



Jiangxi Giwei Technology X8 Face Recognition User Manual

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Jiangxi Giwei Technology X8 Face Recognition



Instructions

The limitation of traditional access control has been broken through by the methods such as password opening, card-brush opening, fingerprint identification, etc to verify the authority of personnel. Through the integration of GIWEI face recognition SDK, it is easier to perform the intelligent transformation of the access control system, and the face recognition can quickly and accurately perform personnel identification and access control. From collecting face photos, comparing faces, and obtaining results, it is fully automated and requires no manual intervention during the operation. This system is suitable for residential areas, airports, wharfs, entrances and exits of stations, entrances to examination hall, banks, access gates, office buildings, schools, public services and management projects that require face access control.

- Product features

- Dynamic dual-camera anti-counterfeiting, completely solve the deception of various photos on various carriers;

- RGB

- Night infrared and RGB dual fill light;

- Support optional external access control card reader, ID card reader, temperature measurement module;

- Support relay, RS232 serial port, Wiegand 26 output, output content supports configuration;

- Use dynamic face detection and tracking recognition algorithms based on video streams;

- The recognition speed is fast, (a) face tracking and detection takes about 20ms, (b) face feature extraction takes about 200ms, and (c) live detection face comparison takes 0.6ms (1000 people database, multiple recognition average value), 0.8ms (10,000 people database, multiple recognition average value);

- Support live photo saving during face recognition or stranger detection;

- Support public network and local area network deployment methods;


- Support the content configuration by screen display;

- Support the configuration of recognition distance.

Hardware specification table of product

| | | | |
|--------------------------------------|-------------|--|--------------------|
| Face recognition integrated terminal | | | |
| /Product model | | X8 | |
| Screen | /Size | 8-inch, full view angles, 170°IPS LCD screen | |
| | /Resolution | 800*1280 | |
| Camera | /Type | RGB | |
| | /Resolution | 2 million pixels | 1.3 million pixels |
| | /Aperture | F2.8 | F2.8 |
| | | 3.2mm | 3.2mm |

| | | | | | | | | |
|-----------------|--|------------------|---|---------|---------|----------|------|----------|
| | | Focal distance | | | | | | |
| | | White balance | Auto | Auto | | | | |
| | | Wide dynamic | Support | Support | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | CPU | 4 1.8GHz 4-core 1.8GHz | | | | | |
| Core parameters | | | 2G 8G | | | | | |
| | | Storage capacity | RAM 2G, Capacity 8G | | | | | |
| | | | LED | | | | | |
| | | Fill light | Infrared, LED fill light, green and red indicator | | | | | |
| Accessories | | Network module | 2.4GWi-Fi USB Support wire, wireless connection) | (2.4 G | Wi-Fi), | wireless | (USB | external |
| | | USB/interface | USB2.0 1 USB 2.0 interface 1 | | | | | |

| | | | |
|-----------|----------------------------|--|--------------------------|
| | Serial |  | |
| | | RS232 3.81mm2P | |
| | communication | RS232 serial port, and 3.81mm terminal block 2P | |
| | interface | | |
| | Relay output | 3.81mm terminal block 3P | |
| | Wiegand | 3.81mm terminal block 3P, support Wiegand 26 and 34 | |
| Interface | interface | | |
| | Remote interface | control | 3.81mm terminal block 2P |
| | Exit switch | 3.81mm terminal block 2P | |
| | Door magnetic interface | 3.81mm2P 3.81mm terminal block 2P | |
| | Wire network | RJ45 gigabit network 1 | |
| | interface | | |
| | Face detection | Support detection and tracking of 3 people at the same time | |
| | 1:N | Under the condition that the false recognition rate is three ten | |
| Function | face recognition | thousandths, the recognition accuracy rate is 99.7% | |
| | | | |

| | | | |
|--|--|--------------------|---------|
| | | | |
| | | Stranger detection | Support |

| | | | | |
|--|--------------------|------------------------------------|---|--|
| | | Recognition distance configuration | Support | |
| | | UI interface configuration | Support | |
| | | Deployment mode | Support use of public network and local network | |
| | | Protection level | IP54 | |
| | | Power supply | DC12V ±10% | |
| | | Working temperature | -20°C 60°C | |
| | | Working humidity | 10% 90 % | |
| | | Power consumption | 18W MAX | |
| | | Installation mode | Wall-mounted, gate bracket installation | |
| | General parameters | | | |

| | | | |
|--|--|----------------|------------------------|
| | | Equipment size | 239.2mm*123.2mm*26.4mm |
| | | Weight | ≈1050g |


FCC Warning

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

RF exposure warning:

This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provided with antenna installation instructions and transmitter operating conditions for satisfying exposure compliance.

Documents / Resources

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|---|--|
|  | <p>Jiangxi Giwei Technology X8 Face Recognition [pdf] User Manual X8, 2AW5I-X8, 2AW5IX8, X8 Face Recognition, X8, Face Recognition</p> |
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