

2MP IMX 307 CMOS Sensor

H.265+ Onvif 38*38 Module



Key Features

- 1/2.8" 2MP CMOS Sensor;
- Standard 38*38 Single-layer 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;
- Support CVBS analog video output (optional)
- Standard ONVIF
- Supports motorized zoom (optional)
- Intelligent functions: motion detection, area intrusion, intelligent PTZ, off-duty alarms
- Provide SDK development kit, support secondary development

Technical parameters

Model	
Model No.	SV-NGS307C
Master chip	GK7205V300, Cortex A7@900MHz, 128MB Internal DDR3
Image Sensor	1/2.8" Progressive Scan CMOS IMX307
Minimum illumination	Color: 0.01Lux@F1.2 (AGC ON), B/W: 0 Lux (IR ON)
Wide dynamic	100 dB
Main stream	30fps@(1920*1080, 1280*960, 1280*720)
Substream	30fps@(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
CVBS Output	Support 1 CH CVBS analog video output (optional)
Sizes	38×38×10.8mm, 38 Single-layer boards structure
weights	10g
operating temperature	-20℃～+60℃
Power supply & power consumption	DC12V power input, 1.2W (MAX) power consumption

Interface definition

