vantage
keeping you safe

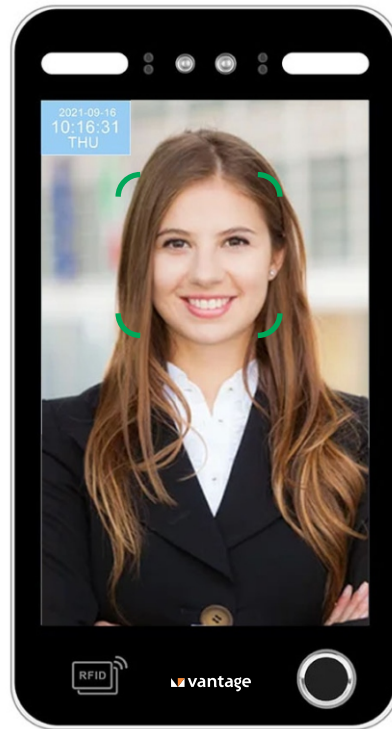# LONG RANGE FACE RECOGNITION
TIME ATTENDANCE SYSTEM

VV-BS900FR-CAT5
AI FACE RECOGNITION + FINGERPRINT TIME ATTENDANCE SYSTEM

2021-09-16
10:16:31
THU

RFID

vantage

FEATURES

Long range face time & attendance biometric access control system

Detection distance more then 8 feet supported

User Face capacity of 100,000 face templates

10.5" HD 1300 x 820 Capacitive Touch Screen

IP65 waterproof enclosure

Alarm notification through voice prompt & software alert

Centralized network software for attendance & data management supported

10.5" Color LCD Display	Long Range Face Recognition	Touch Screen	Live Face Detection	Waterproof

CE FC RoHS

PARAMETERS/SPECIFICATIONS:

VV-BS900FR-CAT5

Parameter	Specifications
Operation System	Embedded Linux OS
CPU	1.2 GHz Dual-Core ARM Cortex-A7
NPU	Integrated AI neural processing unit
RAM	512 MB DDR3
ROM	8 GB eMMC
Display Resolution	10.5 Inch, HD 1300 x 820 pixels
Screen Technology	Capacitive LCD IPS touch screen
User Interface	Touch based OSD menu
Dual Camera Technology	Dual face recognition 2MP Full HD 1080p Color Camera, 2MP Full HD 1080p Infrared Camera
WDR	Super wide dynamic range 140dB for dual cameras, supporting accurate face recognition under strong light, dark light and backlight
Dark Ambience Control	LED fill light/ dual high power infrared LED light (automatic control according to ambient lighting condition)
Ambient Light Adaptation Range	Up to 10,100 Lux
Automatic Fill Light	Support infrared fill light, the white fill light automatically lights up when face is captured in dark light
Face Enrolment	Local operation: register face directly via device camera, import image via U disk Software operation: import image via network software ,user image capture with camera
Face User Capacity	100,000
Face Recognition Distance	0.5~2.6 meters (0.5~1.6 meters live face recognition)
Face Recognition Accuracy	99.8%
Face Anti Spoofing	Dual camera anti-counterfeiting, prevents recognition with photo/video
Identification Technology	Multi-task cascaded convolutional Neural Network (MTCNN) face algorithm to detect, align, and extract facial features from digital video stream for dynamic face detection, tracking and recognition
Face Mask Detection	Alerts for face mask supported
Stranger Face Detection	Detects presence of non-registered face in front of camera and alert the system
Intelligent Function	Live face detection, enhanced photographic database supports face detection while wearing mask
Fingerprint Sensor	High performance semiconductor capacitive fingerprint scanner
Fingerprint Template Capacity	100,000
Card Capacity	100,000
Transaction Capacity	1,000,000
Overall User Capacity	100,000
Multi-Mode Verification	Dynamic face recognition, fingerprint, proximity RFID card, PIN, combination of fingerprint + face + PIN
Identification Mode	1:1, 1:N
Recognition Speed	≤ 0.2 sec
FRR	<0.1%
FAR	<0.001%
Recognition Prompt	Supports audio & visual message on successful recognition with name and user ID displayed on screen
USB	USB 3.0 x 1, supports U disk import/export data, including shift schedule
Speaker Interface	Built-in speaker
Network Communication	TCP/IP, supports LAN communication, Wi-Fi, USB Type A

PARAMETERS/SPECIFICATIONS:

VV-BS900FR-CAT5

Access Control Interface	Relay ouput x 1 Alarm output x 1 Wiegand In & Out 26/34 bit x 1 Exit button x 1 Door sensor x 1 Electro-magnetic lock x 1
Time Attendance & Access Management	Compatible PC server based software supports data, user, shift setting & report management over LAN or USB disk
QR Scanner	Camera supports QR code scanning
Access Control Function	Door unclosed alarm, forced door opening alarm, alarm linkage and output, one set of door opening signals, one set of alarm signals, time permission control,connect external access control reader, Wiegand 26/34 output input
Anti-Pass Back	Available in wiegand
Ingress Protection Rating	IP65
Working Current	Stand-by current:300mA , Working current: 500mA
Working Voltage	DC 12V
Power Supply	Industrial grade DC 12V 2A standard / DC 12V 5A for access control
Working Temperature	-35°C~72°C
Working Humidity	95% or less non condensing
Installation Options	Standard: Wall mount, desktop stand; Optional: bracket for flap barrier/ turnstiles, floor stand
Dimension	299x161x20mm
Weight	0.8kg
Certifications	CE, FCC, ROHS

*Exact products and specifications shown may vary by geographic region and are subject to change without notice. Product image, weights and measurements are approximate and may vary due to customized solutions & products being offered as per customer requirements.