H4X-G Intelligent AI 4G Camera

Support CN/EU 4G system

Support wired(IP) and 4G connection

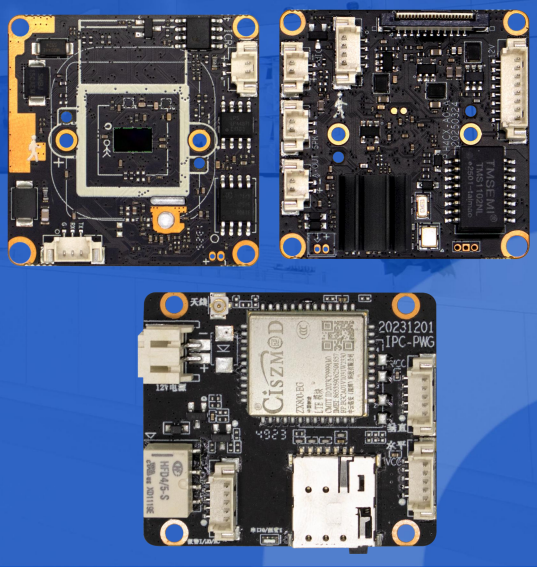
Human & Vehicle detection, multiple AI application

New H.265 Ultra coding, ultimate compression

4MP resolution，PWM technology, see face clearly

Support 512GB Micro SD card

38*38 dual board（Mainboard+4G board)



Features

- 1/3” high sensitivity CMOS sensor
- Chipset built-in computing power NPU, built-in AI algorithm large model
- Support H.265 Ultra、H.265+、H.265、H.264；support dual stream output simultaneously

Mainstream：4MP(2560*1440)/3MP(2304*1296)/2MP(1920*1080)

Substream：448P(800*448)/360P(640*360)/ CIF(352*288)=101376

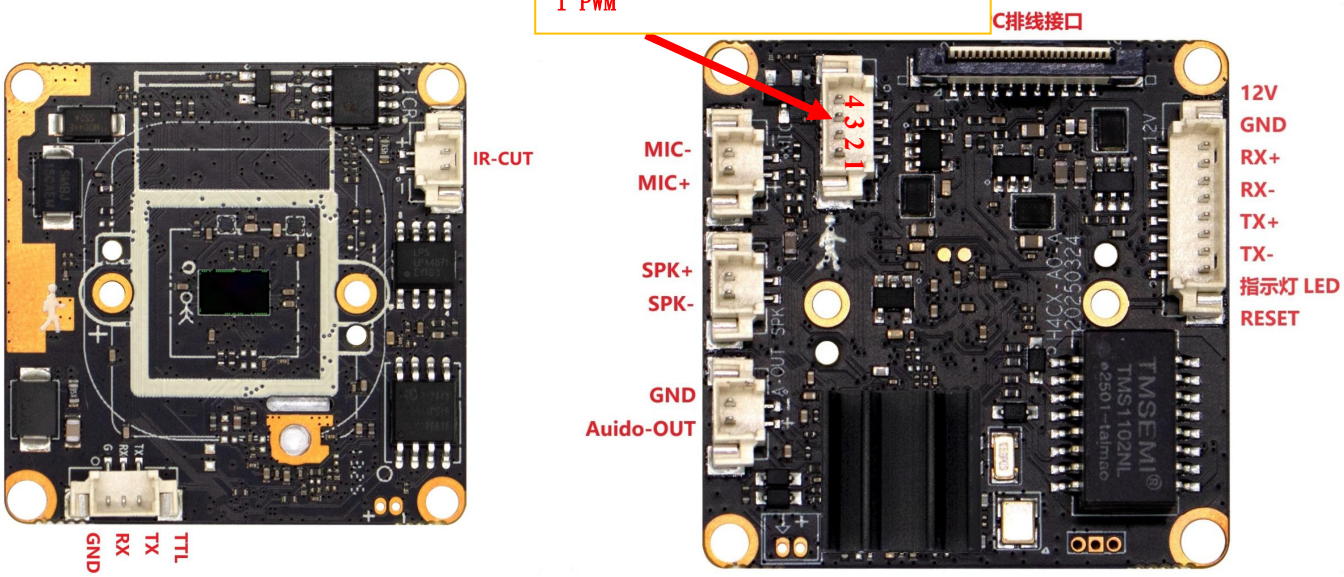
- New coding technology: H.265 Ultra, ultimate bitrate compression, save more storage space than H.265+
- Support 512GB Micro SD card storage
- Connect server automatically after power on, scan QR code to add device
- Wired(IP) and 4G network both available
- Built-in 4G offline protection mechanism, make sure device will not offline
- Support device share and user access authority control function
- Support human shape, vehicle shape detection

---AI Applications：Electronic,fence, cross border detection, out of duty area detection, people counting

