ATHENA

On A Mission To Save Lives

COVID-19 Pandemic

Virus is the new enemy: Health screens will be more accessible for the safety of all.

How to keep your facility open?

The New Normal To Protect Your Employees, Customers, And Community: Monitor For Symptoms

Screen For Fever Symptom To Prevent The Spread

Multiple Problems With Current Methods

Requires violating social distancing at high risk to operator

Too slow to be practical

Risk of cross-contamination

Handheld device only take 1 point of temperature

Labor intensive

Introducing Athena's Temperature Detection System for Fevers

Improved Rapid Screening

Fast and Frictionless
Built for pedestrian traffic, non-contact

Highly Accurate
HSRP continuously calibrates

Don't Need An Operator
System finds the face, forehead, and eyes and sends alert, or display on screen

Automated And Easy
Turn-key solution, Enterprise Management

Not Just Hardware

An Enterprise Software Platform

Alerts

Central management

Enterprise user management

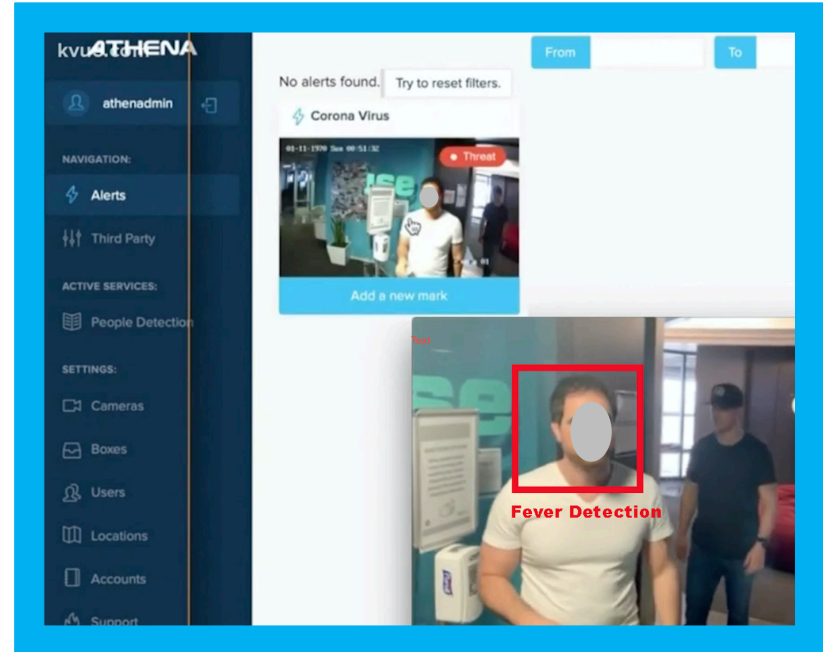Integration to Video Management System

Data Management, Reporting

Self-monitoring platform

Solutions For Every Environment

KVUE TV In Austin, on March 22nd

Austin-based Company Promoting Turn-Key Fever Detection System [link to news]
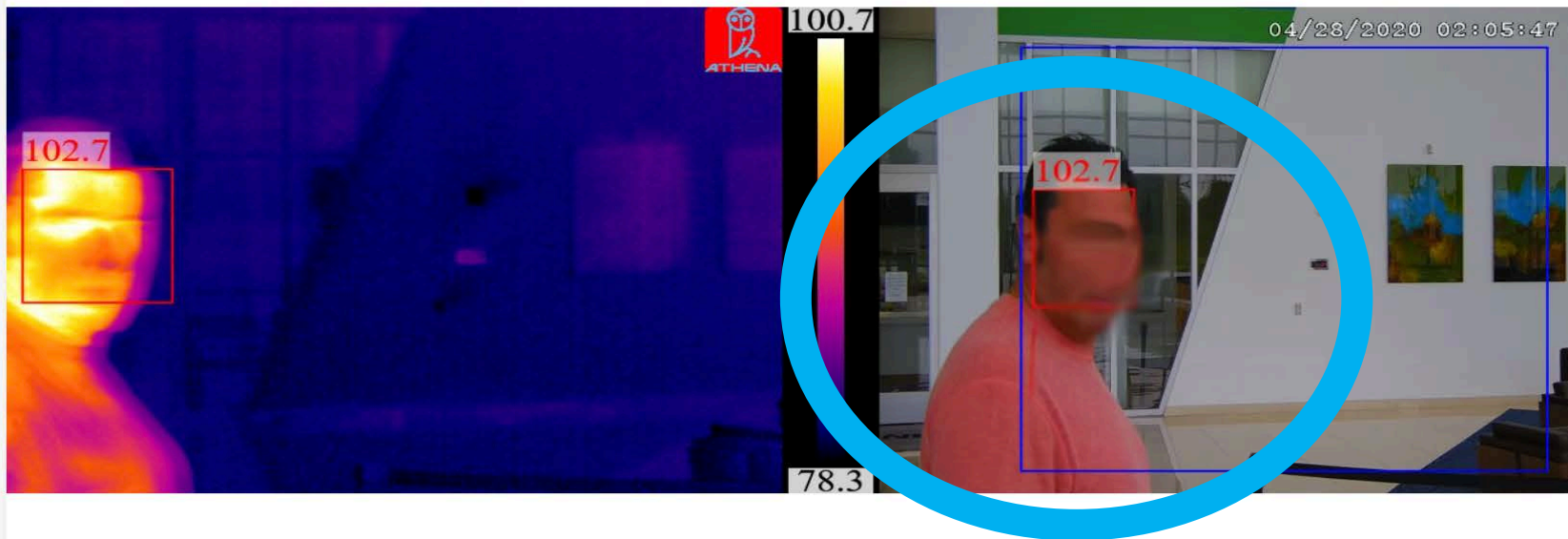
How it Works

