

EBSF850

Facial Biometric Recognition Device

Easy to install, from small offices to massive enterprise buildings. The slim, compact design of the EBSF850 device is suitable for both indoor and outdoor environments, thanks to its robust IP65 and IK06 ratings.

FEATURES

- Accurately and rapidly recognize moving faces in high-traffic areas
- Anti-spoofing via IR-Based Live Face Detection
- Use dynamic face templates to increase matching performance with faces wearing masks, glasses, hats, beards, different hairstyles, etc.
- Data encryption



	Biometric	Face	
Credential	RF Option	125kHz EM & 13.56MHz MIFARE, MIFARE Plus, DESFire EV1/EV2 ¹⁾ , FeliCa	
	RF Read Range ²⁾	EM/HID iCLASS/MIFARE: 30 mm, HID Prox/DESFire: 25 mm, FeliCa: 15 mm	
	Mobile	NFC, BLE	
	Barcode and QR code	Supported ³⁾	
General	CPU	1.5GHz Quad Core	
	Memory	32GB Flash + 4GB RAM	
	Crypto Chip	Supported	
	LCD Type	5.5" IPS color LCD	
	LCD Resolution	720 x 1280 pixels	
	Sound	16bit	
	Operating Temperature	-20°C ~ 50°C (-4°F ~ 122°F)	
	Operating Humidity	0%~80%, non-condensing	
	Camera	2MP x 2EA (Visual, IR)	
	Dimension (W x H x D)	82.5mm x 171mm x 23.4mm	
	Weight	Device: 370g	Device: 380g
		Bracket (Including washer and bolt): 90g	
	Ingress Protection (IP)	IP65	
	Vandal Proof (IK)	IK06	
Certificates	KC, CE, UKCA, FCC, RCM (Compliance: RoHS, REACH, WEEE)		
Face	Recognition Distance	0.6 ~ 1.0 m (23.6"~39")	
	Recognition Height	1.4 ~ 1.9 m (55.1"~74.8")	
	Matching Speed	Less than 0.3 sec	
	Live Face Detection (Anti-Spoofing)	Supported	
Capacity	Max. User	100,000 ⁴⁾	
	Max. Credential (1:N)	Face: 50,000	
	Max. Credential (1:1)	Face: 100,000 / Card: 100,000 / PIN: 100,000	
	Max. Text Log	5,000,000	
	Max. Image Log	50,000	
Interface	Ethernet	Supported (10/100/1000 Mbps, automatic MDI/MDI-X)	
	Wi-Fi	-	
	RS-485	1ch Host or Slave (Selectable)	
	Wiegand	1ch Input and 1ch Output	
	TTL Input	3ch Inputs	
	Relay	1 Relay	
	PoE+	-	
	Intercom	Supported	
	USB	USB 2.0 (Host)	
	Extended USB	Supported	
Tamper	Supported		
Power	DC 12 V 2.5A, DC 24 V 1.2A		

¹⁾ DESFire EV2 cards are supported by having backward compatibility of DESFire EV1 cards. CSN and smart card functions are compatible with BioStation 3.
²⁾ RF read range will vary depending on the installation environment. ³⁾ Requires a separate license. ⁴⁾ The number of users registered without having any credential data.

CLIENT REQUIREMENTS

- Dedicated Plug point within 3 meters
- Surge Protector on the outlets where devices will be plugged
- Backup power onsite in case of power outage
- LAN connection, LAN Cable is needed with RJ45 pulled to device connection point
- Non conflicting IP Address, Subnet Mask and Gateway for LAN connection

3RD PARTY SERVER REQUIREMENTS

Please be advised that this device does not link directly to the online ERSBio portal and will connect via Suprema integration software installed on a designated pc/server that needs to meet the below requirements:

Operating System:	Windows 10/ Windows Server 2008/ Windows Server 2012/ Windows Server 2016/ Windows Server 2019 64-bit
Supported Databases:	PostgreSQL/ MS SQL Server/ Oracle
Recommended Browser Versions:	Internet Explorer 11+/ FireFox 27+/ Chrome 33+
CPU:	Dual core processor with speeds of at least 2.4GHz
Memory:	8GB or above
Storage:	50GB free space or larger (NFTS Recommended)
Monitor Resolution:	1024x796 or above
Internet Speed:	Minimum 20 MegaBytes/s download and 10 MegaBytes/s Upload speed (consistent speeds required)

