

HIGH PERFORMANCE AI POWERED THERMAL SCREENING SOLUTION

OVERVIEW

ScreenX™ VFT-1451 is a very powerful yet compact thermal screening solution with a thermal and RGB camera designed for screening people's temperature & centralized monitoring. It is equipped with AI powered facial tracking for accurate localization and tracking of people's temperature for quick and efficient isolation of feverish individuals without manual exposure of any personnel.



KEY FEATURES



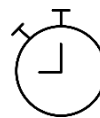
Contactless Solution



High Accuracy



Artificial Intelligence



Quick Detection

SPECIFICATIONS

Thermal	
Image Sensor	VOx Uncooled Focal Plane Arrays
Resolution	256×192
Pixel Interval	12µm
NETD	Less than 60 mK (@25°C,F#=1.1)
Aperture	F1.0
Field of View	35° × 27° (H × V)
Optical	
Image Sensor	1/2.8" 2.0M Pixel CMOS
Resolution	1920×1080P
Min. Illumination	Color: 0.005Lux @ (F1.2, AGC ON), B/W: 0.001 Lux @ (F1.2, AGC ON)
Field of View	84° × 45° (H × V)
Focal Length	4mm
Shutter Speed	1s to 1/100,000s
White Balance	Auto/Manual/ATW (Auto-tracking White Balance)/Indoor/Outdoor/Daylight Lamp/Sodium Lamp
Day & Night	ModeIR cut filter with auto switch
WDR	80 dB
Feature	
Bi-spectrum Image Fusion	Fusion view of thermal view and overlaid details of the optical channel
Picture in Picture	Combines details of thermal and optical image PIP, overlay thermal image on optical image

Smart Function	
Face snapping	Built-in deep learning AI algorithm, Supports simultaneous detection of 20-30 faces
Temperature Measurement	Support global and local temperature
Temperature Range	From -15°C to +150°C
Temperature Accuracy	Target temperature 35°C 38°C±0.3 °C Target temperature 20°C ^ 33°C ±0.6 °C Target temperature 38°C ^ 50°C ±0.6 °C
Network	
Main Stream	Thermal: 25fps (1920 × 1080, 1280 × 720)
Sub Stream	Thermal: 25fps (704 × 576, 352 × 288)
Video Compression	H.264 (Baseline/Main/High Profile) /MJPEG/H.265
Audio Compression	G .711u/G.711a/G.722.1/MP2L2/G.726/PCM
Protocols	TCP/IP, ONVIF, GB/T 28181, DHCP, RTP, RTSP, PPPoE, UPnP, UDP
API	ONVIF (Profile S, Profile G, Profile T), SDK
General	
Web Client Language	English
Power	DC 12V, 0.65A
Work Temperature/Humidity	From -20°C to 55°C; Humidity: 95% or Less
Protection Level	IP67
Dimension	246 mm × 101 mm × 81 mm (with bracket)
Weight	Approx. 1.0 kg

*Note: We pursue a policy of continuous research and product development. Specifications and features are subject to change without notice.