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Product Name :

Rapid Deployment Elevated Temperature Screening Station

Product Code :

SLE/HE/19



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Description :

Rapid Deployment Elevated Temperature Screening Station (Product Code: SLE/HE/19) is a freestanding thermal camera system used to screen people for elevated skin-surface temperature at the entrances of hospitals, schools, offices and public buildings. It offers hands-free screening of up to 30 people at a time, a 30 °C to 45 °C range with ±0.5 °C accuracy, and visual and audio alarms. It is manufactured by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, among its test and measurement instruments in India.

Specifications

Parameter	Detail
System	Freestanding thermal elevated-temperature camera system with fully configured viewing screen and client, automatic start-up; pre-configured plug and play; stand-alone, just add power
Screening	Hands-free; up to 30 people at a time; real-time elevated skin-surface temperature detection; artificial intelligence to reduce false alarms; visual and audio alarms
Temperature range / accuracy	30 °C to 45 °C / ±0.5 °C
Temperature measurement rules	3 rule types, 21 rules in total (10 points, 10 areas, 1 line)
Thermal sensor	Vanadium oxide uncooled focal plane array; 160 × 120 max. resolution (output image 320 × 240); pixel interval 17 µm; response waveband 8 µm to 14 µm
Thermal optics	NETD ? 40 mK (@25 °C, F# = 1.1); lens 6.2 mm; aperture F1.1; IFOV 2.74 mrad; field of view 25° × 18.7° (H × V); min. focusing distance 0.6 m
Optical module	1/2.7" progressive scan CMOS; max. image resolution 2688 × 1520; lens 8 mm; field of view 39.42° × 22.14° (H × V); min. illumination colour 0.0089 lux, B/W 0.0018 lux @ (F1.6, AGC ON); shutter 1 s to 1/100,000 s; WDR 120 dB; day and night IR cut filter with auto switch
Infrared	IR distance up to 40 m; IR intensity and angle automatically adjusted
Image functions	Bi-spectrum image fusion (thermal view with optical detail overlaid); picture-in-picture
Main stream	Visible 50 Hz: 25 fps at 2688 × 1520, 1920 × 1080, 1280 × 720; visible 60 Hz: 30 fps at the same resolutions; thermal 1280 × 720, 704 × 576, 640 × 480, 352 × 288, 320 × 240
Sub-stream	Visible 50 Hz: 25 fps at 704 × 576, 352 × 288, 176 × 144; visible 60 Hz: 30 fps at 704 × 480, 352 × 240, 176 × 120; thermal 704 × 576, 352 × 288, 320 × 240
Compression	Video H.265/H.264/MJPEG; audio G.711u/G.711a/G.722.1/MP2L2/G.726/PCM
Netw prot	S, oE
Use	or