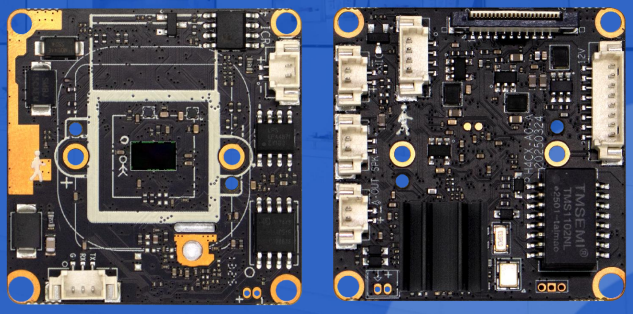
H4-38 Intelligent Camera

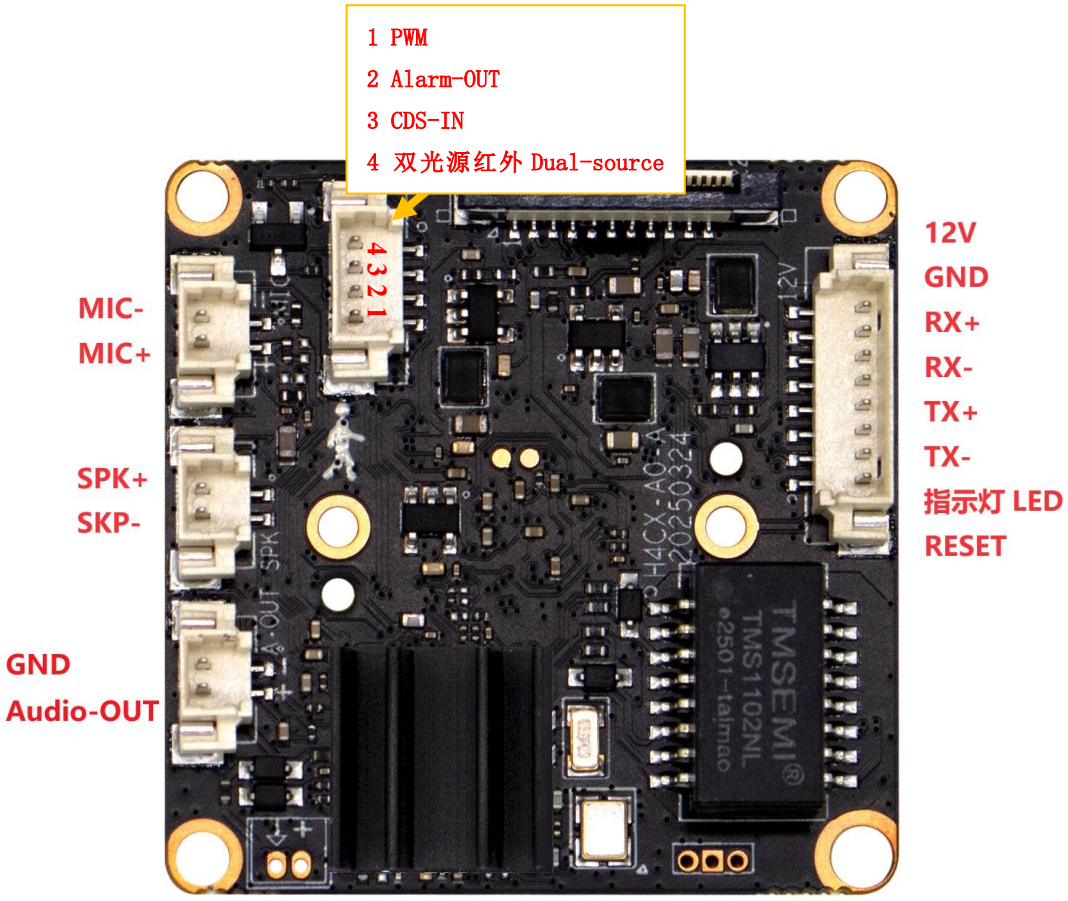
Human/vehicle detection, intelligent applications
Full network access, IP address adaptation
Support alarm output
Built-in WEB 2.0, supports multiple browsers
5MP intelligent full color/intelligent dual light
38*38 size, ultimate heat dissipation



