H8SX Intelligent Camera

1/2.8" Sony high sensitivity sensor

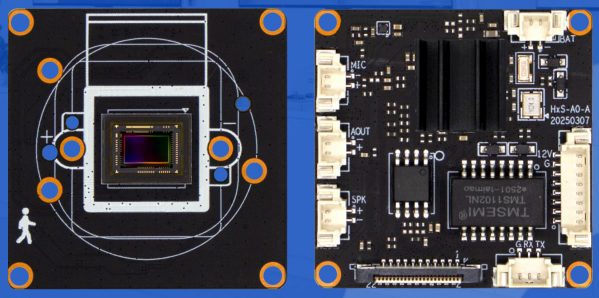
8MP@30FPS UHD resolution

Intelligent PWM light technology, see face clearly

Human Shape & Vehicle Shape Detection

Support 512GB TF card storage

Support RTC battery function



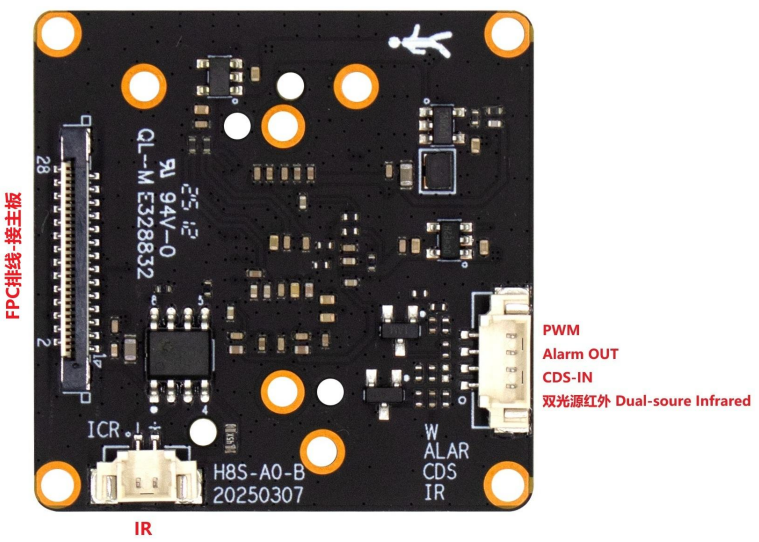
Features

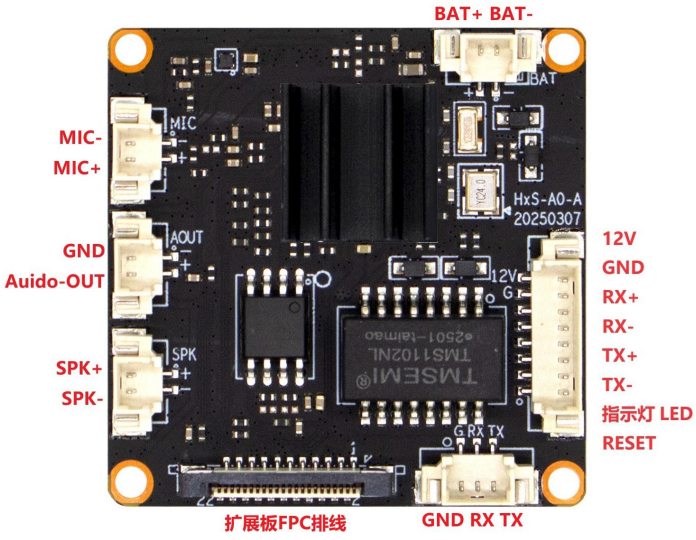
- 1/2.8" Sony high sensitivity sensor
- 8MP@30FPS UHD resolution, support dual stream output simultaneously;
- Intelligent PWM light technology, see face clearly at night
- ISP built-in 1T computility NPU, device built-in AI algorithm large mode
- Support RTC battery function, can save time offline
- 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
- Built-in amplifier, support to connect audio output
- Built-in reset function
- WEB 2.0 page, support Edge, Chrome, Safari, Firefox browsers, etc.
- Support TF card recording (optional), Max. 512G. Support intelligent record and common record, if record full, will be cover automatically
- New APP, support alarm push. New app support share max. 16 persons to others.
- 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

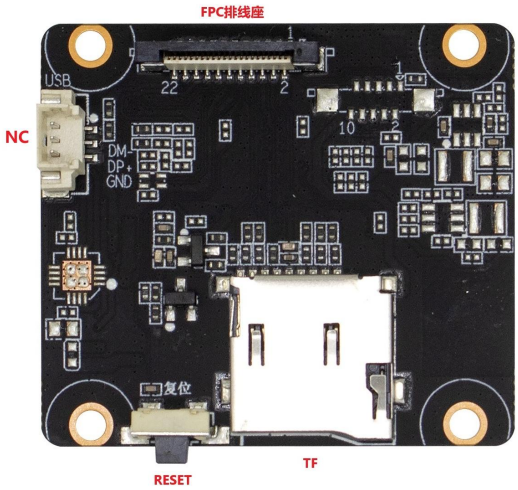
|Wiring Diagram





Single light board：electrodeless IR or electrodeless White light，both connect with PWM Pin；Dual light board：IR connect dual source pin，with light connect PWM pin；

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



|Specifications

Image	
Day & Night	Full color、Smart dual light、IR，Smart PWM technology (no face overexposure)

Image Adjustment	AWB, DWDR, BLC, Brightness, Contrast Ratio, Chroma adjustable, etc
Privacy Mask	Support
Mirror	Support
OSD	Support OSD setting and drag OSD
Intelligent AI Applications	
Electronic Fence	Support human/vehicle shape detection, devices will trigger alarm once enter alert area
Cross Border	Detect human shape，Support A->B、B->A、A<->B direction detection
Out-of Duty Area	Support to set detect area, people out - alarm, people back - stop alarm
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	
Code	H.264，H.265，H.265+
Resolution	mainstream：4K(3840*2160)@30FPS/6MP(3200*1800)@30FPS /5MP(2880*1620)/4MP(2560*1440)/3MP(2304*1296)/2MP(1920*1080)
	Sub-stream：720P/448P(800*448)/360P(640*360)/ CIF(352*288)
Storage	Support NVR storage and TF card storage
Network	
Ethernet	RJ-45 10M/100M self-adaptive
Protocol	ONVIF，P2P，CGI，HTTP，TCP/IP，IPv4，RTSP，UDP，NTP，DHCP，DNS, CGI, Private
Client	NVR / Computer：EasyVMS;　APP HiEasy
Audio	
Code	G.711U、G.711A
Audio_In	Support（recommend-36DB MIC）
Audio_Out	Support，built-in（recommend-8Ω2W）
General	
Size	38*38mm / **Dual board**
Working Temperature	-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 shell; 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 shell and reducing the power consumption of the lamp board.