TS-100™ Thermal Sensor

Accessory Module to EF-45 for the Measurement of Human Body Temperature

TS-100 Thermal Sensor

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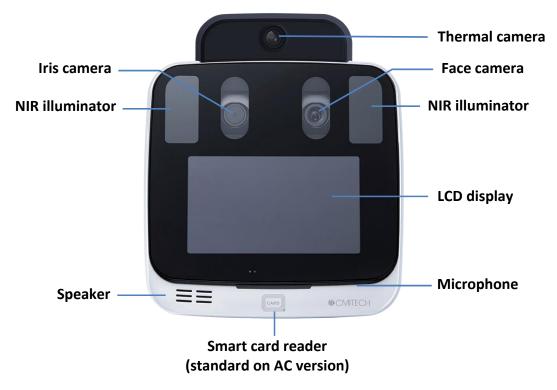sales@fulcrumbiometrics.co.za
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Introduction to the TS-100 thermal sensor

The TS-100 thermal sensor for the EF-45 (see note 1 below) iris recognition system provides the highest accuracy of infrared imaging technology for human body temperature measurement. The TS-100 utilizes the industry-leading *FLIR™ Lepton™* enhanced IR micro-sensor that is fully contactless and operates at the same stand-off distance as the EF-45 system itself. The sensor measures the human body temperature of each subject's forehead, and so it operates effectively on people wearing masks. It also operates simultaneously with the iris image capture and authentication process, thereby retaining the speed and ease-of-use of the EF-45 system.

The TS-100 is an add-on module that is mechanically and digitally integrated with the EF-45N. Application Programming Interfaces (API) within the system's software development kit (SDK) provide full control over the sensor's operations, including threshold, and alarm settings.

Integration features include granting permission for access entrance only to those who do not exceed the elevated temperature threshold. The system will also send an alarm notification to administrators.

System, Front

Iris camera — NIR illuminator — Speaker

Thermal camera — Face camera — NIR illuminator — LCD display — Microphone

Smart card reader
(standard on AC version)