

Thermal Screening Manager



Features

- Bundled Software:
 - VideoSense Edge
 - Infection Prevention CMS
- Supported Devices
 - People Counting Camera (UCAM-130)
 - Thermographic Camera (UCAM-220TT/TB)
 - Video AI Facial Recognition Edge (USM-260VFR)
- Abnormal Event Detection and Management
 - High body temperature
 - Mask detection
 - Blacklist and Stranger by Facial Recognition

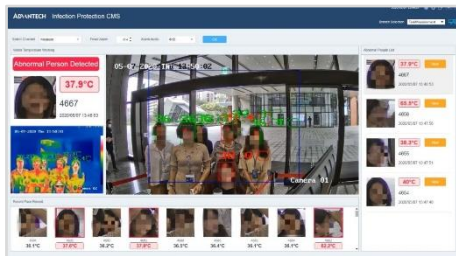
Introduction

Thermal Screening Manager is an intelligent edge system designed for infection prevention management, especially for human body temperature detection. It built-in VideoSense Edge software that can connect multiple video analysis devices and functions to provide video and data service for customized application solution integration. Furthermore, Thermal Screening Manager also bundled Infection Prevention CMS that included comprehensive functions and user-friendly GUI to install and enable the thermal screening process easily and quickly.

Key Functions

Thermal Screening and Management

- Capture & display visitor face with body temperature
- Alert Notification & record visitor with fever symptom
- Status update of visitor screened after rechecking by thermometer



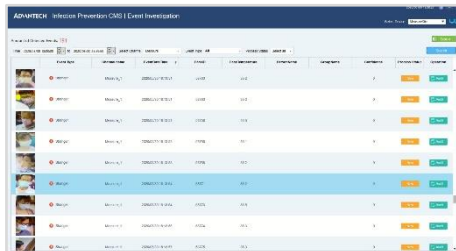
Real-time Dashboard

- Visitor & abnormal event counting
- Daily/Weekly trend analysis of visitors and events.
- Visitor identity summary by facial recognition



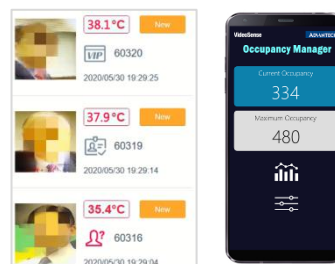
Abnormal Event Investigation

- Event search and playback with video recording
- Email notification and report export
- Auditing photo snapshot and video clip storage



Facial Recognition & Counting Integration

- Connect Video AI Facial Recognition Edge for Visitor identification
- Connect UCAM-130 People Counting Camera for Occupancy Monitoring



Software Specifications

VideoSense Edge	Camera Input	UCAM-220TT/TB (IP Connection), UCAM-120/130 (Counting), IP Camera (OnVIF)
	NVR Support	Advantech WISE-PaaS/VideoService, Hikvision NVR for video record/playback
	Digital Signage Support	Advantech WISE-PaaS/SigangeCMS for interactive message
	Analysis Functions	<ul style="list-style-type: none"> Human body temperature/Mask detection (from UCAM-220TT/TB) Occupancy status (Face Counting from UCAM-220, People Counting from UCAM-130) Visitor identification (from Video AI Facial Recognition Edge)
	Schedule Management	Configurable starting/stopping time of analytic functions for different weekdays
	Language	English, Traditional Chinese, Simplified Chinese
Thermal Screening Monitor	Real-time Video Monitoring	Optical image, Thermal image
	Abnormal Event Selection	High Body Temperature
	Visitor Face Display	Recent 80 faces captured
	Abnormal People Information	Body Temperature, Face ID, Event Time
Infection Prevention CMS Dashboard	Daily Summary	Visitor counting, abnormal events
	Visitor/Event Trend Chart	Comparison of visitor counting and abnormal events
	Visitor Identity Chart	Classification of VIP/Employee/Blacklist/Stranger
Infection Prevention CMS Thermal Screening	Real-time Video Monitoring	Optical image, Thermal image
	Abnormal Event Types	High Body Temperature, No Mask, Blacklist, Stranger
	Visitor Face Display	Recent 80 faces captured
	Abnormal People Information	Body Temperature, Face ID, Identity, Event Time
	Abnormal People rechecking	New/Fever/Pass
Infection Prevention CMS Event Investigation	Event Information Table	Standard: Face Snapshot, Event Type, Channel Name, Event Time, Temperature, Process Status Facial Recognition Enable: Person Name, Group Name, Confidence
	Auditing Process	Event detailed information, Video playback
	Event Searching Period	Maximum: 24 hours
	Data Export	Event Searching Information Table: CSV Auditing Snapshot: JPG Auditing Video Clip: MP4

