AITHEON THERMAL SCANNER

Aitheon's Thermal scanner combines the best technologies of **Thermal Imaging, Machine Vision, and learning.**

Our thermal scanners are equipped with a Thermal Camera (160 x 120 or 320 x 256 or 640 x 512) and Color Camera (1440 x 1080, 1.6 MP), integrated **Machine Learning AI** and a calibrated BlackBody thermal reference.

Our approach allows us to not only accurately scan temperature but also detect the person, create a baseline temperature history of that person, and then by integrating existing security camera video feeds we can create tracing history of who this person has come in contact with.

SPECIFICATION

// Color Camera

Frame Rate	60
Resolution	1440 x 1080
Sensor Type	CMOS

AITHEON

// Thermal Camera

Specifications (60 x 120 Model)

Frame Rate	8.7 Hz
Resolution	160 x 120

Specifications (320 x 256 Model)

Frame Rate	30 Hz
Resolution	320 x 256

Specifications (640 x 512 Model)

Frame Rate	30 Hz
Resolution	640 x 512

// AI Core

AI edge computing core running Aitheon Operating System (AOS) brings machine learning directly into the camera

GPU	GPU with 128 NVIDIA CUDA cores
TPU (Optional)	Google Edge Tensor Processing Unit
CPU	Quad-core ARM Cortex-A57 MPCore processor
Memory	4 GB 64-bit LPDDR4, 1600MHz 25.6 GB/s
Storage	16 GB eMMC 5.1

AITHEON