T5AI-W WIFI AI Camera

WI-FI 6 transmmission; APP configure network by bluetooth;

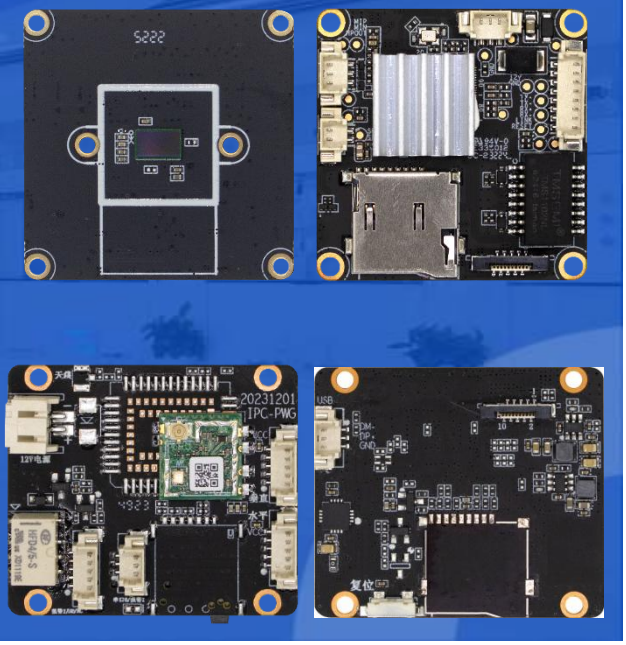
Support Face capture, face recognition

License plate recognition, global license plate capture

Support multiple AI applications, 512G TF card storage

5MP smart dual light

Support HTTP/HTTPS, MQTT, FTP,GB28181



| Products feature:

●1/2.7 HD high-sensitivity CMOS sensor

● With WIFI hotspot, can be monitored even without network; hotspot name: ZWAP_XXXXXX, hotspot password: 01234567

●Support multiple network distribution methods: Bluetooth network distribution, AP hotspot network distribution, and QR code scanning network distribution

●Support sharing function and permission control for sharing users

●Support H264, H.265 encoding format

Main stream: 5MP(2880*1624)/4MP(2560*1440)/3MP(2304*1296)/2MP(1920*1080)

Sub-stream: 448P(800*448)/D1(704*576)/360P(640*360)/ CIF(352*288);

●It is recommended to use 6mm HD lens for face recognition/license plate

●Optional intelligent face recognition algorithm or license plate structured recognition algorithm (actived required);

●Human shape and vehicle shape detection algorithm (face recognition or license plate recognition needs to be activated)

---AI extended applications: electronic fence, boundary crossing detection, off-duty detection, passenger flow statistics, traffic flow statistics

●Intelligent face capture recognition algorithm:

----Each frame supports 6 face detection and tracking;

---- Support quick capture or quality capture, face quality is adjustable; capture 6 people at the same time, minimum face capture pixels: 20*20

----- Support face comparison function;

----- Support mask detection function;

----- Support stand-alone recognition use, supports VMS, APP, and NVR to upload face photos to the device, and supports black and white list alarm linkage;

----- Paired with an intelligent NVR host, it can realize functions such as face database management, black and white list alarm linkage, quick query of strangers, and video query by face; (N310B, N316B, N336A)

● Structured algorithm for license plate capture recognition:

---- Support global license plate capture function

---- Can identify license plate color, license plate information, and vehicle model information;

---- Automatic switching of working modes: see the surrounding environment clearly when there is no license plate, and automatically adjust the light to recognize the license plate when there is a license plate

---- After recognition, the license plate number and vehicle model information can be superimposed on the video screen.

