

8" Touch Screen Face Recognition Access Control Terminal

Model:

ACS-FR-HG14



Main Features:

- Support real time liveness detection
- Support tracking of personnel movements under strong backlight conditions
- Unique live face recognition algorithm to accurately recognize faces, face recognition time is less than 0.3s
- Using Linux operating system, better system stability
- The camera uses H.265 Main Profile encoding, compatible with NVR and other storage devices through the ONVIF protocol
- Mean time between failures MTBF>50000 H
- Support 24,000 face matching library and 160,000 face recognition records
- Rich interface protocol, support TCP/IP, UDP, RTP, RTSP, RTCP, HTTP, DNS, DDNS, DHCP, SMTP, UPNP, MQTT protocol, Windows/Linux
- From -20 °C to + 55 °C environment for long-term stable operation
- Support tamper alarm
- Support microphone input audio, speaker output audio
- Rich hardware interface (I/O, WG26, WG34, RJ45, Door sensor, Doorbell, Open door, Alarm, RS485)
- 8-inch touch screen, no streaking and delay
- Support automatic gain control and automatic white balance
- 3D noise reduction and fog-passing technology makes the monitoring picture under low illumination more clear and delicate
- Support code stream and I frame interval setting
- Support video area partial blocking
- Support ROI coding

- Support setting maximum exposure time
- Support 2D noise reduction, 3D noise reduction
- Support recording schedule time period and upload mode setting
- Support video brightness, contrast, hue, saturation, gamma adjustment
- Support setting the maximum auto exposure time
- Support face intelligent exposure, face smart enhancement settings

Specifications:

| | |
|----------------------|---|
| Hardware | |
| Processor | Dual Core Processor+ 1G memory + 16G flash |
| Operating system | Linux Operating system |
| Sensor | 1/2.8" Progressive Scan CMOS |
| Lens | 4.5mm |
| WiFi module | 2.4GHz frequency band, IEEE802 b/g/n protocol; 5GHz frequency band, IEEE802 a/n/ac protocol |
| Bluetooth module | GFSK, DQPSK, 8DPSK, LE(1Mbps), 2LE(2Mbps) |
| Card type | Support reading 13.56MHz, 125KHz, 915MHz frequency band signals, the type of card reading includes Mifare, CPU card |
| Speaker | Voice playback content can be customized |
| Performance | |
| Recognition height | 1.2~2.3 meters, angle adjustable |
| Recognition distance | 0.5~2.5 meters, depends on lens |
| Recognition angle | Vertical viewing angle: 30°; Horizontal viewing angle: 30° |
| Recognition time | Less than 0.3 seconds |
| Storage capacity | 160,000 capture records |
| Face capacity | 24,000pcs |

| | | |
|-------------------------|---|---|
| Interface | | |
| Power out | DC12V/2A | |
| Network interface | 1 RJ45 10M / 100M adaptive Ethernet port, Gigabit Ethernet port can be customized | |
| Wiegand interface | 1ch Wiegand interface input/output | |
| Alarm interface | 1ch alarm interface | |
| Door sensor interface | 1ch magnetic interface | |
| Open interface | 1ch open door interface | |
| Doorbell interface | 1ch doorbell interface | |
| Lock interface | 1ch lock interface | |
| Communication interface | 1ch RS485 interface | |
| Camera | | |
| Camera | Dual cameras, glass lens, visible light and near infrared, support liveness detection | |
| Effective pixels | 2MP, 1920*1080 | |
| Min Illumination | Color 0.01Lux @F1.2(ICR);B/W 0.001Lux @F1.2 (ICR) | |
| SNR | ≥50db(AGC OFF) | |
| WDR | 120db, ISP algorithm face partial exposure | |
| Image | Main Stream | 50Hz: 25fps (1920×1080,1280×720) |
| | | 60Hz: 30fps (1920×1080,1280×720) |
| | Sub Stream | 704*576, 25 frames/second, 640*480, 25 frames/second, 352*288, 25 frames/second |
| Function | | |
| Web side configuration | support | |
| Remote upgrade | support | |

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| Regular | |
| Operating temperature | -20°C - +55°C |
| Working humidity | 0~90% relative humidity, no condensation |
| Salt spray | level Rp6 or above |
| Antistatic | contact ±6KV, air ±8KV |
| Power | DC12V/2A |
| Waterproof | IP42 |
| Power | 20W(MAX) |
| Equipment size | 215.22 (L) * 130 (W) * 18 (T) mm |
| Screen size | 8 inches IPS HD screen |

Interface:

| No. | Name | Quantity | Remark |
|-----|----------------------|----------|---|
| ① | Ground | 1 | Black and White:GND |
| ② | Wiegand input/output | 1 | Orange:WGI_D0 Orange and white:WGI_D1 Brown:WGO_D0 Brown and white:WGO_D1 |
| ③ | Fire in | 1 | Yellow:FIRE_ALM |
| ④ | Alarm out | 1 | Purple:NO Blue:COM White:NC |
| ⑤ | Doorbell | 1 | Light blue:BELL |
| ⑥ | Power | 1 | Red:WG_12V, Black:GND |

| | | | |
|---|-------------|---|---|
| ⑦ | Door sensor | 1 | Light green:DS |
| ⑧ | Open | 1 | Green:OPEN |
| ⑨ | Lock | 1 | Blue and white:NC Green and white:COM Grey:NO |
| ⑩ | RS485 | 1 | Red:485+ Black:485- |