# 2MP IMX307 Low Light 120dB IP Camera Module

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**Product features**

&H.265/H.264/MJPEG

&Video resolution：1920x1080/30fps

&Motor Lens: 2.8-12mm/6-22mm/5-50mm（optional）

&True WDR 120DB and AI denoise function

&Camera module built-in RTC battery

&support 2ch audio in&1ch audio out,1ch alarm in,1ch reset.

&TF card storage & alarm out &POE&WIFI are optional

&Support ONVIF Profile S

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| Order Model: M307H16V60-L11 | | |
| CPU Chips | | HI3516CV610-00S |
| DDR | | 4Gbit DDR3 |
| Flash | | 2Gbit SPI NAND Flash |
| Module Size: | | |
| One board | PCB size :38mm\*38mm，  Lens holder size:34mm\*34mm | |
| Image | | |
| CMOS Sensor | | SONY IMX307，1/2.8Inch Progressive Scan CMOS sensor |
| Wide dynamic range | | >120dB |
| Motor lens | | 2.8-12mm/6-22mm/5-50mm（(optional） |
| Video resolution | | 1920\*1080P/30fps |
| Video coding | | H.265/H.264/MJPEG |
| Stream | | Main stream：1920\*1080 1280\*720 1-30fps（Optional 60fps）  Sub stream：1280\*720 704\*576 352\*288 1-30fps（Optional 60fps） |
| Video Bit rate | | 16kbps~20Mbps，CBR/VBR/ |
| S/N Ratio | | ≥58dB |
| Min Illumination | | Color 0.01Lux@F1.2 |
| Audio | | |
| Audio Interface | | 1ch MIC In&Line In  1ch Line out(support voice intercom) |
| Audio Format | | G.711A、G.711U |
| Function | | |
| AE | | support |
| AGC | | support |
| AWB | | support |
| 3D | | support |
| Privacy Mask | | Support 4 areas |
| ROI | | support |
| Off network record video | | support |
| Motion detect | | Support 4detect areas |
| Day&Night Switch | | Built-in intelligent algorithm to auto control IR CUT switch,color and white&night auto switch |
| Video adjust | | Adjustable image contrast, brightness, saturation, sharpness and image mirroring, flipping, fog penetration, strong light suppression, backlight compensation, noise reduction level, digital wide dynamic, etc. |
| Corridor mode | | support |
| Remote manager | | System setting/Video stream management/Account management/Network management |
| Alarm Detect | | E-mail alarm,PC client alarm,Motion detect alarm |
| Function Interface | | 1ch Reset |
| 2group TTL serial port,use to connect communicate device or PTZ control  (1 ch can be choose RS485 port) |
| 1ch alarm in(standard),1ch alarm out（optional,need add one board） |
| SD/TF card storage，max 1T（optional,need add one board） |
| OSD | | OSD place ,color ,words can be config |
| Network | | |
| Ethernet Interface | | 10M/100M RJ45 Network Interface |
| Video stream | | Dual stream（Three stream to be customized） |
| Network protocol | | TCP/IP、UDP、RTP、RTSP、RTCP、RTMP、HTTP、DNS、DDNS、DHCP、NTP、PPPOE、SMTP、UPNP; |
| ONVIF | | ONVIF Profile S |
| CGI | | support |
| Environment | | |
| Working temperature | | -20°~+70° |
| Working humidity | | 10%~90% |

**Module pin definition:**

