ZKTeco

MB20-VL
Linux-Based Hybrid Biometric
Time & Attendance and Access Control Terminal
with Visible Light Facial Recognition

Proactive Facial Recognition

New Hight of Anti-Spoofing

Speedy Recognition

+/- 30 Wide Pose Angle Acceptance

Touchless for Better Hygiene

Compatible with
ZK Bio Access IVS

MB20-VL is a touchless multi-biometric identification terminal featuring ZKTeco's innovative Visible Light Facial Recognition technology.

With the latest algorithm and Visible Light facial recognition technologies, the device can recognize a target in the distance from 30cm to 50cm. It will automatically operate when it detects a human face in the detection distance to deliver better recognition quality in terms of speed and accuracy than the previous near-infrared facial recognition terminals.

With the applied Deep Learning algorithm, the pose angle tolerance and anti-spoofing ability against the dynamic environment and various spoofing attacks have been greatly enhanced.

Together with the world's cutting-edge 3D Neuron Fingerprint Algorithm and comprehensive support in mainstream card modules, MB20-VL must be the best fit in various working environments satisfying different customer's needs.
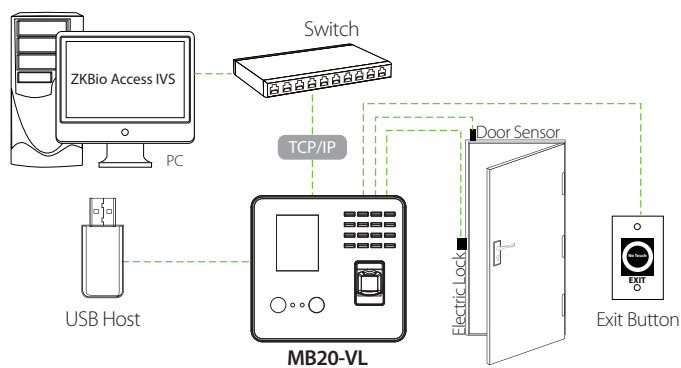
Features

• Visible Light facial recognition

• Anti-spoofing algorithm against print attack (laser, color and B/W photos), videos attack and 3D mask attack

• Multiple verification methods: Face / Fingerprint / Card (Optional) / Password

• Card modules (Optional): 125kHz ID Card (EM) / 13.56MHz IC Card

• TCP/IP network, USB Host and WiFi (Optional)

• Standard with Built-in SSR Excel Software

• Simple access control

Specifications

Display	2.8-inch TFT Screen
Face Capacity	100 (Optional:800)
Fingerprint Capacity	500 (Optional:800)
Card Capacity	500 (Optional),Max.800
Transactions	50,000 (Optional:150,000)
Communication	TCP/IP, USB Host, WiFi (Optional)
Standard Functions	ADMS, DST, Self-service Query, Automatic Status Switch, T9 Input, Camera, 9-digit User ID, Multiple Verification Methods, Bell Scheduling, SSR
Hardware	1GHz Dual-Core CPU, 256MB RAM/256MB Flash, 1MP Binocular Camera
Operation System	Linux
Access Control Interface	3rd Party Electric Lock, Door Sensor, Exit Button
Optional Functions	125kHz ID Card (EM) / 13.56MHz IC Card, WiFi
Biometrics Algorithm	ZKLiveFace V3.5 / ZKFinger V10.0
Facial Recognition Speed	≤1s
Power Supply	5V 2A
Working Humidity	20% to 80%
Working Temperature	0℃ to 45℃
Dimensions (W*H*D)	161.93*152.93*31.50 (mm)
Supported Software	ZKBio Access IVS (T&A)

Configuration

Dimensions (mm)