

## INTEGRATED ELEVATED TEMPERATURE DETECTION CAMERA

This network camera integrates full high-definition visible imaging, passive infrared thermal imaging detection, and high-definition video coding services all in a single device.

### KEY FEATURES

- ✓ High/Elevated Temperature Detection
- ✓ Programmable Alerts
- ✓ ONVIF Compatible
- ✓ Dual Visible & Thermal Imaging
- ✓ Integratable with all existing Homeland Safety Systems, Inc. Camera Systems



### FEATURES

#### Thermal & Infrared Imaging

Dual lenses simultaneously capture high definition video of the subject being scanned and thermal images of the subject with temperature readings displayed in the frame. This will provide reference data and identifying video of subjects selected for secondary screening.

#### High-Definition Imaging & Coding

Full real-time 1080p high-resolution visible images and 960p resolution thermal images are provided. The camera supports H.265/H.264/MJPEG compression. The built-in gamma compensation, color enhancement, and digital detail enhancement (DDE) engine provide quality high-definition video images and fine image details.

#### Modes

Includes full-screen, point, line, rectangular area, or irregular area temperature measurements. Full-screen temperature measurement supported in 64 areas. Point, line, rectangular area, and irregular area are all supported in 16 areas.

#### Abnormal Temperature Alerts

The camera detects abnormal temperatures and will set off an alert that the subject being scanned has either an elevated temperature or a temperature that is abnormally low.

## SPECIFICATIONS

# HSS-ETD-SV2201

### Visible Light Camera

Focal Length	8mm
Image Sensor	Sony High Performance CMOS
Image Resolution	Full HD/1080p
Maximum Frame Rate	30 fps
Minimum Illumination	Color: 0.002 Lux @ (F1.5, AGC ON), ICR ON) B/W: 0.01 Lux @ (F1.5, AGC ON), ICR OFF)
WDR	Supported
Day & Night Mode	Auto/Color/Black & White
3D Noise	Digital Noise Reduction
3A Auto Control	Automatic White Balance, Automatic Gain, Automatic Exposure AWB/AGC/AE
BLC	Supported
HLC	Supported

### Thermal Imaging Camera

Detector Type	Uncooled Vanadium Oxide Focal Plane
Image Size	336 x 256
Pixel Pitch	17µm
Thermal Sensitivity	<50mK @ f/1.0
Thermal Lens	13mm
Palette	White Heat, Black Heat, Iron Read, and Other Thermal Imaging Pseudo-Color Options
Detection Distance	Person: 1-12 feet

### Video Image

Video Compression Standard	H.265 / H.264 / MJPEG
Audio Compression Standard	G.711 (ALAW) / MP2 / G.711 (MULAN)
Maximum Image Resolution	Visible Light: 1080p (1920x1080) Thermal Imaging: 1.3MP (1280x960)
Image Effects	Rotation & Mirroring, Custom Image Mode
OSD	Multi-Zone Intelligent OSD, Multi-Line National Standard Characters, Customizable Positions, Fonts, & Sizes

### Intelligence

Measurement Points	Supports Full-Screen Temperature Measurements; 16 Points / 16 Lines / 16 Areas
Accuracy	±0.54° Fahrenheit
Heat Source Detection	Supported
Abnormal Temperature Alarms	Temperature Increment Alarm & Differential Temperature Alarm
Detection Types	Intelligent Motion Detection, Region Invasion Detection, Cross-Border Detection, Entry Area Detection, Leave Area Detection, External Sensor Linkage
Dynamic ROI	Dynamic Region of Interest (ROI) Settings to Support Fixed Region Settings or Region Tracking
Alarms	Network Disconnection Detection, IP Conflict Detection, Storage Card Status Detection, Storage Space Detection
Other	Anti-Flicker, Three-Bit Stream, Image Rotation, Privacy Coverage, Watermarking, Access Port Settings, Factory Reset

### Network

Protocol	IPv4, TCP/IP, UDP, HTTP, DHCP, RTP/RTCP, RTSP, FTP, UPnP, DDNS, NTP, IGMP, ICMP
Compatibility Protocol	ONVIF Profile S
API Integration	microSDHC/SDXC

### Interface

Communication Interface	1 Channel RJ45 10M / 100M Adaptive Ethernet Port
Power Interface	DC12V 2.1 Direct Interpolation

### General

Working Temperature	-22.0°F - 140.0°F
Environmental Humidity	<90% RH (No Condensation)
Power Supply	12VDC
Dimensions	L 5.91 x W 3.35 x H 3.86 (Excluding Shades & Brackets) L 6.81 x W 3.82 x H4.06 (Including Shades, Without Bracket)
Weight	Approx. 4.5 lbs