, support secondary development

Technical parameters

Model	
Model No.	SV-NHD385A
Master chip	Hi3516A300, Cortex A7@900MHz
Image Sensor	1/2" Progressive Scan CMOS IMX385
Minimum illumination	Color: 0.01Lux@F1.2 (AGC ON), B/W: 0 Lux (IR ON)
Wide dynamic	120 dB
Main stream	120fps@(1920*1080, 1280*960, 1280*720)
Substream	120fps@(704*576, 640*480)
Video compression standard	H.265+/H.265/H.264
Video compression bit rate	32 Kbps~16 Mbps
H.264 encoding type	BaseLine Profile/Main Profile/High Profile
H.265 encoding type	Main Profile
Bitrate control	Fixed Bit Rate, Variable Bit Rate
Character overlay	support
Image enhancement	Backlight Compensation, Glare Suppression, 3D Digital Noise Reduction, Fog Transmission
Image Settings	Rotation, Saturation, Brightness, Contrast, Sharpness, AGC, White Balance, Support Day/Night Conversion
Audio interface	1 input, support microphone or pickup input; 1 output, support connecting headphones or amplifier
Audio sampling rate	8 kHz
Audio Compression Standards	G.711ulaw / G.711alaw / G.726 / AAC-LC

Simultaneous previews	Maximum 6 channels
Network protocol	Supports HTTP, HTTPS, TCP/IP, UDP, RTP, FTP, RTCP, RTSP, NTP, DHCP, DNS, DDNS, SNMP, SSL/TLS, WebSocket, UPNP, PPPOE, etc., supports ONVIF and other standards-based agreements
Browser	Preview using plug-ins: IE10, IE11 Preview using native services: Edge, Chrome, Firefox, etc.
Network	1 RJ45 Ethernet port, 10 M/100 M adaptive
Audio	1 input, support microphone or pickup input; 1 output, support connecting headphones or amplifier
lamppanel	Support photosensitive detection input, support PWM dimming
USB port	1 USB2.0 interface (5V power supply), support the expansion of 4G/WiFi function
Reset	Support
Sizes	38×38×10.8mm, 38 Double layers boards structure
weights	10g
operating temperature	-20℃～+60℃
Power supply & power consumption	DC12V power input, 1.2W (MAX) power consumption

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 lamps
8. ACT indicator lamps

1. 3V3
2. UART0_TX
3. UART0_RX
4. GND

1. AUDIO IN
2. AUDIO OUT
3. GND
4. System Reset
5. RS485_A
6. RS485_B

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

1. Drive -
2. Drive +
3. Damp +
4. Damp -

1. Photosensitive Feedback Input
2. GND
3. PWM dimming output

1. IR-CUT_A
2. IR-CUT_B

