

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.