| Products feature

·1/3”HD CMOS sensor;
·5MP HD resolution, support for dual-stream simultaneous output;
·Intelligent detection and light collection, allowing you to see faces clearly at night;
·Large AI algorithm model built into the device;
·Built-in human and vehicle shape detection functions; expanded application scenarios such as electronic fence, cross-border detection, off-duty detection, and passenger flow statistics;
·Support linkage sound and light alarm; alarm sound supports custom recording and text-to-speech;
·Support alarm output, can be linked to red and blue lights and other alarms;
·Support OSD character overlay function, support multi-national OSD language overlay display;
·Support built-in amplifier, can be directly connected to the speaker; support audio output, can be connected to the external sound column;
·Support audio input and output, two-way intercom, audio and video synchronization;
·Support reset function;
·Built-in WEB 2.0 page, supports Edge, Chrome, Safari, Firefox and other non-IE core browsers;
·Support ONVIF protocol and can be connected to third-party NVR;
·Support Privacy protection to protect privacy areas;
·Support network time synchronization;

Wiring diagram



Single light board: IR without cds in and white light without cds in, both connected to PWM pin; dual light board: IR connected to dual light IR, white light connected to PWM

Product specification

Image	
D & N format	Black light full-color, intelligent dual light, infrared mode, intelligent face recognition without exposure
Image adjustment	Supports automatic white balance, D-WDR, backlight compensation, and adjustable parameters such as brightness, contrast, and chromaticity
Privacy occlusion	Support privacy occlusion areas setting
Mirror	Support
OSD	Support OSD settings, support OSD drag; can overlay and display global OSD languages
AI functions	
Electronic fence	Supports detection of human/vehicle shapes, and the device will alarm when entering the warning area;

Cross-border detection	Supports detection of human/vehicle shapes, and supports A->B, B->A, and A<->B direction detection;
Off-duty detection	Support setting detection area, the device will alarm after a person leaves for a certain period of time, and the alarm will stop after the person returns;
Passenger flow statistics	Support counting the number of people entering and leaving, and can superimpose OSD on the screen in real time; daily data can be checked;
Voice alarm	Support linked voice broadcast, and voice content can be customized and recorded;
IO alarm	Support, can be linked to red and blue light alarm
linkage	Support linkage with NVR large screen, local voice, AI recording, push and other functions
Video	
Compression format	H.264，H.265，H.265+
Resolution	Mainstream：5MP(2880*1620)@30FPS/4MP(2560*1440)/3MP(2304*1296)/2MP(1920*1080)
	Sub-stream：448P(800*448)/360P(640*360)/ CIF(352*288)
Network	
Internet	RJ-45 10M/100M Self-adaption
Protocol	ONVIF，P2P，CGI，HTTP，TCP/IP，IPv4，RTSP，UDP，NTP，DHCP，DNS，GB28181，DDNS，Active registration
Access protocol	ONVIF protocol / private protocol /CGI
EasyVMS	NVR centralized management， client:：EasyVMS
Audio	
Audio compression	G.711U、G.711A
Audio input	Support（recommend -36DB MIC）
Audio output	Support，Built-in power amplifier（recommend 8Ω2W）
Generally	
Size	38*38 size，38*38 Hole position
Work temperature	-30℃～+60℃
Power supply	DC 12V

Other Notes

The content in this document is for user guidance only. Our company will regularly improve and update the software features described in this document based on product enhancements or changes. Updates will be reflected in new versions without prior notice.

When installing the entire device, please pay attention to heat dissipation, especially for small plastic housings.

Poor heat dissipation not only causes obvious heat-drying problems, but can also cause internal cable peeling, leading to freezes, disconnections, and other problems, shortening the lifespan of the entire device.

Improving heat dissipation can be achieved by strengthening the housing's heat dissipation and reducing the power consumption of the light board.