vantage
keeping you safe

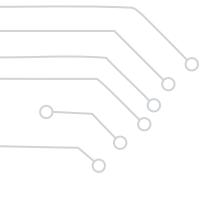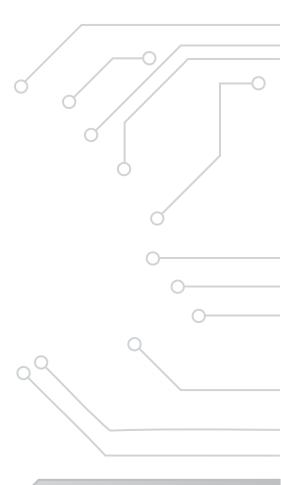# LONG RANGE FACE RECOGNITION
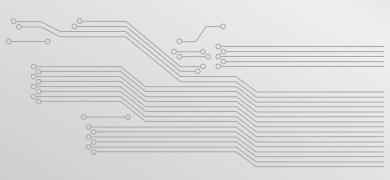## TIME ATTENDANCE SYSTEM

VV-BS851FR-PCAT5
AI FACE + PALM VEINS RECOGNITION TIME ATTENDANCE SYSTEM

FEATURES

Multi-mode biometric verification time & attendance access control system

Less intrusive palm vein recognition, addressing privacy concerns by eliminating need to capture facial images

Long range face recognition detection distance of up to 8 feet supported

5" high definition LCD display with capacitive touch screen user interface

Dynamic biometric recognition modes support face, palm veins, fingerprint, PIN, 125KHz proximity card (13.56 MHz smart card optional)

User capacity of up to 5,000 face and 10,000 palm veins & fingerprint templates

Alarm notification through voice prompts & software alerts

Centralized web-based time attendance & access control software application for real-time data & reports management

5" Color LCD Display	Long Range Face Recognition	Touch Screen	Live Face Detection	Palm Vein Verification

CE FC RoHS

VV-BS851FR-PCAT5

Hardware & Platform	CPU	Dual-core, 1.2G
	OS	LINUX 3.10
	Operation Mode	Offline/Online
	Screen Technology	Capacitive LCD IPS touch screen
	Display Resolution	5 inch, HD 720 x 1280 pixels
Operation Capacity	Face Templates	5,000 users (20,000 optional)
	Fingerprint	10,000 users (50,000 optional)
	Palm Vein Capacity	10,000 users
	Password	15000 users
	Card	15000 users
	Transaction Capacity	500,000 logs
	LED	LED Double high power infrared light
Verification	FAR	< 0.001%
	FRR	<0.1%
	Verification Time	< 0.3s
	Algorithm	Advanced Smart algorithm V 15.0
	Verification Mode	1:1; 1:N
	Authentication Modes	Dynamic Facial Recognition , password, ID/IC Card optional
Operational Features	Face Recognition Accuracy	99.70%
	Recognition Distance	0.5 to 2.5 meters
	Face Recognition Time	≤0.2S
	Voice Notification	Supported
	Real Time Clock	Supported
	Card Reader	Inbuilt 125 Khz EM card reader (Mifare reader optional)
	Languages	English
	WDR	Wide dynamic range, supporting accurate face recognition under strong light , dark light and backlight
	Access Control Support	Door Relay Access control function with NO-NC support
	User Interface	Touch based OSD menu
	Face Registration	Local operation: Enroll face with machine, import user photo with U disk Software operation: Import user photo to software, capture user photo with camera
	Verification	Dynamic face recognition, fingerprint/ palm veins/ password, ID/IC card optional
	Camera	Dual face recognition 2MP Full HD 1080p colour camera & 2MP Full HD 1080p infrared camera
	Dark Ambience Control	LED fill light/ dual high power infrared LED light (automatic control according to ambient lighting condition)
	Anti-Pass Back	Supported
	Tamper Alarm	Supported
	Face Anti Spoofing	Dual camera anti-counterfeiting, prevents recognition with photo/video
	QR Code Scanner	Supported (optional)
	Door Sensor	Supported
	Alarm Output	Supported
	Fire Alarm Input	Supported
	Doorbell	Supported
	Intelligent Function	Live face detection, enhanced photographic database supports face detection accurately for different skin tones, users with grown moustache and beard or while wearing makeup, beard & moustaches mask, head scarf, sunglasses etc.

PARAMETERS/SPECIFICATIONS:

VV-BS851FR-PCAT5

Communication	Ethernet	TCP/IP 10/100 ethernet interface
	USB	USB 2.0 x 1, support U disk import/export data
	WiFi	Supported (optional)
	Wiegand	26/34 Supported
	Push Data Technology	Supported
	Cloud Technology	Supported
Power	Power Requirement	DC12V,2A
	Working Current	Stand by current :310mA, working current 520mA
Environmental	Operation Temperature	-15°C - +45°C
	Storage Temperature	-40°C - +65°C
	Operating Humidity	20% ~ 90%
	Dimension	188mmx80mmx20mm
Certifications	Certifications	CE, FCC, ROHS