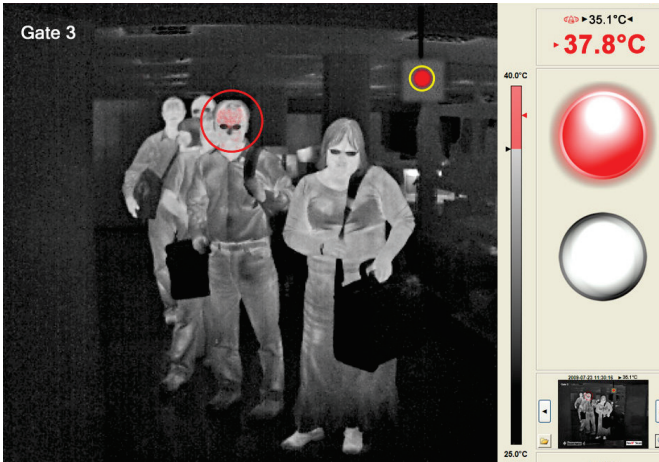# PIXELab
Thermal Solutions

TMS 110K Temperature Management System
110K Thermal Imaging Camera

PixeLab Temperature Management System is a high-speed sensitive temperature measurement system for high volume pedestrian transit area like Airports, Train Station, Shopping Malls, Schools & Government Offices. PixeLab TMS 110K is using the FevIR Scan Fever Screening Technology that has been in operation throughout the SARS, Bird Flu, Swine Flu and H5N1, Coronavirus outbreaks. It is operational in numerous countries including UK, Thailand, Mauritius, Angola and in Mexico.

FEATURES

- Thermal imaging camera working in conjunction with a blackbody calibration unit for high accuracy temperature measurement

- Temperature Measurement System for mass screening of high pedestrian areas such as airports, train stations, factories and other public places.

- The PixeLab TMS is easily installed, operated and relocated with the very minimum of setup time and operator training.

- On-screen alerts identify one or more individuals in a large crowd situation, aiding rapid detection and maintaining passenger flow.

- The system is password protected to prevent unauthorised changes.

SPECIFICATIONS

Model	TMS 110K
Detector Material	Amorphous Silicon (A Si)
Array Size	324 x 288
TEC-Less Operation	YES
Spectral Response	8um- 12um
Pixel Pitch	25um
Response Time	< 10 mS
Sensitivity (Excluding Optics)	0.05 Deg C
Frame Rate	50/60Hz (9 Hz Option is Available)
Video Output	USB 2
Power Consumption	2.5 Watts
Time to Image	< 2s
Std Operating Temperature	- 20 to + 50 deg C
PC Interface	USB 2 50Hz