---- Support automatic capture mode and manual capture mode, applicable to a variety of application scenarios

---- Paired with an intelligent NVR host, it can realize functions such as license plate database management, unfamiliar license plate recording, black and white list alarm linkage, and video query by license plate; (N310B, N316B, N336A)

●Support audio input and output, two-way intercom; support alarm input and output;

●Support FTP function, support FTP upload pictures; support GB28181, support MQTT,

●support HTTP/HTTPS protocol;

●Support TF card, up to 512G TF card can be supported

●Support screen blocking and can cover privacy areas; supports OSD character overlay function and network time synchronization

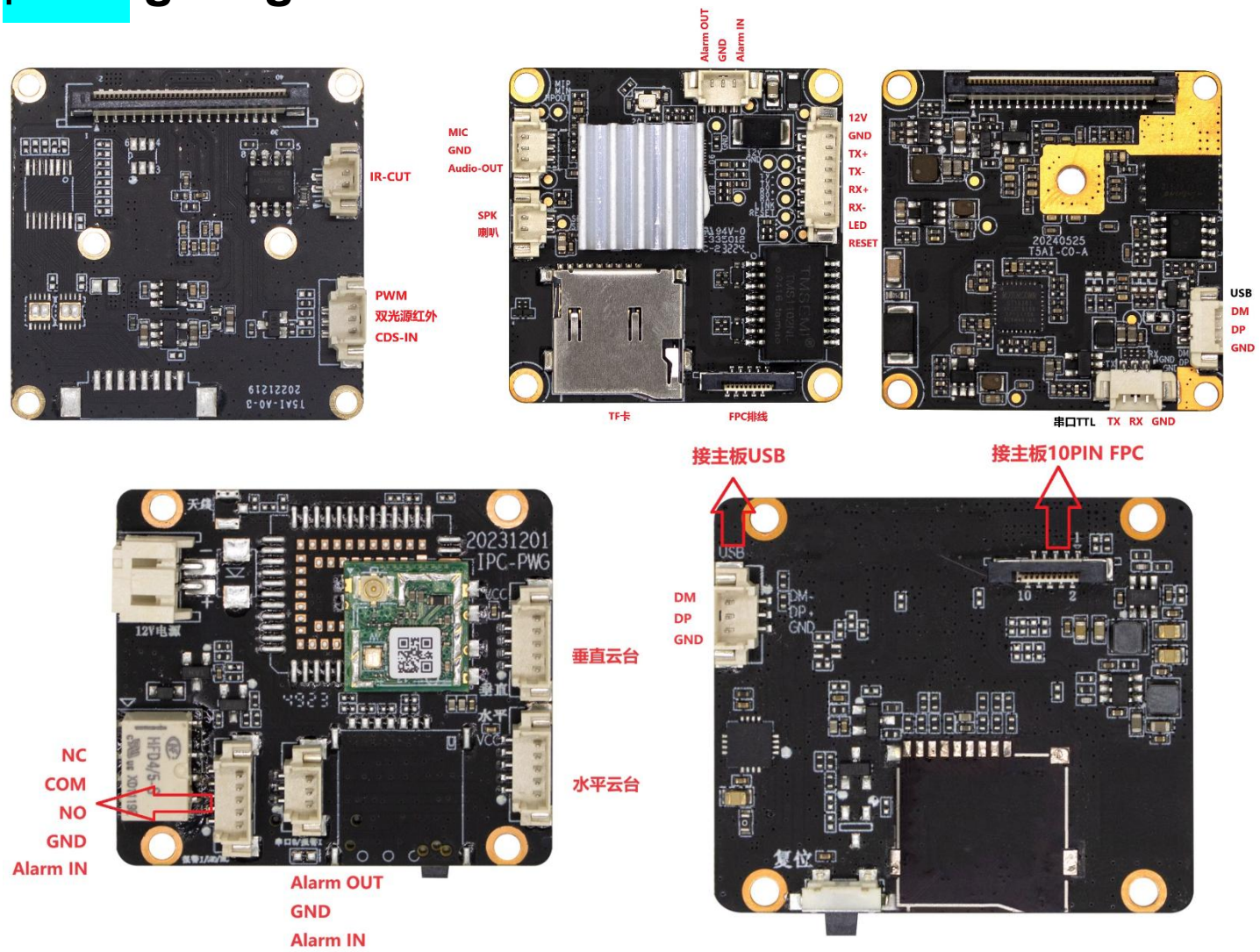
●Support mobile phone remote monitoring (IOS, Android), support computer remote monitoring

