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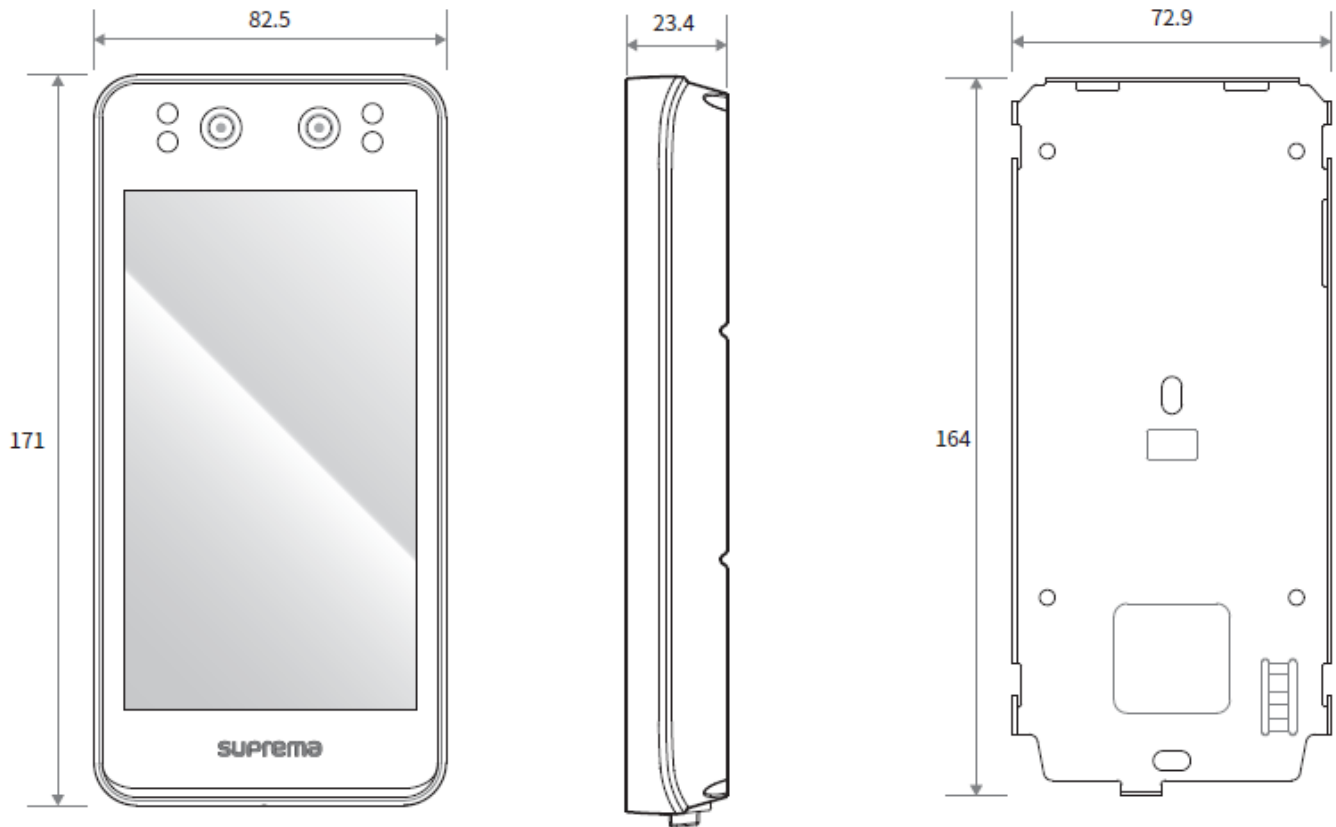
Product Specifications

Category	Feature	Specifications
Credentials	Biometric	Face
	RF card	<ul style="list-style-type: none"> ● BS3-DB: 125kHz EM & 13.56MHz MIFARE, MIFARE Plus, DESFire, DESFire EV1/EV2/EV3¹⁾, FeliCa ● BS3-APWB: 125kHz EM, HID Prox & 13.56MHz MIFARE, MIFARE Plus, DESFire, DESFire EV1/EV2/EV3²⁾, 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	<ul style="list-style-type: none"> ● 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 EV2/EV3 card is backward compatible with the DESFire EV1 card, so it provides the CSN and smart card functions, including those of the DESFire EV1 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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