

H4SVX Intelligent Camera

1/1.8 sensor, Big size high-sensitivity

Built-in AI ISP image algorithm, higher definition at night

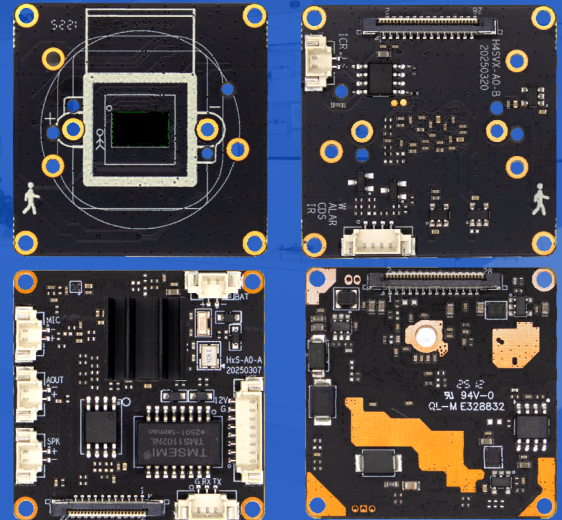
5MP@30FPS, Smart black light full color

Human Shape & Vehicle Shape Detection

Intelligent PWM light technology, see face clearly

38x38 double board, Support RTC battery function

Support 512GB TF card storage

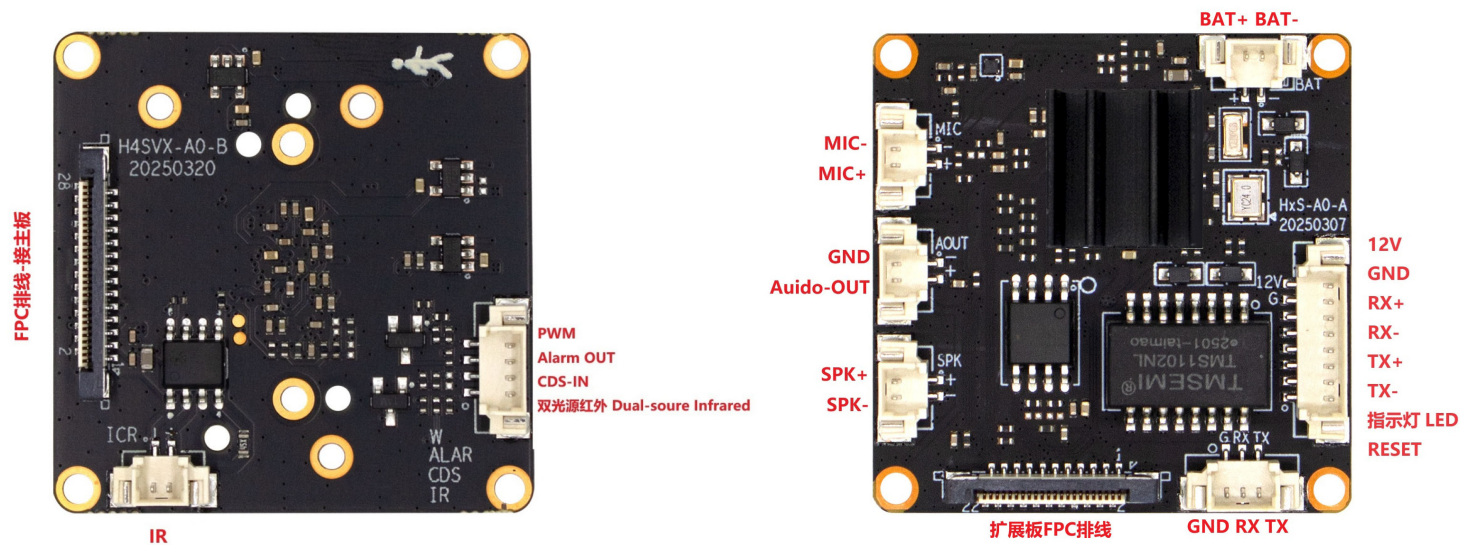


Features

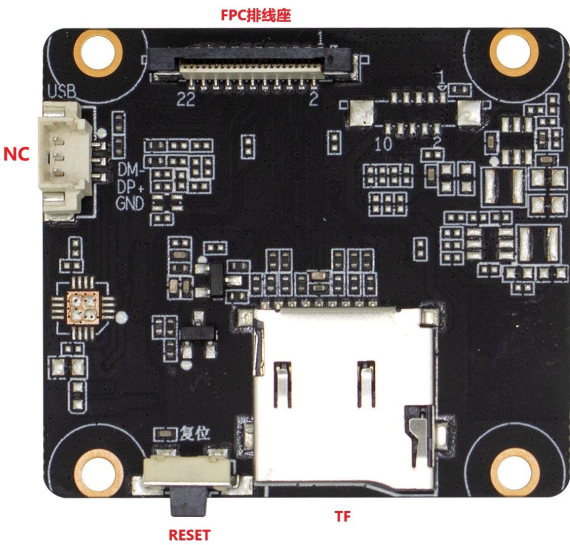
- 1/1.8 big size high sensitivity sensor, black light full color; recommended lens: YT10196、YT10151;
- Built-in AI ISP image algorithm to significantly improve night effects;
- 5MP@30FPS, support dual stream output; Intelligent PWM light technology, see face clearly at night;
- ISP built-in 1T computility NPU, device built-in AI algorithm large mode;
- Support human & vehicle shape detection, extended to E-fence, cross border, out of duty, people counting application scenarios, etc.
- Support sound & light linkage alarm, alarm sound supports customized and text to speech.
- Support alarm output, enable linkage to red & blue light alarm
- Support RTC battery function, can save time when power off
- Built-in amplifier and can be directly connected to speakers;
- Built-in reset function
- WEB 2.0 page, support Edge, Chrome, Safari, Firefox browsers, etc.
- Expandable to support 512G TF card; supports intelligent recording/common recording, automatically overwriting when full;
- Support ONVIF protocol, enable to work with the 3rd party NVR
- Support image mask occlusion, protect privacy area
- Support OSD overlay function and network synchronization

·Support audio_in/out, two-way-talk, audio & video synchronization

Wiring Diagram



BAT Pin support to external battery to save time, support external TF card storage;



Specifications

Image	
D/N mode	Blacklight full-color, Intelligent PWM light technology to prevent overexposure of faces; supports AI ISP image algorithms for even clearer night vision. Blacklight full color recommended lens: YT10196, YT10151. Dual light recommended lens: YT10207+IR0316;
