



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	Built 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-6,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