AFT304+
ACCESS CONTROL
FACE RECOGNITION
TEMPERATURE INDICATOR

Facial Recognition
MIKE JOHNSON
Temperature
36.7°

Control the access to restricted areas

Using Facial Recognition and accurate temperature readings, easily monitor your employee's access at any time. Thanks to its backlight management with its WDR and in conjunction with the Instant Face Recognition algorithm (500ms), you can have a precise face reading and avoid false alarms. Detection can be done even if using a face mask. Register up to 22,400 faces in the database. The camera will issue an audible alert if a person's temperature is too high.
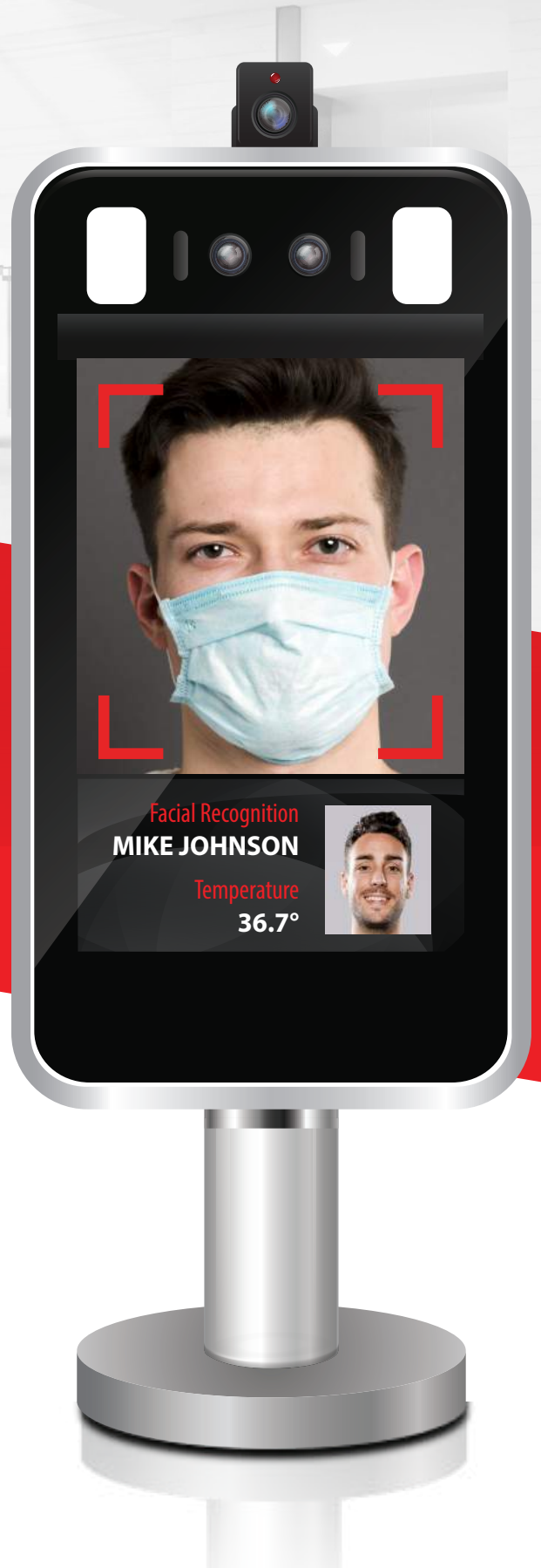
0.5s measurement

Contact-Free

AI
AI Algorithm

Use for Identification, Screening and analysis of Fever and potential infected persons

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321mm

8 in (203mm)

154mm

FEATURES

· Temperature range: 30-45°C ± 0.3°C accuracy
· Detecting people without wearing mask, push alarm message
· Can set high temperature alarm
· Support temperature data SDK and HTTP protocol integration with third party platform
· Support information auto log, no extra manual operation needed
· Professional face recognition algorithm with high accuracy, recognition time <500ms
· Support wide dynamic ≥ 80dB, can adjust exposure on moving object to get a clear image under strong backlight environment
· Linux operation system, reliable and stable
· Windows/Linux SDK and HTTP protocol
· 8-inch IPS High Resolution Display
· MTBF > 50.000 hours
· Support over 22 000 faces database and 100 000 face recognition records
· Support anti-fog, 3D noise reduction, BLC, stabilizer, and different white balance to fit for different application requirements
· Supports electronic voice broadcast (normal/high temperature alarm, mask detection, face recognition verification results)
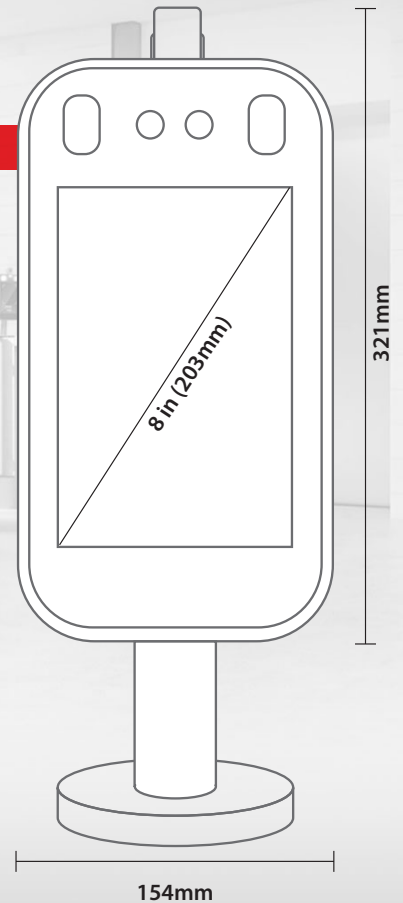
SPECIFICATIONS

Hardware:
Processor: Hi3516DV300
Operating system: Linux operating system
Storage: 16G EMMC
Imaging device: 1/2.7" CMOS
Lens: 4mm

Camera parameters:
Camera: Binocular camera supports live detection
Effective Pixels: 2 million effective pixels, 1920*1080
Minimum illumination: Color 0.01Lux @F1.2 (ICR); black and white 0.001 Lux @F1.2
Signal to noise ratio: ≥50db (AGC OFF)
Wide dynamic range: ≥80db

Facial Recognition specs:
Face recognition height: 1.2-2.2 meters, adjustable angle
Face recognition distance: 0.5-3 meters
Perspective: 30 degrees up and down
Recognition time <500ms
Face library: support 22,400 face comparison library
Face attendance: 100,000 face recognition records
Mask detection: Mask recognition algorithm, real-time reminder
Door authorization: White list comparison output signal
(optional mask, temperature, or 3-in-1 authorization)
Stranger detection: Real-time snapshot push
Identify the scene: Backlight capture recognition and low-light fill light recognition in the sun.

Temperature performance:
Temperature measurement range: 30-45 (°C)
Temperature measurement accuracy: ±0.3 (°C)
Temperature measurement distance: ≤0.5m
Response time: <300ms

Interface:
Network interface: RJ45 10m / 100m adaptive Ethernet port
Wiegand interface: support Wiegand input or Wiegand output, Wiegand 26 and 34
Alarm output: 1 switch output
USB interface: 1 USB interface (can be connected with external ID card reader)

General parameters:
Powered by: DC 12V / 3A
Equipment power: 20W (MAX)
Operating temperature: 0°C ± 50°Cv
Working humidity: 5 ~ 90% relative humidity, non-condensing
Equipment size: 154 (W) * 89 (Thick) * 325 (H) mm
Equipment weight: 2.1 KG
Column aperture: 33mm