BioStation 3

The New Door Access Experience

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DETEKTOR INTERNATIONAL AWARD
Best Product 2022
ID & ACCESS CONTROL

LES TROPHÉES EXPOPROTECTION
2022

PM 03:29⁵⁶

Access Granted
Emma
20230810

suprema

suprema
SECURITY & BIOMETRICS

Overview

BioStation 3 sets a new standard in access control, providing a new door access experience that enables improved security across all doors, for organizations of all sizes. This terminal is smaller than previous model, yet it has the largest variety of features.

With highly advanced facial authentication, access credentials and usability features, BioStation 3 makes it easier than ever to safely, securely and conveniently protect an organization's physical security and users' personal data.

AI-Based Facial Authentication with Higher Efficiency and Performance
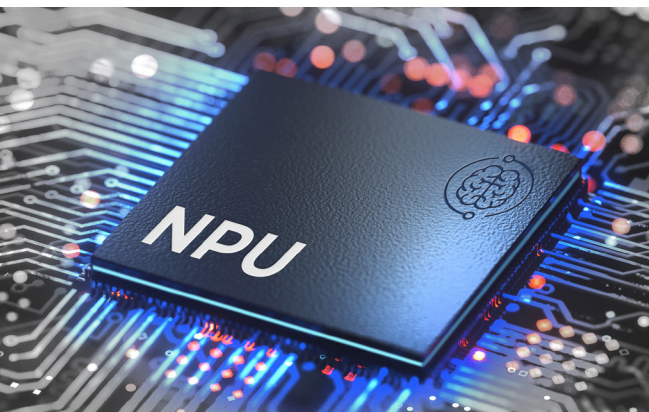
· Fast and Smart AI Optimized for Facial Authentication Access
  BioStation 3's NPU-optimized AI algorithm offers the highest standards in facial authentication accuracy and speed

· Nonstop Pass Trough with 0.2 Second Matching Speed

· Compatible with All Ethnicities and Facial Variations

· Protected Against Facial Spoofing

· Highly Accurate in Any Environment

· Quick and Easy Self Enrollment of Face Credentials

Multiple Contactless Access Methods

BioStation 3 provides multiple credential options. Choose from the most convenient authentication methods — all contactless and perfectly compatible with a post-pandemic world.

| Facial Authentication | Mobile Access | QR and Barcode | RFID Card |

The Highest Level of Privacy Protection

BioStation 3 takes data protection very seriously.
· ISO/IEC 27001 and 27701 certified to protect biometric data and user privacy
· Designed to comply with GDPR, one of the strictest privacy regulations
· Embedded with Secure Element (SE) and Secure Boot to protect against cyberattacks
· Completed penetration testing through a verified institution
· Provided with 'Face Template on Mobile' credential
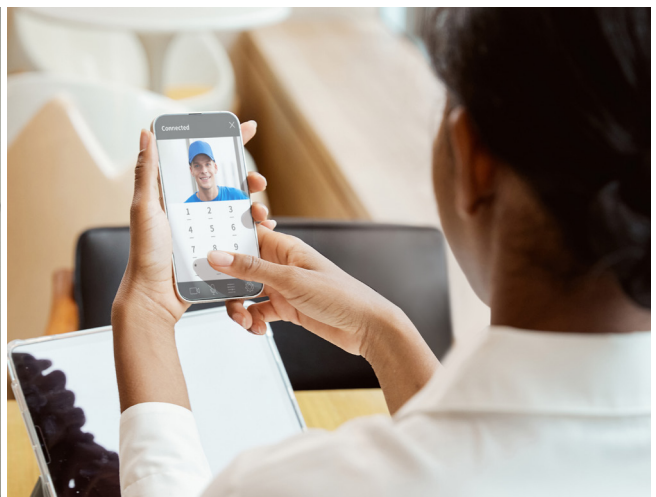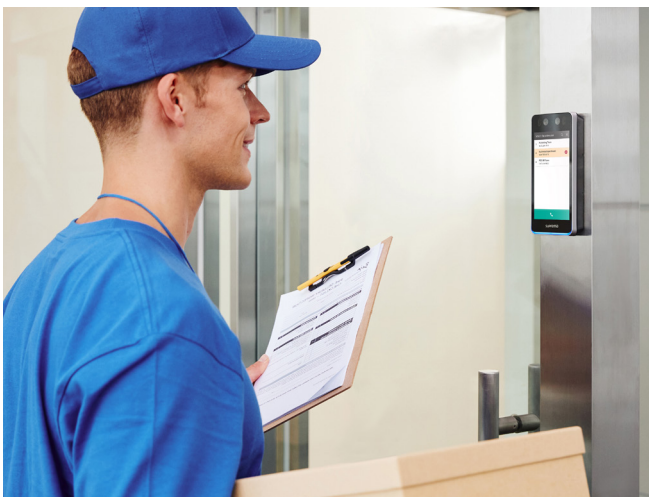
What is '**Face Template on Mobile**'?
– Own Your Own Data