Image Adjustment	AWB, DWDR, BLC, Brightness, Contrast Ratio, Chroma adjustable, etc

Privacy Mask	Support
Mirror	Support mirror setting;
OSD	Support OSD setting and drag OSD;
Intelligent AI Applications	
E-Fence	Support human/vehicle shape detection, devices will trigger alarm once enter alert area
Crossing	Detect human/Vehicle shape detection, Support A->B、B->A、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.
People Counting	Detect people in & out and statistic numbers, overlay OSD to screen, can check daily data ;
Voice Alarm	Support voice broadcast and voice content customized
IO Alarm	Support; enable linkage red&blue lights alarm
NVR Linkage	Support NVR big screen, local voice, AI recording, notification push, etc.
Video	
Compression code	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)
Storage	Support NVR storage, and TF card storage, Max 512G;
Network	
Ethernet	RJ-45 10M/100M self-adaptive
Protocol	ONVIF, P2P, CGI, HTTP, TCP/IP, IPv4, RTSP, UDP, NTP, DHCP, DNS, GB28181, DDNS
Access protocol	ONVIF/Private protocol/CGI
Client	NVR, Computer: EasyVMS
Audio	
Code	G.711U、G.711A
Input	Support (recommend-36DB MIC)
Output	Support, built-in (recommend-8Ω2W)
General	
Size	38*38mm double board
working environment	-30℃ ~ +60℃
Power	DC 12V

Remark

The content in this document is only for guidance to users. Our company will regularly improve and update the software features described in the document based on the enhancement or change of product functions. The updated content will be reflected in the new version without further notice.

Please pay attention to heat dissipation during the installation of the whole machine, especially for the plastic small structure housing;

Poor heat dissipation not only causes obvious heat drying problems, but also leads to internal connection wire peeling and other issues, further causing crashes, disconnections, and other problems, affecting the lifespan of the entire device.

The improvement of heat dissipation can be solved by strengthening the heat dissipation of the housing and reducing the power consumption of the lamp board.