# Longse



## SPECIFICATION

| Model NO. | FK08GRW（EU CODE） |
|---|---|

### System

| | |
|---|---|
| Main Processor | RV1109, Dual ARM Cortex-A7, NPU 1.2T |
| Operating System | Embedded LINUX |
| RAM | DDR3 1GB |
| ROM | EMMC 16GB |

### Screen

| | |
|---|---|
| Dimensions | 8 inch IPS HD LCD screen |
| Resolution | 800*1280 |

### Camera

| | |
|---|---|
| Type | 2MP camera |
| Sensor | 1/2.9" GC2053 |
| Resolution | NIR 1280*720@25fps |
| Lens | 4.5mm |

### Camera

| | |
|---|---|
| Type | Daily camera |
| Sensor | 1/2.9" GC2093 |
| Resolution | Color 1920*1080@25fps |
| Lens | 4.5mm |

### Body temperature detection

| | |
|---|---|
| Temperature Range | 35.7℃-42℃ |
| Temperature Measuring Distance | 0.7-1.2m |
| Temperature Measurement Accuracy | ± 0.3℃ |

### Face recognition

| | |
|---|---|
| Detection Function | Face Dection, Face Comparison, Mask Detection, Living Body Detection, Face Comparison(With Mask) |
| Face Recognition Distance | 0.5-2m |
| Face Database Capacity | Max support 30,000 faces |
| Face Posture | Vertical 61°, horizontal 36° |
| Occlusion | Ordinary glasses and short fringe have no effect on recognition. |
| Expression | Under normal circumstances, slight expressions do not affect recognition. |
| Response Speed | About 200ms |
| Face Exposure | Support |
| Local Storage | Support storage of 50,000 records |
| Recognition Area | Full screen recognition |
| Upload Method | TCP, HTTP, MQTT |

### Network Functions

| | |
|---|---|
| Network Protocol | IPv4, TCP/IP, HTTP, MQTT, RTSP, SMTP, NTP |
| Interface Protocol | Private protocol |
| Security Mode | Authorized password |
| Event Linkage | Voice broadcast, Abnormal event upload to the platform, Alarm Output |
| System Upgrade | Support remote upgrade |

### Accessories

| | |
|---|---|
| Supplementary Light | IR light, LED white light |
| Identification Module | / |
| Audio Out | Built in Speaker support voice broadcast after successful recognition |
| Wi-Fi | / |
| Bluetooth | / |
| Card Reader | Bulit in IC card reader, Support Mifare1 IC card |
| 4G | / |
| Alarm Indicator Light | Abnormal red light, Normal green light |

### Interface

| | |
|---|---|
| Network Interface | RJ45 10M/100M Network Adaptation |
| Alarm Input | / |
| Alarm Output | Support 1 channel |
| Relay Output | Support |
| RS485 | Support |
| Wiegand Interface | Support Wiegand 26, 34 protocols |
| USB | 1*USB 2.0 |
| TF Card Slot | / |
| HDMI | / |
| Reset Key | Support |
| Anti-disassembly Switch | / |

### General

| | |
|---|---|
| Housing | Aluminum alloy, Ultra-white tempered glass panel |
| Operating Temperature | -10 ° C ~ 50 ° C |
| Operating Temperature | 8 ° C ~ 33 ° C(Enable temperature measurement) |
| Working Humidity | 10% -90% Non-condensing |
| Storage Temperature | -20 ° C ~ 50 ° C |
| Storage Humidity | 5% -95% Non-condensing |
| Protection Level | / |
| Power Supply | DC12V, 2A |
| Power Dissipation (maximum) | 18 W |
| Dimensions (mm) | Column Bracket Model:395.5(L)*132(W)*134(H)mm |
| Bracket Size (mm) | Column Bracket:202.5mm(Bracket fixing hole size D=35mm) |
| Installation Method | Gate machine Installation/Column Installation |

### QR code scanner

| | |
|---|---|
| Image(pixels) | 640(H)x480(V) |
| Light Source | White light, infrared light |
| Field of View | D:90° H:72° V:54° |
| Scanning angle | Rotation angle 360°, elevation angle ± 55°, deflection angle ± 55° |
| Interface | USB, TTL232 |
| Print Contrast | ≥25% |
| Reading accuracy | ≥5mil |
| 1D QR Code | EAN, UPC,Code 39, Code 93,Code 128,UCC/EAN 128, Codabar,Interleaved 2 of 5, ITF-14,ITF-14,ISBN,ISSN, MSI-Plessey,GS1 Databar ,Code 11,Industrial 25,Standard 25,Plessey, Matrix 2 of 5 |
| 2D QR Code | QR Code, Data Matrix, PDF417,Aztec |
| Operating Temperature | -20 °C ~ 50 °C |
| Storage Temperature | -40 ° C ~ 70 ° C |
| Storage Humidity | 5% -95% Non-condensing |
| Shock Specification | Designed to withstand a 1.2-meter drop to the concrete floor |
| Ambient Light Immunity | 100,000Lux |
| Decode Range | EAN13 13mil:30mm-140mm,Code39 5mi:30mm-50mm, QR Code 20mi:325mm-120mm,Data Marix 10mi:300mm-70mm, PDF417 6.67mil:30mm-80mm(Performance may be impacted by barcode quality and enviromental conditions) |
| Operating Voltage | DC 3.3 V |
| Working current | 170mA |
| Stand-by current | 20mA |
| Physical dimension | 21.6(W)×14.1(D)×12(H)mm |