

MC-H12F

IP Camera Module — Product Specification



Specifications

General	
Model	MC-H12F
Main Control Chip	SSC338G
Image Sensor	OS12D40, 12MP, 1/2.49" CMOS
Video	
Video Encoding	H.265+ / H.265 / H.264
Bitrate	0.1 – 12 Mbps (adjustable)
Frame Rate	Resolution-dependent; see Main Stream below.
Main Stream	15FPS @ 3840×3104; 20FPS @ 3840×2160; 25FPS @ 3072×2048, 2592×1944, 2560×1440, 2304×1296, 1920×1080, 1280×720
Sub Stream	720×480, D1, VGA, 640×360
Lighting	
Light Mode	Dual-light: Full-color (warm) + Infrared
IRCUT	Integrated circuit; auto / external / manual / timer control
Light Interface	CDS, PWM infrared, PWM warm light
Audio	
Audio Codec	G.711
Audio Interface	1-ch linear input + 1-ch linear output
Two-way Audio	Supported
Smart Features	
AI Perimeter	Perimeter algorithm detection
IO Interface	Motorized zoom / autofocus interface; requires compatible lens, control board and firmware
Network	
Network Interface	1 × RJ45, 10/100M self-adaptive Ethernet
Protocols	HTTP, RTSP, DHCP, NTP, ONVIF, P2P; optional GB28181, RTMP, multi-NVR protocols
Mobile APP	VideoLink (iOS & Android)

SDK	Windows, Android, Linux
Power & Environment	
Power Supply	DC 12V
Working Temperature	-40°C to +85°C
Lightning Protection	GB/T17626.5, IEC61000-4-5
Dimensions	2 × 38 mm × 38 mm (dual-board)
Other	Supports POE expansion
Image Processing	Image flip