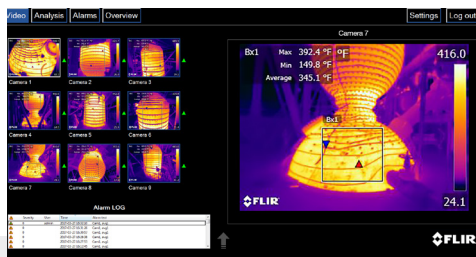
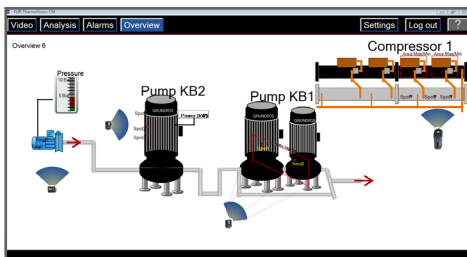


## DESKTOP OR PANEL COMPUTER SOLUTION

# ThermoVision CM™

ThermoVision CM is an industrial computer for FLIR thermal imaging cameras with built-in condition monitoring software, ideal for facilities that demand 24/7 uptime. Your company will benefit from continuous condition monitoring and hot spot detection without the need for periodic manual scans. Open platform and compatible with the FLIR AX8 and A310 cameras, ThermoVision CM integrates with a large number of security, automation, and other application systems, with options to set up as many as four or nine cameras.

[www.flir.com/products/ThermoVision-CM](http://www.flir.com/products/ThermoVision-CM)



### TWO-IN-ONE TEMPERATURE & VIDEO MONITORING

Combines video management, industrial control systems to record visual and temperature data

- Full development environment for VMS and HMI/SCADA included to adapt the appearance and functionality of your application
- Multi-screen solution for convenience monitoring live image streams and results
- Simple set-up and capability of a video wall, trending analysis, recording, and playback functionality

### 24/7 PRODUCTION WITHOUT DISRUPTION

Continuous condition monitoring and hot spot detection without the need for periodic scans to maximize uptime and minimize downtime

- Makes it easy to monitor a machine or part of a process to improve production efficiency and increase operational reliability
- One user interface streamlines work and makes monitoring easy
- Quickly define events and find recorded video for a specific event by customizing alarms

### FUTURE-SAFE INVESTMENT

Flexible software that integrates with other systems

- Open platform with support for ONVIF and several different protocols from leading camera manufacturers in the platform
- Features an OPC client and supports Modbus/TCP for communicating with a large number of I/O, PLC, and other systems
- Includes easy-to-use, advanced features that significantly shorten time spent on development and commissioning of the systems

## SPECIFICATIONS

Specifications by P/N	T130169 Desktop Computer	T130170 Desktop Computer	T199713 Panel Computer	T199712 Panel Computer
Maximum cameras supported	4	9	4	9
Maximum number of tags	256	512	1024	1024
CPU	Intel Quad-Core J1900	Intel Quad-Core J1900	Intel i5	Intel i5
USB	2 × USB 3.0	2 × USB 3.0	4 × USB 3.0	4 × USB 3.0
Video disk storage	2 TB	2 TB	1 TB	1 TB
Touchscreen Display	NA	NA	15.6" touchscreen panel with 1920 × 1080 HD resolution	15.6" touchscreen panel with 1920 × 1080 HD resolution
Display output	1 x HDMI, 1 x VGA	1 x HDMI, 1 x VGA	3 x HDMI	3 x HDMI
Audio	1 × line out	1 × line out	1 × line out, 1 x line in	1 × line out, 1 x line in
Serial ports	NA	NA	1 x RS422/485, 3 x RS232	1 x RS422/485, 3 x RS232
Power requirements	12 – 24 V DC, 40 W	2 – 24 V DC, 40 W	24 V DC, 85 W	24 V DC, 85 W
Power unit	External PSU, 100 – 240 V AC, 50 – 60 Hz, 40 W	External PSU, 100 – 240 V AC, 50 – 60 Hz, 40 W	External PSU, 100 – 240 V AC, 47 – 63 Hz, 100 W	External PSU, 100 – 240 V AC, 47 – 63 Hz, 100 W
Operation temperature	5°C – 40°C (41°F – 104°F)	5°C – 40°C (41°F – 104°F)	0°C – 50°C (32°F – 122°F)	0°C – 50°C (32°F – 122°F)
Dimensions	216 × 260 × 52 mm (8.50 × 10.24 × 2.05 in)	216 × 260 × 52 mm (8.50 × 10.24 × 2.05 in)	429 × 278 × 119 mm (16.89 × 10.94 × 4.69 in)	429 × 278 × 119 mm (16.89 × 10.94 × 4.69 in)
Weight	2.70 kg (5.95 lb)	2.70 kg (5.95 lb)	5.70 kg (12.56 lb)	5.70 kg (12.56 lb)

## Key Features

- Compatible with FLIR AX8 and FLIR A310
- Combines VMS and SCADA capabilities
- Supports up to four or nine cameras
- Open platform with support for ONVIF
- Integrates with other systems including IP cameras
- Powerful functions for alarms and events

## Common Specifications

Operating system	Windows 7, embedded
Video management system (VMS)	Ethisis VMS 8.0
SCADA/PSIM	WideQuick 7.2
LAN	2 x GbE RJ45
Operational humidity	10 – 90%

## Packaging Information

Contents	Desktop computer, quick start guide, power supply, Schuko power cable, network cable	Panel computer, quick start guide, power supply, Schuko power cables (SE, US & UK), network cable, USB (documentation & drivers), mounting details
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**CORPORATE HEADQUARTERS**  
FLIR Systems, Inc.  
27700 SW Parkway Ave.  
Wilsonville, OR 97070  
PH: +1 877.773.3547

**LATIN AMERICA**  
FLIR Systems Brasil  
Av. Antonio Bardella, 320  
Sorocaba, SP 18085-852  
Brasil  
PH: +55 15 3238 7080

**CHINA**  
FLIR Systems Co., Ltd  
Rm 1613-16, Tower II  
Grand Central Plaza  
138 Shatin Rural Committee Rd.  
Shatin, New Territories  
Hong Kong  
PH: +852 2792 8955

**EUROPE**  
FLIR Systems, Inc.  
Luxemburgstraat 2  
2321 Meer  
Belgium  
PH: +32 (0) 3665 5100

Specifications are subject to change without notice. For the most up-to-date specs, go to [www.flir.com](http://www.flir.com)

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