Suprema's exclusive authentication method 'Face Template on Mobile' lets users enroll into an access control system and store their face profile directly on their own mobile devices. This gives the users complete control over their own ID and their privacy. Users' biometric data is not stored in company databases.

Easy Communication Across All Access Points

BioStation 3 enables integrated management over an entire access control system.
· Communicate seamlessly with all doors via VoIP Intercom
· Enable video monitoring via RTSP(Real Time Streaming Protocol)

Specifications

Model Name			BS3-DB	BS3-APWB
Biometrics			Face	
Credential	RF Option		125kHz EM & 13.56MHz MIFARE, MIFARE Plus, DESFire, DESFire EV1/EV2/EV3[1], FeliCa	125kHz EM, HID Prox & 13.56MHz MIFARE, MIFARE Plus, DESFire, DESFire EV1/EV2/EV3[1], FeliCa, iCLASS SE/SR/Seos
	RF Read Range[2]		EM/HID Prox/MIFARE/DESFire/HID iCLASS: 30 mm, FeliCa: 15 mm	
	Mobile		NFC, BLE	
	Scramble Keypad (PIN)		Supported	
	QR/Barcode[3]		Supported[4]	
General	CPU		1.5 GHz Quad Core	
	Memory		32 GB Flash + 4 GB RAM	
	Crypto Chip		Supported	
	Display		5.5" IPS color LCD	
	Display Resolution		720 x 1280 pixels	
	Sound		16 bit	
	Operating Temperature		-20 °C ~ 50 °C (-4 °F ~ 122 °F)	
	Operating Humidity		0 % ~ 80 %, non-condensing	
	Camera		IR: 2M pixels / Visual: 2M pixels	
	Dimension (W x H x D)		82.5 x 171 x 23.4 (mm)	
	Weight		Device: 370 g	Device: 380 g
			Bracket: 90 g (Including washers and bolts)	
	IP Rating		IP65	
	IK Rating		IK06	
	Certifications		CE, UKCA, KC, FCC, IC, RCM, BIS, SIG, RoHS, REACH, WEEE, MIC, TELEC	CE, UKCA, KC, FCC, IC, RCM, BIS, SIG, RoHS, REACH, WEEE, MIC, TELEC, ETL Listed to UL294
Face	Authentication Distance[5]		0.3 ~ 1.0 m (11.8"~39")	
	Authentication Height		1.4 ~ 1.9 m (55.1"~74.8")	
	Matching Speed		Within 0.2 seconds	
	Live Face Detection (Anti-Spoofing)		Supported	
Capacity	Max. User		100,000[6]	
	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, auto MDI/MDI-X)	
	Wi-Fi		Not supported	Supported (802.11 b/g/n 2.4 GHz)
	Network Protocol		TCP, UDP	
	RS-485		1 ch Master / Slave (Selectable)	
	RS-485 Communication Protocol		OSDP V2 compliant	
	Wiegand		1 ch Input, 1 ch Output	
	Input		3 ch Inputs	
	Relay		1 Relay	
	PoE+		Not supported	Supported (IEEE 802.3at compliant)
	Intercom		Supported	
	RTSP (Real Time Streaming Protocol)		Supported	
	USB		USB 2.0 (Host)	
	USB expansion port		Supported	
	Tamper		Supported	
Power			Voltage: 12 Vdc / Current: Max. 1 A Voltage: 24 Vdc / Current: Max. 0.7 A	

[1]DESFire EV2/EV3 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 installation environment. [3]Supports QR/Barcodes composed of up to 32 ASCII code strings. [4]Requires a separate license.
[5]The minimum facial authentication distance shown is the default setting for the product, and the recommended facial authentication distance is 0.6 to 1.0 m.
[6]The number of users registered without having any credential data.

· If BioStation 3 is a master device and a device with a fingerprint sensor is connected as a slave, the slave device can be used for fingerprint authentication.
– Max. Fingerprint Credentials (1:N): 100,000 / Max. Fingerprint Credentials (1:1): 100,000