

## 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                                                                               |                                                                                 |

|                       |                                          |
|-----------------------|------------------------------------------|
| 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<br>Orange and white:WGI_D1    Brown:WGO_D0<br>Brown and white:WGO_D1 |
| ③   | Fire in              | 1        | Yellow:FIRE_ALM                                                                    |
| ④   | Alarm out            | 1        | Purple:NO<br>Blue:COM<br>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<br>Green and white:COM<br>Grey:NO |
| ⑩ | RS485       | 1 | Red:485+<br>Black:485-                              |