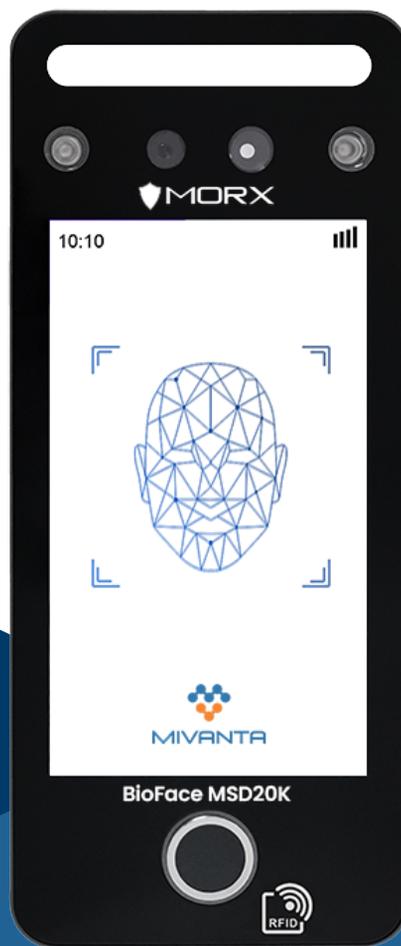# BioFace MSD20K

AI Face Recognition Access Control Time Attendance

| Face | Fingerprint | RFID Support | PIN | 0.5-2.5 meters Reading Distance | Live Face Detection | Photo Capture | Mask Detection | QR Code Reading | 5.0 inch Touch Screen | Access Control |

| Education | Retail | Government | Health | Logistics | Bank | Office | Factory |

Hardware	
Model	Bioface-MSD20K
CPU	1.2G Dual-Core ARM Cortex-A7
NPU	600G (0.6T)
RAM	256M DDR3L
ROM	4G EMMC
Camera	Real Sensor 1/2.9 inch FOV 75° 2MP pixel high-definition color camera WDR
Fill Light	wide dynamic Sensor 1/5 inch FOV 75° 2MP pixel infrared live camera
	LED Fill Light and Dual Infrared Fill Light (Automatic control according to ambient light)
Display	5.0 Inch IPS Touch Screen, HD 720*1280
Communication port	TCP/IP, USB-Type A(Support U disk), Wifi, RS485
Product Size	188mm*80mm*20mm
Power	DC 12V, 2A
Working Temperature	0~45 °C
Working Environment	Under normal light, strong light, dark environment, backlight
Material	Aluminum alloy case

Firmware Specs	
OS	Linux 3.0
Language	English and customizable
Verify Method	Face Recognition, Fingerprint, ID Card(IC optional), Password or combination
QR Code Scanner	Support(Scan by camera)
Face/Card/Password Capacity	20,000
Fingerprint Capacity	40,000
Logs Capacity	5,00,000
Face Recognition Speed	<0.2S
Face Recognition Distance	0.5~2.5 meters(adjustable)
Live Face Detection	Reject Photo and Video
Mask Detection	Support mask detection and face recognition with wearing mask

Access Control Interface	
Relay output	One set
Alarm output	One set
Fire Input	One set
Door sensor	Support
Wiegand	One set WG 26/34 Input/Output
Exit button	Support
Doorbell	Support
Tamper Alarm	Support
Anti-pass back	Support
Interlock	Support