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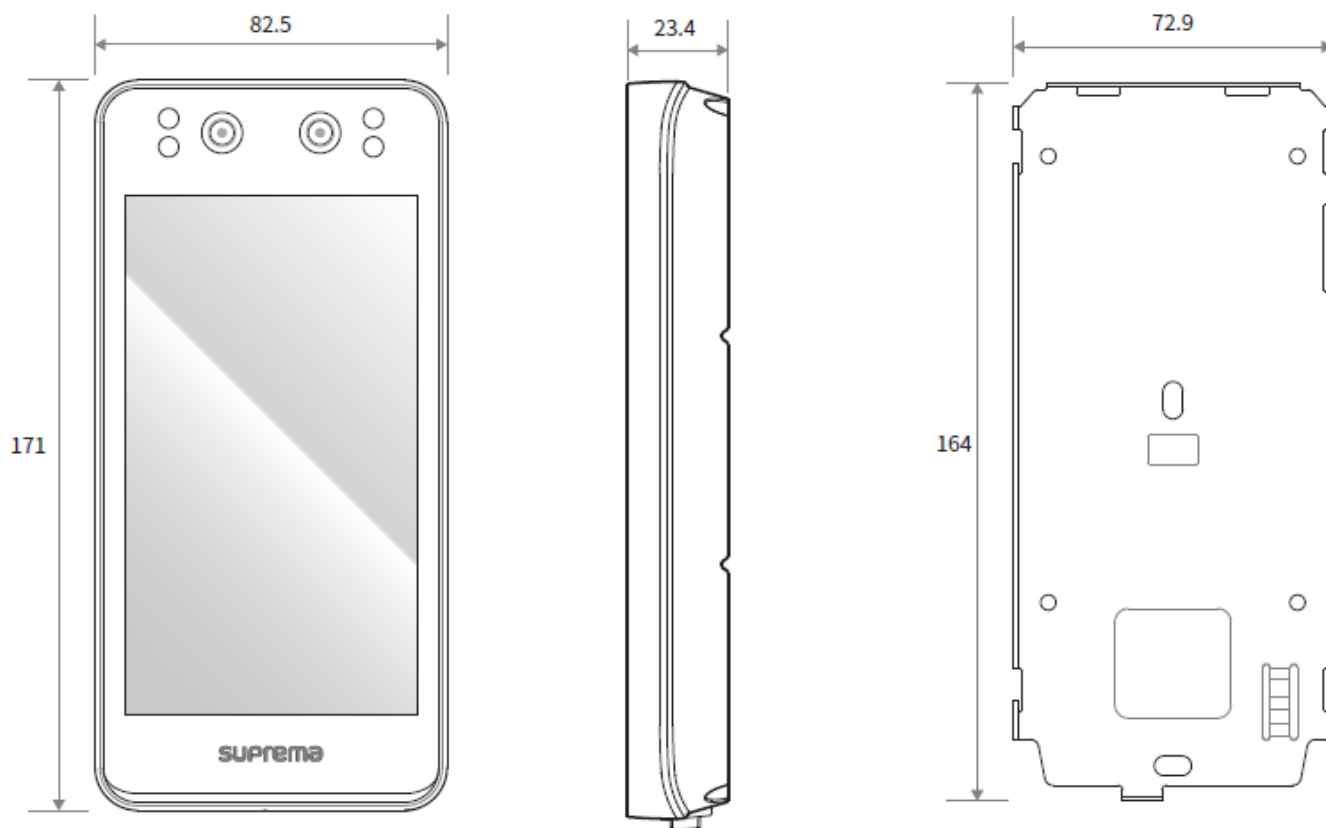
Product Specifications

Category	Feature	Specifications
Credentials	Biometric	Face
	RF card	● BS3-DB : 125kHz EM & 13.56MHz MIFARE, MIFARE Plus, DESFire, DESFire EV1/EV2/EV3 ¹⁾ , FeliCa ● BS3-APWB : 125kHz EM, HID Prox & 13.56MHz MIFARE, MIFARE Plus, DESFire, DESFire EV1/EV2/EV3 ²⁾ , FeliCa, iCLASS SE/SR/Seos
	RF detection distance ³⁾	EM/HID Prox/MIFARE/DESFire/HID iCLASS: 30 mm, FeliCa: 15 mm
	Mobile	NFC, BLE
	Barcode and QR code	Supported
General	CPU	1.5 GHz Quad Core
	Memory	32 GB Flash + 4 GB RAM
	Crypto chip	Supported
	LCD type	5.5" IPS color LCD
	LCD resolution	720 x 1280 pixels
	Sound	16bit
	Operating temperature	-20°C to 50°C
	Storage temperature	-40°C to 70°C
	Operating humidity	0% to 80%, non-condensing
	Storage humidity	0% to 90%, non-condensing
	Camera	2 MP 2EA
	Dimensions (W x H x D)	82.5 x 171 x 23.4 (mm)
	Weight	● Device - BS3-DB : 370 g - BS3-APWB : 380 g ● Bracket: 90 g (Including washers and bolts)
	IP rating	IP65
	IK rating	IK06
	Certifications	CE, FCC, IC, KC, RoHS, REACH, WEEE, UKCA, RCM
Face	Recognition Distance	0.6 to 1.0 m
	Recognition Height	1.4 to 1.9 m
	Matching speed	Within 0.3 seconds
	Live Face Detection	Supported

Category	Feature	Specifications
Storage capacity	Max. User	100,000 ⁴⁾
	Max. Credentials (1:N)	● Face: 50,000
	Max. Credentials (1:1)	● Face: 100,000 ● Card: 100,000 ● PIN: 100,000
	Max. Text logs	5,000,000
	Max. Image logs	50,000
Interfaces	Ethernet	Supported (10/100/1000 Mbps, automatic MDI/MDI-X)
	Wi-Fi	● BS3-DB : Not supported ● BS3-APWB : Supported (802.11 b/ g/ n 2.4 GHz)
	RS-485	1 ch Host / Slave (Selectable)
	Wiegand	1 ch Input, 1 ch Output
	TTL Input	3 ch Inputs
	Relay	1 Relay
	PoE+	● BS3-DB : Not supported ● BS3-APWB : Supported (IEEE 802.3at compliant)
	Intercom	Supported
	RTSP	Supported
	USB	USB 2.0 (Host)
	USB expansion port	Supported
	Tamper	Supported
Electrical	Power	DC 12 V (current: 2.5 A) or DC 24 V (current: 1.2 A)
	Switch input VIH	Min.: 3 V / Max.: 5 V
	Switch input VIL	Max.: 1 V
	Switch pull-up resistor	4.7 kΩ (The input ports are pulled up with 4.7 kΩ)
	Wiegand output VOH	4.8 V or higher
	Wiegand output VOL	0.2 V or lower
	Wiegand output pull-up resistor	Internal pull-up to 1 kΩ
	Relay	2 A @ 30 VDC Resistive load 1 A @ 30 VDC Inductive load

Dimensions

(Unit: mm)



1) 2)

The DESFire EV3 card is backward compatible with the DESFire EV1/EV2 card, so it provides the CSN and smart card functions, including those of the DESFire EV1/EV2 card.

3)

The RF detection distance may vary depending on the installation environment.

4)

Refers to the number of registered users without credential data.

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