- Support audio_in/out, two-way-talk, Built-in amplifier, enable to connect speaker directly
- Support alarm output, enable linkage to red & blue light alarm
- Support sound&light linkage alarm, alarm sound supports customized and text to speech
- Support OSD overlay and channel name text input by global languages
- Support one key alarm function and NTP function
- Support APP (iOS/Android) and computer software remote control

APP Download：睿博士/HiEasy

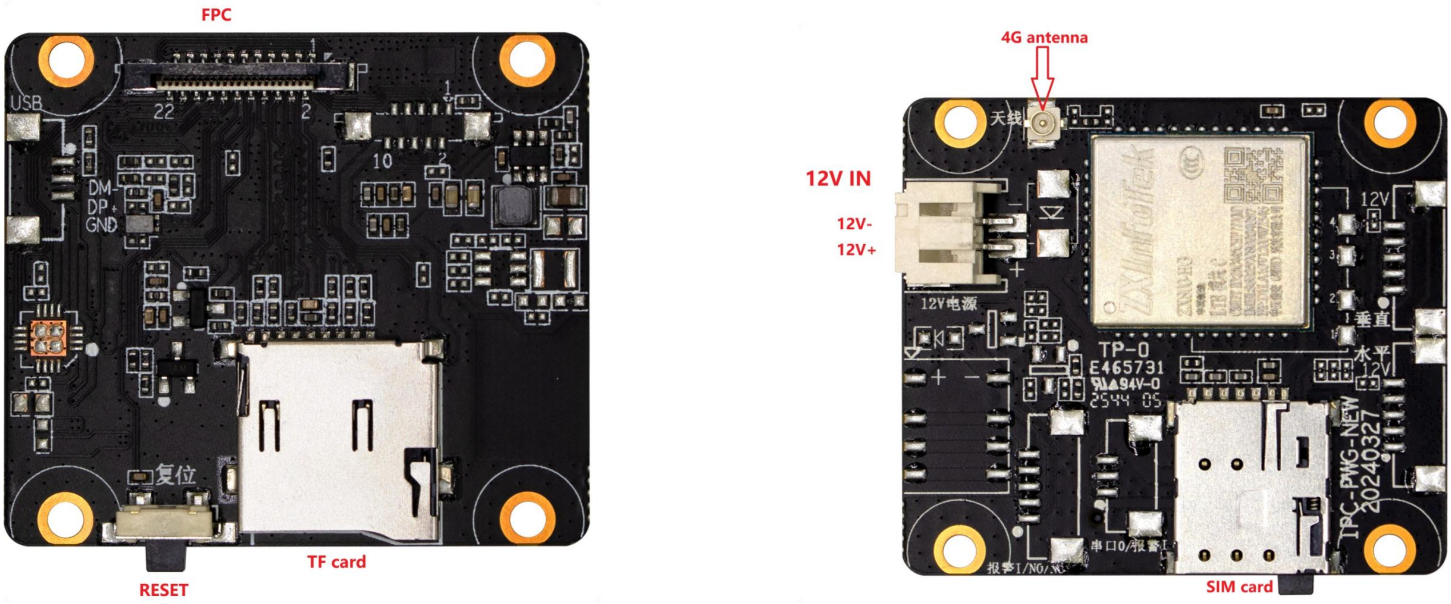
Mainboard Wiring Diagram



Single light：IR & white light connect PWM pin；Dual light：IR connect dual light IR pin, white light with PWM

4G Board Wiring Diagram

4G board connect 12V input，FPC wire to mainboard



4G Board support：512GB Micro SD card、RESET、4G connection

Specifications

Function	
White Balance	Auto
Noise Reduction	3D-NR
WDR	DWDR
Privacy Mask	Support
OSD	Support global OSD overlay, channel name support global languages input
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	
Compression	H.264，H.265、H.265+, H.265 Ultra
Resolution	Main stream：4MP(2560*1440)，3MP(2304*1296)，2MP(1920*1080)
	Sub stream：448P(800*448)/360P(640*360)/ CIF(352*288)
Frame rate	Wired Mode: 4MP/30fps;　4G Mode: 4MP/15fps
Network	
Ethernet	RJ-45 10M/100M self-adaptive
Protocol	ONVIF，P6S，P2P，TCP/IP，IPv4，RTSP，UDP，NTP，DHCP，DNS
Max Connection	3x mainstream，3x sub-stream
Clients	APP: HiEasy (iOS & Android)、Computer: EasyVMS, NVR
4G	
4G	CN: LTE-FDD：B1/B3/B5/B8;　LTE-TDD：B34/B38/B39/B40/B41 EU: LTE-FDD : B1/B3/B5/B7/B8/B20/B28

Connect Method	Connect server automatically after power on, scan QR code to add device Support wired network and 4G network
Audio	
Code	G.711U、G711A
Audio_in	Support
Audio_out	Support 1CH active output, 1CH amplifier output
Other Interface	
TF Card	With expanded board support 512GB storage
Alarm_in	Not support
Alarm_out	Support 1CH alarm output
General	
Size	38x38 dual board
Working Temperature	-30℃ ~ +60℃
Power	DC12V