

## 5" Face Recognition Access Control Terminal

### Model:

BLS-F025

### Main Features:

- Support real time liveness detection
- Support for human face tracking exposure in strong backlight
- Using Linux operating system, better system stability
- Mean time between failures MTBF>50000H
- Support 24,000+ face matching library and 69,000 face recognition records
- 3000 fingerprint optional, one person can enrol up to two fingerprints
- Rich interface protocol, support TCP/IP, UDP, RTP, RTSP, RTCP, HTTP, DNS, DDNS, DHCP, SMTP, UPNP, MQTT protocol under Windows/Linux and other platforms
- Support personnel registration, device configuration, information query via front touch screen
- 5-inch IPS full-view HD display, no streaking and delay
- Rich hardware interface (I/O, WG26, WG34, RJ45, Door sensor, Doorbell, Open door, Alarm, RS485)



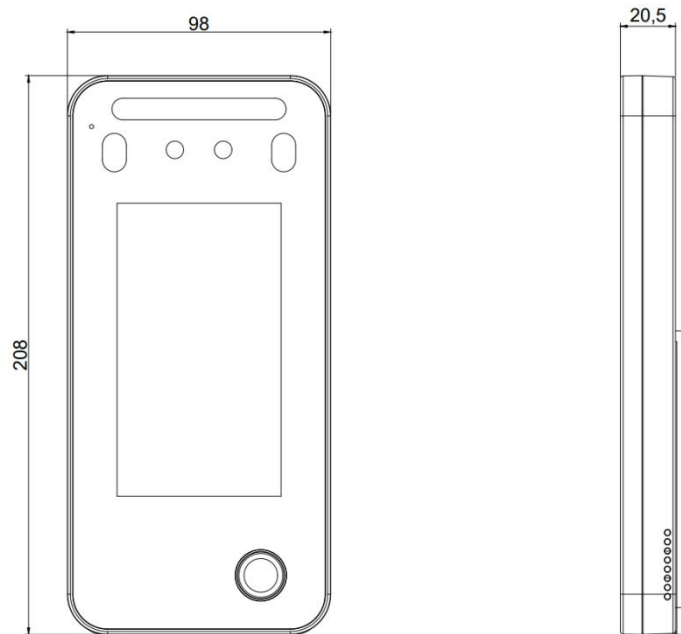
## Specifications:

Model	BLS-F025
Hardware	
Processor	Dual Core ARM Cortex-A7 and RISC-V MCU
Operating system	Linux Operating system
Memory	1G+8G
Sensor	1/2.8" Progressive Scan CMOS
Lens	4.32mm
WiFi module	2.4GHz Wifi SoC chip, integrated IEEE 802.11b/g/n baseband and RF circuit, maximum 54M physical layer rate
Card swiping module	Mifare one (M1), S50, S70, NTAG2xx and other support 125KHz frequency band T 13.56MHz frequency band cards,K, EM and other series cards
Finger printing module	Capacitive fingerprint module, 192*192 pixels, 508dpi
Touch screen module	Capacitive single touch screen
Speaker	Voice playback content can be customized
Performance	
Recognition height	1.2~2.3 meters, angle adjustable
Recognition distance	0.3~1.5 meters, depends on lens
Viewing angle	Vertical viewing angle: 30°, Horizontal viewing angle: 30°
Recognition time	Less than 0.3 seconds
Storage capacity	69,000 capture records
Face capacity	24,000pcs
Fingerprint capacity	3,000pcs
Interface	
Power out	DC12V/2A
Network interface	1 RJ45 10M / 100M adaptive Ethernet port

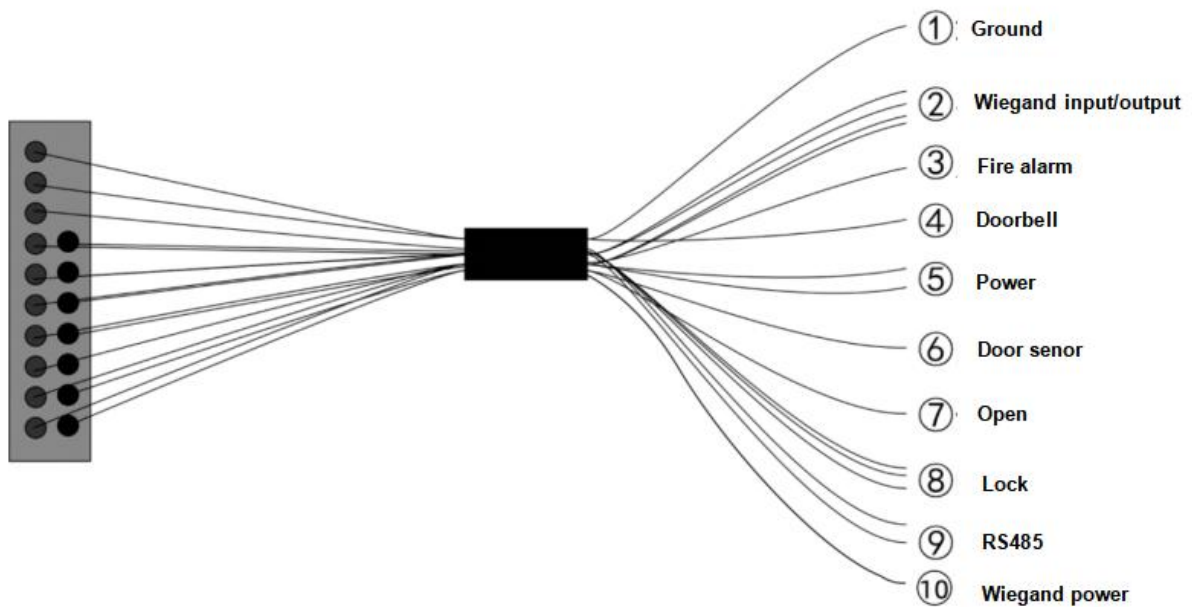
Wiegand interface	1ch Wiegand interface input/output	
Alarm interface	1ch alarm interface	
Door sensor interface	1ch magnetic interface	
Open interface	1ch open door interface	
Doorbell interface	1ch doorbell interface	
Lock interface	1ch lock interface	
Communication interface	1ch RS485 interface	
Wiegand power	1ch Wiegand power interface/12V	
USB interface	1ch USB interface	
Camera		
Camera	Dual cameras	
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	720*576, 1-25(30) frames/sec/640*480, 1-25(30)frames/sec 320*240, 1-25(30) frames/sec
Function		
Web side configuration	Support	
Remote upgrade	Support	
Regular		
Operating temperature	-20℃ - +55℃	
Working humidity	0~90% relative humidity, no condensation	
Salt spray	Level Rp6 or above	

Antistatic	Contact $\pm 6\text{KV}$ , air $\pm 8\text{KV}$
Power	DC12V/2A
Waterproof	IP55
Power	10W(MAX)
Equipment size	208(L) * 98 (W) * 20.5(T) mm
Screen size	5 inches IPS screen, resolution: 854*480

**Size:**



**Interface:**



No.	Name	Remark
①	Ground	Black and White:GND
②	Wiegand input/output	Orange:WGI_D0, White:WGI_D1 Brown:WGO_D0, Grey:WGO_D1
③	Fire in	Yellow:FIRE_ALM
④	Doorbell	Light blue:BELL
⑤	Power	Red:WG_12V, Black:GND
⑥	Door sensor	Purple:DS
⑦	Open	Green:OPEN
⑧	Lock	Blue:NC,Green:COM Grey:NO
⑨	RS485	Red:485+ Black:485-
⑩	Wiegand power	Red: WG_12V, Black: GND