

BrightScan™ Thermographic Display System

Touchfree Temperature Measurement with Facial
Recognition and Mask Detection Capabilities

Features

- ✓ 8.0 inch IPS LCD display
- ✓ Integrated camera, thermal sensor and display
- ✓ Touchless body temperature
- ✓ Mask detection for entry
- ✓ Facial recognition for point of entry
- ✓ Built for 24/7 operations
- ✓ Integrate with existing access control systems
- ✓ Visitor log management
- ✓ Table stand, floor stand or wall mount options



If enabled, the built-in camera can recognize an individual's face using advanced facial recognition software

Facial
Identification

Records body temperature with $\leq 0.5^{\circ}\text{F}$ accuracy in under one second with audible feedback

Body
Temperature

Contact-Free!

Keeps track of name, date, time and temperature of entrants

Registers
Visitors

Mask Detection

When a person not wearing a mask is detected, a no-access message is both displayed and voiced



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Product Details

The BrightScan™ Thermographic Display System (BrightScan™) is an advanced AI (Artificial Intelligence) thermal scanner and access control system that accurately identifies a person and measures their body temperature, with or without a mask or glasses. Perfect for offices, hotels, healthcare (adjunctive diagnostic screening only), education, restaurants, retail, transportation and other public spaces.

- ✓ Built in non-contact high-precision thermal image module + in vivo detection
- ✓ Temperature detection accuracy $\pm 0.5^{\circ}\text{F}$
- ✓ Support temperature detection, mask detection, face recognition
- ✓ Built in deep learning face recognition algorithm, stable and reliable
- ✓ Support 50,000 faces in database
- ✓ Fast recognition at millisecond level
- ✓ 8-inch HD LCD display
- ✓ Built-in speaker; local output voice alarm after abnormal temperature; Bluetooth speaker capable
- ✓ Industry ultra-thin design, modern and good-looking
- ✓ Record identification and body temperature information for contact tracing
- ✓ Support Wiegand protocol, can directly drive access control, and control various gates
- ✓ Rich hardware interfaces, integrated 100M Ethernet interface, audio interface
- ✓ Wiegand interface, relay interface, TF card, USB and other interfaces
- ✓ 1 / 2.7" 2-million pixel progressive scanning image sensor, excellent low illumination
- ✓ Maximum output resolution is 1920x1080 @ 30fps; fine image quality
- ✓ Supports 2D and 3D digital noise reduction function; clean picture with low noise
- ✓ Supports h.265+/h.265/H.264/MJPEG video compression algorithm
- ✓ Supports multi-level video quality configuration and coding complexity setting
- ✓ Low-power consumption; main board power consumption as low as 10 watts
- ✓ Stable software architecture, reliable and easy to expand



Buy with Confidence!

Based out of the Manoa Innovation Center, Bright Light Digital is a local technology company established in 2016. We provide support with every sale and include a one-year warranty on the BrightScan™ (extended warranties also available).



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Product Specifications

Name		BrightScan Thermographic Display System
Product Function		Temp detection,mask detection,face recognition,attendance, wifi
Model No.		BTDS-2
Details		
Panel		8inch LCD screen
		Resolution: 1280*800
		Front face temper glass
		Touch: not support
Temp Sensor	Sensor	Thermal imaging infrared temperature sensor
	Temperature	Accuracy: $\pm 0.5^{\circ}\text{F}$
	Detect distance	0.2m~0.6m
	FOV field of view	<30 degree
	Well known brand	Melexis from Belgium
Camera	Sensor type	1/2.7" COMS
	Max resolution	1920*1080
	Dynamic range	$\geq 120\text{dB}$
	Effective focal length	4.43mm
	Aperture	2.0
	Field angle	75°
	distortion	<1.5%
	Type	Monocular camera, color
Operation System	CPU	Android RK3288, 4 core ARM-A17, 1.8GHz
	GPU	Mali-T764
	RAM	DDR 2GB
	ROM	EMMC 8G
	OS	Android 7.1.2
	Network support	Ethernet, WIFI, BT-4.1
	Bluetooth	Yes

Product Specifications (cont)

IC Card		Not support
Microphone		Not support
AI Algorithm	Max storage pictures	Max. 50,000 images
	Recognition speed	≤500ms
	Live detection	Support
	Mask detection	Support
	Abnormal temperature alarm	Support
Interfaces	Power	DC12V*2(one for device, one for led lamp at base)
	Network	10/100BaseT RJ45*1
	Wiegand	Output*1(RS232), input*1
	Relay	1
	USB host	1
	USB OTG	1
	Speaker	8Ω2W
Working environment	working temperature	0°C ~50°C
	Working humidity	0%-90% RH
	Power Consumption	10W
Package detail	Head only	39*19.5*13CM
		2kg
	Desktop base	44*42*21CM
		5.5kg
	Floor stand pole	115*16*13CM
		6kg
	Floor stand base	38*31*5CM
		8kg
Certification		CE, FCC, RoHS, ISO9001
Language	Voice/Screen/Software	Default English.Support: Chinese, English, Cantonese, Australian, French, Italian, Japanese, Korean, Spanish, Turkish, etc.