

**ThermoVu DTM-600 with Facial Recognition
(Standing Pole Mount, Table Mount, or Wall Mount)**

North Carolina Sheriffs' Association

“Technology Procurement Program”

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Submitted by:



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ThermoVu DTM-600

Face Recognition Access Control Terminal with Digital Detection Module

The ThermoVu DTM-600 is a non-contact temperature-screening and face recognition access control terminal. It provides accurate temperature reading, precise and fast facial recognition, and large storage capacity. The digital detection module supports rapid body temperature detection, making it possible to achieve real time photos or videos and temperature detection at the same time. The DTM-600 is ideal for controlling entrances and documenting staff in places like schools, office buildings or gyms.



Features

- Thermal Measuring Instrument
 - System Software
 - Facial Recognition
 - Input and Output Alarm
 - Pole, Wall, Tablet Mount
 - Support non-contact detection of wrist temperature, support warning people with abnormal body temperature
 - Support body temperature detection and personnel information binding, which can quickly confirm personnel information
 - Distance ranging for improved accuracy of temperature measurement
 - Body temperature measurements can be linked to user profiles
- Support configurable temperature detection threshold value.
 - Personnel access authority can be configured through temperature detection threshold value
 - Accurate temperature measurement. Non-contact wrist temperature detection module has a measurement range between 86°F to 113°F range, with a measurement accuracy of $\pm 0.2^{\circ}\text{F}$, and a measurement deviation is less than or equal to $\pm 0.5^{\circ}\text{F}$, when measured between 1 to 2 inches. This greatly exceeds FDA recommendation, which is $\pm 0.9^{\circ}\text{F}$ accuracy, $\pm 0.4^{\circ}\text{F}$ precision, and 93°F to 102°F range.
 - Deep learning facial recognition algorithm has face recognition accuracy rate > 99%. Built-in GPU chip supports local offline facial recognition with 10,000 face capacity. Face whitelist (1:N)
 - Fastest recognition time of 0.2 seconds. Various model merge mode is used to reduce false rate and increase pass rate
 - WDR, 2MP, 1080P, low illumination, wide-angle, F.16 large aperture lens camera for capturing high quality images with various complex lighting scenes
 - Anti-spoofing detection based on deep learning algorithm, effective against fraud such as photo and video
 - Face metering and human metering for fast adapting to ambient light
 - Suggested mounting height for face recognition: between 3.3ft and 7.2ft, face recognition distance: 8in to 9ft 6in
 - Screen saver minimizes brightness to prevent glare at night
 - Supports up to 6 additional photos of the base library for a single person
 - Supports video capture

- Supports facial recognition, card, and QR code authentication for door control
- Two-way audio with indoor monitor
- Built-in 4GB EMMC front end storage for up to 8,000 events capacity (with images)
- Tamper protection, supports door open timeout, and time exceed alarm function to keep door opening during fire alarm active
- One-Year Warranty

ThermoVu DTM-600 Specifications

Operation System	Linux
Face Recognition Accuracy Rate	>99%
Face Recognition Time	200ms
Face Capacity	10,000
Card Capacity	100,000
Storage Capacity	4GB
Event Capacity	8,000 (with images)
Measurement Range	30° C to 45° C, 86° F to 113° F
Measurement Accuracy	0.1° C, 0.2° F
Measurement Deviation	≤0.3° C, ≤±0.5° F
Measurement Distance	1 to 2 inches
Authentication Mode	Face Whitelist: (1:N)
	Card: (1:N)
	Face + Body temperature + Mark Detection
Door Opening Method	Face, Password, QR code, Card
Communication Mode	10/100Mbps adaptive network port
Card Type	Mifare1 Card
User Management	Support user library addition, deletion, update
Record Management	Support local recording and real-time upload
Interface	LAN×1, Wiegand Input×1, Wiegand Output×1, RS485×1, Alarm Input×2, Alarm Output×1, USB2.0×1, Lock×1, Door Contact ×1, Exit Button×1
Power Supply	Input 12V±25% DC
Power Consumption	Terminal: 10W
	Module: 756mW
Weight	Terminal: 641g, 22.6oz
	Module: 131g, 4.6oz
Screen	Touch Screen, Size:7-inch, Resolution: 600×1024
Camera	Dual Lens, 2MP, 1080P
Supplement Light	LED soft light and infrared light
Dimensions (L×W×H)	For terminal: 134.0mm × 33.0mm × 305.0mm, 5.28in x 1.30in x 12.00in
	For module: 87.0mm × 45.0mm × 27.0mm, 3.43in x 1.77in x 1.06in
Working Environment	For terminal: -20° C to 65° C, -4° F to 149° F, Relative Humidly <95% (non-condensing)
	For module: 10° C to 40° C, 50° F to 104° F
Protection Level	Both terminal and module: IP 54
Application Situation	Indoor, No wind

DTM-600 Product Dimensions

