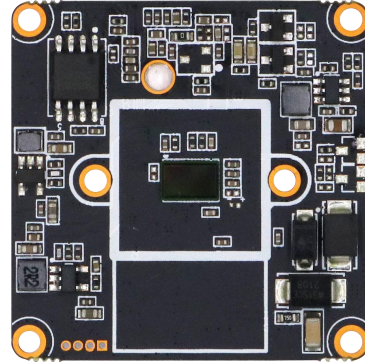
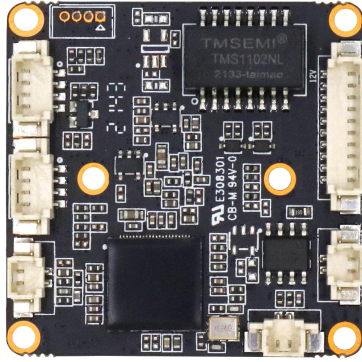


F4AI - Smart AI Camera



Product technical features

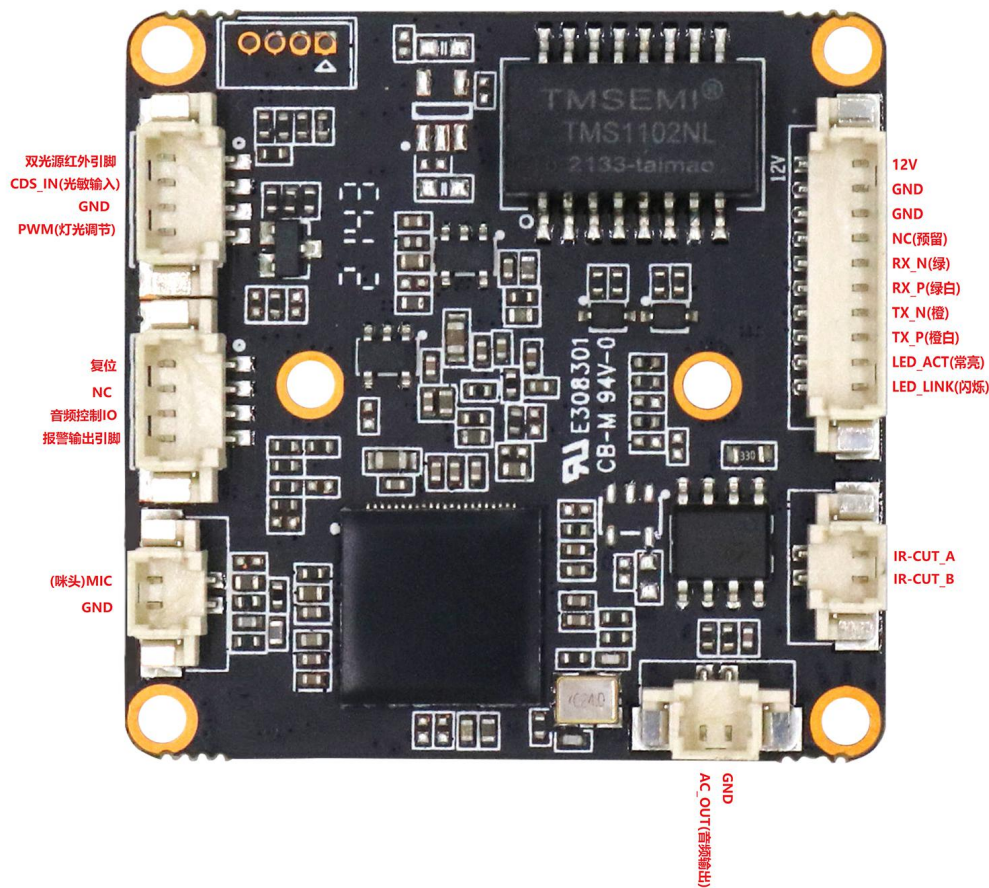
1. 1/2.9" 4MP sensor;
2. Support H264, H.265 encoding format
Main stream: 4MP(2560*1440)/3MP(2304*1296)/2MP(1920*1080)/1MP(1280*720);
Substream: 448P(800*448)/D1(704*576)/360P(640*360)/CIF(352*288);
3. Support dual stream output at the same time;
4. Support electronic fence (human shape/car shape), cross-border detection (human shape/car shape), departure detection (human shape), and passenger flow statistics (human shape).
5. Support human shape detection and vehicle shape detection, and can link local sound and light alarm and video recorder alarm;
6. Support custom warning voice, can record voice and upload;
7. Support digital wide dynamic, 3D noise reduction, backlight compensation, white balance, suitable for different monitoring environments;
8. Support ONVIF protocol, can connect to third-party NVR;
9. Support OSD character superposition function, support network time synchronization;
10. Support audio input and output, two-way intercom, audio and video synchronization;
11. Support a variety of light board types, can support hard photosensitive and soft light

sensitive light boards;

12. Support automatic maintenance function;

13. Support mobile phone remote monitoring (iOS, android), support computer remote monitoring;

Wiring diagram



Audio power amplifier control IO: Audio power amplifier boards that need to be turned on at a high level can use this pin to control

Reset button: short circuit with GND for 10 seconds to reset the device

Function	
Day and night switching	Support day and night switching (support optional IR-CUT)
White balance	Supports automatic white balance
Backlight Compensation	Support Backlight Compensation
Digital Noise Reduction	Supports 3D Noise Reduction
WDR	Support digital WDR
Motion detection	Support motion detection
Mirror	Support Mirror
OSD	Support OSD setting, support OSD dragging
Automatic maintenance	support
Smart function	
Electronic fence	Supports the detection of human/vehicle shape, and the device will alarm after entering the warning area
Cross-border detection	Supports detection of human shape/vehicle shape, and supports A → B, B → A, A ↔ B direction detection
Off-duty detection	Set the detection area, the device will alarm after the person leaves for a certain period of time, and the alarm will stop after returning
Passenger flow statistics	Support to detect the number of people entering and leaving
Voice broadcast	Support linkage voice broadcast, voice content can be customized and recorded
Light alarm	Support linkage equipment light alarm function
Video recorder linkage	Support linkage video recorder large screen, local voice, AI recording, push and other functions
video	
compression	H.264, H.265
Resolution	main stream: 4MP(2560*1440), 3MP(2304*1296), 2MP(1920*1080), 1MP(1280*720)
	substream: 448P(800*448)/D1(704*576)/360P(640*360)/CIF(352*288)
Video frame rate	4MP 20 frames, 3MP 30 frames
Video Adjustment	Brightness, Saturation, Hue, Contrast, Sharpness Adjustment
Internet	

Internet	RJ-45 10M/100M adaptive
protocol	ONVIF, P2P, CGI, HTTP, TCP/IP, IPv4, RTSP, UDP, NTP, DHCP, DNS, IP Filter
access protocol	ONVIF protocol/proprietary protocol/CGI
Maximum number of connections	3 main streams, 3 sub streams
APP	P6slite(IOS, Android)
Client	Easyvms(Windows)
Audio	
Audio	G.711U、G711A
audio input	support
Audio output	support
General Specifications	
size	38x38 single board
Temperature	-30℃~+80℃
power supply	DC12V 2A

Ruision public account, welcome to pay attention



Other matters: The content in this document is only for user guidance. Our company will regularly improve and update the software functions described in the document according to the enhancement or change of product functions. The updated content will be reflected in the new version without prior notice. .