**AVYCON**®

# AVT-BT800A-DU

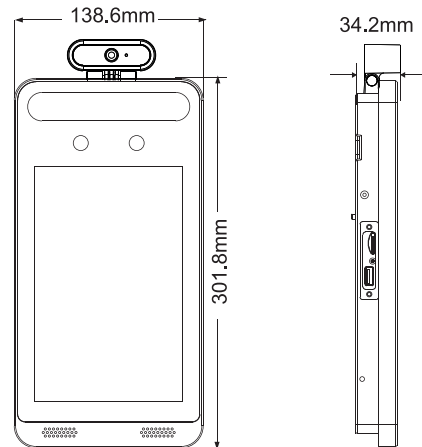8" LCD TEMPERATURE SCREENING & FACE RECOGNITION ACCESS CONTROL WITH SMART FEATURES

## OVERVIEW

- High accuracy IR body temperature measurement
- Non-contact body temperature measurement
- Highly accurate face recognition using deep learning algorithms
- Real-time face recognition even with a mask on
- Face liveness detection technology distinguishing real faces from fake face spoof attacks
- 20,000 face capacity
- Human-sounding voice prompts and alarms
- Standalone device, ready for networking
- 8 inch LCD screen
- Temperature Measuring Accuracy: ±0.54°F (±0.3°C)
- Face Recognition Accuracy: 99.7%
- Face Recognition Duration: ≤0.5s

## DIMENSIONS

Unit : inch(mm)

138.6mm

34.2mm

301.8mm

## OPTIONAL ACCESSORIES

**AVM-DBPN-BD1**
DESKTOP TYPE BRACKET

**AVM-SBPN-BD1G**
TURNSTILE TYPE BRACKET

**AVM-SBPN-BD1**
FLOOR STANDING TYPE BRACKET

**AVR-HN808P8-FDT**
FACIAL & TEMPERATURE DETECTION NVR

**SD-32G-WDP (32GB)**
**SD-64G-WDP (64GB)**
**SD-128G-WDP (128GB)**
**SD-256G-WDP (256GB)**

**AVA-PAB-12VDH2A**
POWER SUPPLY
(NOT INCLUDED)

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# SPECIFICATIONS

| PERFORMACE | |
|---|---|
| OS | Embedded Linux |
| Storage | 8Gb DDR3 +16GB EMMC |
| **SCREEN** | |
| Display Screen | 8inch LCD screen; resolution: 1280x800; contrast: 500:1 |
| Brightness | 500 lux |
| Control Interface | I2C |
| **TEMPERATURE MEASUREMENT** | |
| Temperature Measuring Range | 89.6°F ~ 109.4°F (32°C ~ 43°C) |
| Accuracy | ±0.54°F (±0.3°C) |
| Measuring Distance | 0.3~0.5m |
| **FACE RECOGNITION** | |
| Sensor | 1/2.7 |
| Lens | 2MP dual-lens, f=3.97mm @ F1.6 |
| Lens Mount | M12 |
| WDR | 120db |
| Height Range of Face Recognition | 1.2m-2.2m (the recommended installation height is 1.45m) |
| Face Recognition Distance | 0.3m-2m |
| Recognition Mode | Face: 1：N |
| Recognition Duration | ≤ 0.5 s per person |
| Face Capacity | 20,000 |
| Recognition Accuracy | 99.7% |
| **SUPPLEMENTARY LIGHT** | |
| Fill-in Light | Soft white light, IR light |
| White Light Distance | 1-3m |
| **SMART LINKAGE** | |
| Screen Wakeup | Yes |
| Light Adjustment | Yes |
| Snapshot | Yes |
| **AUDIO** | |
| Two-way Talk | Yes (noise reduction and echo cancellation) |
| Audio Input | 1CH built-in MIC |
| Audio Output | Built-in speaker |
| **INTERFACE** | |
| Network Interface | 10/100Mbps self-adaptive Ethernet port x1 |
| Alarm Input | 2CH |
| Alarm Output | 2CH |
| Wiegand Interface | Wiegand input/output（26/34） |
| RS485 | RS485x1 (half duplex) |
| Door Lock Output | Relay output, NO/NC(optional), delay setting supported |
| SD Card Interface | 1 micro SD card slot, up to 128G |
| USB Interface | USB x1 |
| Anti-Tamper Interface | 1 button |
| Exit Button | 1 |
| Reset Button | 1 |
| **GENERAL** | |
| Power | 12V @2A |
| Power Management | Screen sleep, screen protection |
| Power Consumption | <12W |
| Weight | Approx. 2.65lbs (1.2kg) |
| Installation | Wall Mounting,  Pole Mounting, Embedded Installation, Desktop |
| Protection | Surge Protection and Voltage Transient Protection |
| Certificate | CE, FCC |
| Environment Protection | Complies with Directive EU RoHS, WEEE(2012/19/EU) , directive 94/62/EC and REACH(EC1907/2006) |
| Working Environment | 32°F ~ 104°F (0°C ~ 40°C), <95% (non-condensing) |
| Dimensions | 11.89" x 5.46" x 1.35" (301.8mm x 138.6mm x 34.2mm) |