Top Features

Enterprise Platform
Easy to deploy, scale devices, maintain, manage users, manage alerts, reporting, and integration options.

Thermal and Visual Camera Options
Highly accurate infrared thermal cameras with HSRP device for consistent results.

Fast, Frictionless, Automated Screening
System is "always on", and automatically reboots. Staff less exposed to infection than handheld thermometer method.

Temperature Alarm and Enterprise Notification System
Temperatures above the notification threshold trigger an alert to the web and mobile applications.

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Temperature Detection System Features

Athena Fever Detection System

Easy to setup and operate

50 mk sensitivity, .3° C accuracy

Integrated visual camera

Turnkey system

Alerts to web browser & mobile app

HSRP continuously calibrates to ensure accuracy

Athena Temperature Detection Screening Interface

Simple user interface

Operator-free automated screen

Audible alarm notifications

Alarm notification via secure web app

Alarm notification via mobile app

Ambient temperature compensation

Distance compensation

Verifies subject

Automatic alerts log

Historical archive, with retention or delete capability

Integrates with Security Management Systems

Integrates with Video Management Systems

Infrared Thermal Camera Specifications, and Operating Parameters

Athena Fever Detection Camera
Model ATH-AMDGF-14

Specification
Style: bullet camera
+ or -0.3C accuracy, infrared thermal
Alarm in under 1 second
High precision temperature sensor
Under 0.2 F temperature drift
Frame rate 30/50 Hz
384 x 288 resolution
Working band 8 – 14 um
Measuring range 0– 50 Hz
Outpot H.264 RTSP stream
Power Supply is DC9 – 15V
Networking: 100/1000 Base Ethernet, FOV 25 degrees

Operating Paremeters
Operating temp 0 F to 130 F
Storage -32 F to 170 C
Humidity: non condensing 10-95%
Shell protection IP54
Impact resistance 25G
Vibration resistance 2G
Installation 4 M3 thread mount holes, ¼ UNC-20
Designed for use inside, enclosed areas

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Product Characteristics

Typically, with this type of sensor, the larger the operating temperature range, the less accurate the system is. This model's accuracy is maintained between operating temperatures of 0°F and 130°F, and should cover typical indoor use.

The camera will self-adjust automatically based on ambient temperature. When setting up or moving the camera from one environment to another, allow ten minutes for the internal components of the camera to reach the new environment's temperature.

This model's accuracy of $0.3^O\,C$ is much higher than industrial purposed infrared cameras that typically are no better than a + or – of 2.0^OC

Configurable alarm temperature threshold, recommended no higher then 38°C, which is 100.4^{O}F. System preset to 99.4

Appropriate Scenarios

Create a choke point and have instructions for persons coming through this pre-screening zone to remove headwear and eyewear. Hats and glasses can cause inaccurate measurements. Up to 1500 people can be scanned by each unit per hour.

Hospital
Surgery Center
Pharmacy
Grocery
Critical Infrastructure
Bank
Metro
Private Company
Airport
Transit Centers
Borders
Schools
Critical Government Buildings
Bars
Venues
Restaurants

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The World Has Changed

We need to act now to protect the most vulnerable.

Early detection and quarantining people will save lives.

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We have a duty to use cutting edge technology to save lives.

Start Screening Now

COVID-19 Pandemic Guidance

Guidance on preparing your workplace

Guidance on COVID-19 Symptoms