Thermal Screening Manager Specifications



Monitor



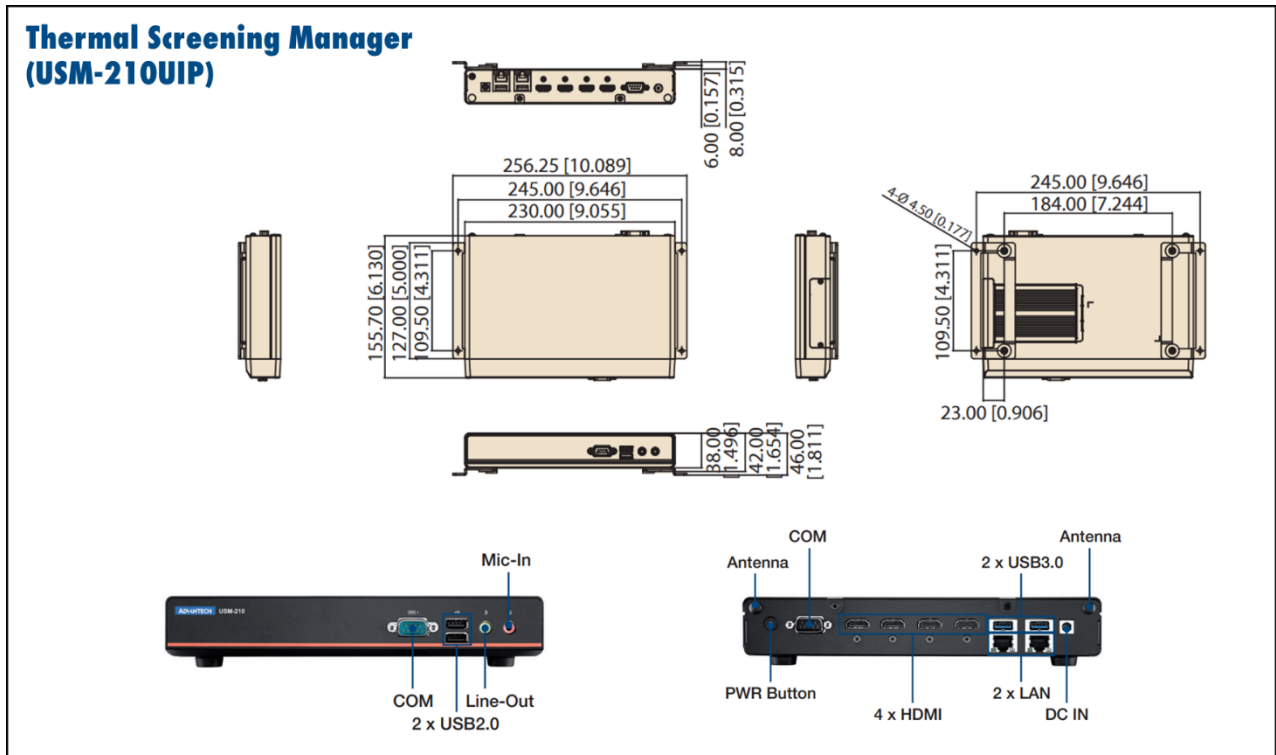
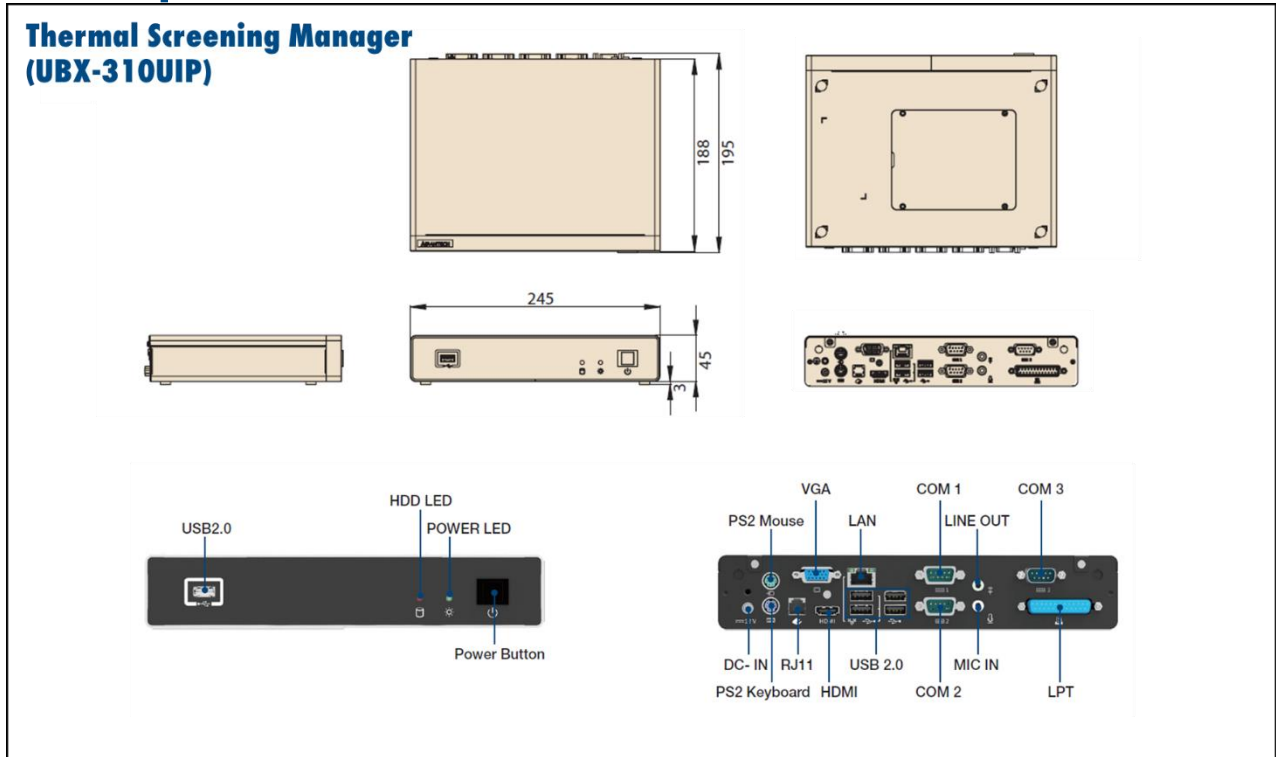
CMS (2 Display)