APP download

P6SLite/睿博士 APP

微信公众号

Wiring diagram



After connecting the 3PIN alarm input and output of the expansion board and the 3PIN alarm input and output of the main board:

When there is no alarm output: NC and COM are connected, NO and COM are disconnected;

When there is an alarm output: NC is disconnected from COM, and NO is connected to COM;

Alarm IN: short circuit to GND to trigger the alarm input;

Product specification

Function	
white balance	Support
Digital noise reduction	Support 3D noise reduction
WDR	Real WDR
privacy mask	Support
OSD	Support OSD setting， Support OSD moving

AI functions	
Intelligent detection	Can detect human/car shapes for intelligent alarm
	Extended applications: electronic fence, boundary crossing detection, off-duty detection, passenger flow statistics
Face recognition algorithm	
Face capture	Supports face deduplication, and can set quick capture and quality capture modes. Quick snapshot: Quickly push the face pictures that appear Quality capture: push the best face pictures in the time period when the face appears Face quality is adjustable, and each frame supports 6 face detection and tracking Capture 6 people at the same time, minimum face pixels: 20*20;
Face comparison	Support comparison function and supports 1,000 face databases (used with N310B, N316B, and N336A NVR); Support using EasyVMS, APP, and NVR to upload face database to the device, and supports stand-alone face comparison; Support stranger alarm and black and white list alarm;
Function linkage	Support voice broadcast, alarm output, TF card capture, TF card recording, and FTP upload; Paired with an intelligent NVR host, it can realize functions such as face database management, black and white list alarm linkage, quick query of strangers, and video query by face; (N310B, N316B, N336A)
License plate recognition algorithm	
license plate recognition mode	Support automatic capture mode and manual capture mode: Automatic capture mode: can take into account monitoring and license plate recognition, see the surrounding environment clearly when there is no license plate, and close the light after detecting the license plate; suitable for vehicle speeds of 60Km/h and below; Manual capture mode: supports manual adjustment of vehicle speed, and the screen will always be in light-reducing mode; recommended for use when the vehicle speed is higher than 60Km/h;
Identification method	License plate structured algorithm recognition;
Output information	Support identification of license plate color, license plate number, and vehicle model information. Support OSD overlay display of license plate information
vehicle speed	Automatic mode: below 60Km/h, manual mode with adjustable speed
recognition distance	6mm lens: 4-13 meters
Function linkage	Support voice broadcast, alarm output, TF card capture, TF card recording, and FTP upload; Paired with an intelligent NVR host, it can realize functions such as license plate database management, unfamiliar license plate recording, black and white list alarm linkage, and video query by license plate; (N310B, N316B, N336A)
Video	
Compression format	H.264， H.265

Resolution	Mainstream：5MP(2880*1624)，4MP(2560*1440)，3MP(2304*1296)，2MP(1920*1080)
	Sub-stream：448P(800*448)/D1(704*576)/360P(640*360)/ CIF(352*288)
Video frame rate	5MP 25fps
Network	
Internet	RJ-45 10M/100M automatically
WIFI	Support 2.4G，802.11 b/g/n
Protocol	ONVIF，P2P，CGI，HTTP，TCP/IP，IPv4，RTSP，UDP，NTP，DHCP，DNS，IP Filter，FTP，GB28181，MQTT、HTTP
Connecting protocol	ONVIF protocol/ private protocol/ CGI
Maximum number of connections	3 main streams, 3 sub-streams
EasyVMS	App：P6SLite，VMS：EasyVMS，NVR connecting
Audio	
Audio compression	G.711U、G711A
Audio input	Support
Audio output	Support 1 active output and 1 passive output
Audio	
TF Card	Support 512G TF card
Alarm input	Support
Alarm output	Support 1 level alarm output, which can be expanded to switch alarm output;
Generally	
Size	38*38 double board
Work temperature	-30℃ ~ +60℃
Power supplier	DC 12V