5MP True Full-Color Camera Module

MC-J40H | 42 mm × 42 mm single board



Front view (left) / Rear view (right)

Key Features

- 1/1.8" CMOS image sensor
- AI algorithm for optimized image quality
- H.265+, H.265 and H.264 video encoding
- Software low-light sensitivity: full-color mode
- Intelligent analytics: human detection, region intrusion detection, tripwire (line-crossing) detection
- Two-way audio intercom, voice broadcast and custom voice prompts
- Image flip and digital WDR (Wide Dynamic Range)
- ONVIF compliant
- SDK development kit provided (Windows / Android / Linux)

Specifications

Model	MC-J40H
SoC	SSC38X
Image Sensor	1/1.8" CMOS
Video Processing	H.265+/H.265/H.264 video encoding; adjustable bitrate 0.1–4 Mbps; adjustable frame rate 1–25 fps
Video Output	Main stream: 25 fps @ 2880×1620 / 2688×1520 / 2560×1440 / 2304×1296 / 1920×1080 / 1280×720 Sub stream: D1 / VGA / 640×360

Audio Interface	1 channel line-in, 1 channel line-out
Audio Processing	G.711 encoding; two-way audio intercom; audio/video synchronization
IR-CUT Interface	Integrated IR-CUT switching circuit; day/night mode controlled automatically, manually or on schedule
Network Interface	1 × RJ45 Ethernet port, 10/100 Mbps auto-negotiation
LED Board Interface	PWM warm light
Reliability	Full surge protection for power supply and network, compliant with GB/T 17626.5 and IEC 61000-4-5
Business Functions	OSD; real-time audio/video streaming; accurate human detection; audio alarm
Network Protocols	HTTP, RTSP, DHCP, NTP, ONVIF, etc.
Power Supply	DC 12V power input
Operating Environment	-40 °C ~ +65 °C
Dimensions	42 mm (L) × 42 mm (W)