CMS (4 Display)

Part Number	UBX-310UIP-L1E-C	UBX-310UIP-S1E-C	USM-210UIP-P1E-C	
Software	Bundled Software	<ul style="list-style-type: none"> VideoSense Edge Thermal Screening Monitor 	<ul style="list-style-type: none"> VideoSense Edge Infection Prevention CMS UCAM-220TT/TB UCAM-130 Video AI Facial Recognition Edge 	<ul style="list-style-type: none"> VideoSense Edge Infection Prevention CMS UCAM-220TT/TB UCAM-130 Video AI Facial Recognition Edge
	Video Analytics Edge Supported	<ul style="list-style-type: none"> UCAM-220TT/TB 		
	Operating System	Microsoft® Windows 10 IoT Enterprise 2019 LTSC		
	Maximum Analyzing Channels	4 Channels		
Hardware	CPU	Intel Celeron J1900, 2.4 GHz	Intel Celeron J1900, 2.4 GHz	Intel Celeron J3455, 2.3 GHz
	RAM	4 GB DDR3L, 1333 MHz	8 GB DDR3L, 1333 MHz	8 GB DDR3L, 1333 MHz
	Graphics	Intel® HD Graphics, HDMI/VGA	Intel® HD Graphics, HDMI/VGA	Intel® HD Graphics, 4 x HDMI
	Storage	1 x SATA 2.5" HDD (500 GB)	1 x SATA 2.5" HDD (1 TB)	1 x SATA 2.5" HDD (1 TB)
	Internet	1 x RJ45 (10/100/1000 Mbps)	1 x RJ45 (10/100/1000 Mbps)	2 x RJ45 (10/100/1000 Mbps)
	I/O	5 x USB 2.0, 3 x COM, 1 x LPT	5 x USB 2.0, 3 x COM, 1 x LPT	2 x USB 2.0, 2 x USB 3.0, 2 x COM
	Power	60W (12V power adapter)	60W (12V power adapter)	65W (19V power adapter)
	Size	245 x 185 x 45 mm (W x L x H)	245 x 185 x 45 mm (W x L x H)	230 x 155 x 38 mm (W x L x H)
	Weight	2.0 kg	2.0 kg	1.6 kg
Environment	Operating Temperature	0 ~ 40° C (32 ~ 104° F)		
	Storage Temperature	-40 ~ 85 °C (-40 ~ 185 °F)		
	Humidity	90% @ 40° C (non-condensing)		

Dimension Specification



Ordering Information

P/N	Description
UBX-310UIP-L1E-C	Thermal Screening Manager – Monitor
UBX-310UIP-S1E-C	Thermal Screening Manager – CMS for 2 Display
USM-210UIP-P1E-C	Thermal Screening Manager – CMS for 4 Display