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

DESKTOP OR PANEL COMPUTER SOLUTION

ThermoVision CM™

TWO-IN-ONE TEMPERATURE & VIDEO MONITORING
Combines video management, industrial control systems to record visual and temperature data

• 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

24/7 PRODUCTION WITHOUT DISRUPTION
Continuous condition monitoring and hot spot detection without the need for periodic scans to maximize uptime and minimize downtime

• 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

FUTURE-SAFE INVESTMENT
Flexible software that integrates with other systems
## SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specifications by P/N</th>
<th>T130169 Desktop Computer</th>
<th>T130170 Desktop Computer</th>
<th>T199713 Panel Computer</th>
<th>T199712 Panel Computer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum cameras supported</td>
<td>4</td>
<td>9</td>
<td>4</td>
<td>9</td>
</tr>
<tr>
<td>Maximum number of tags</td>
<td>256</td>
<td>512</td>
<td>1024</td>
<td>1024</td>
</tr>
<tr>
<td>CPU</td>
<td>Intel Quad-Core J1900</td>
<td>Intel Quad-Core J1900</td>
<td>Intel i5</td>
<td>Intel i5</td>
</tr>
<tr>
<td>USB</td>
<td>2 x USB 3.0</td>
<td>2 x USB 3.0</td>
<td>4 x USB 3.0</td>
<td>4 x USB 3.0</td>
</tr>
<tr>
<td>Video disk storage</td>
<td>2 TB</td>
<td>2 TB</td>
<td>1 TB</td>
<td>1 TB</td>
</tr>
<tr>
<td>Touchscreen Display</td>
<td>NA</td>
<td>NA</td>
<td>15.6&quot; touchscreen panel with 1920 × 1080 HD resolution</td>
<td>15.6&quot; touchscreen panel with 1920 × 1080 HD resolution</td>
</tr>
<tr>
<td>Display output</td>
<td>1 x HDMI, 1 x VGA</td>
<td>1 x HDMI, 1 x VGA</td>
<td>3 x HDMI</td>
<td>3 x HDMI</td>
</tr>
<tr>
<td>Audio</td>
<td>1 x line out</td>
<td>1 x line out</td>
<td>1 x line out, 1 x line in</td>
<td>1 x line out, 1 x line in</td>
</tr>
<tr>
<td>Serial ports</td>
<td>NA</td>
<td>NA</td>
<td>1 x RS422/485, 3 x RS232</td>
<td>1 x RS422/485, 3 x RS232</td>
</tr>
<tr>
<td>Power requirements</td>
<td>12 – 24 V DC, 40 W</td>
<td>2 – 24 V DC, 40 W</td>
<td>24 V DC, 85 W</td>
<td>24 V DC, 85 W</td>
</tr>
<tr>
<td>Power unit</td>
<td>External PSU, 100 – 240 V AC, 50 – 60 Hz, 40 W</td>
<td>External PSU, 100 – 240 V AC, 50 – 60 Hz, 40 W</td>
<td>External PSU, 100 – 240 V AC, 47 – 63 Hz, 100 W</td>
<td>External PSU, 100 – 240 V AC, 47 – 63 Hz, 100 W</td>
</tr>
<tr>
<td>Operation temperature</td>
<td>5°C – 40°C (41°F – 104°F)</td>
<td>5°C – 40°C (41°F – 104°F)</td>
<td>8°C – 50°C (32°F – 122°F)</td>
<td>8°C – 50°C (32°F – 122°F)</td>
</tr>
<tr>
<td>Dimensions</td>
<td>216 × 260 × 52 mm (8.50 × 10.24 × 2.05 in)</td>
<td>216 × 260 × 52 mm (8.50 × 10.24 × 2.05 in)</td>
<td>429 × 278 × 119 mm (16.89 × 10.94 × 4.69 in)</td>
<td>429 × 278 × 119 mm (16.89 × 10.94 × 4.69 in)</td>
</tr>
<tr>
<td>Weight</td>
<td>2.70 kg (5.95 lb)</td>
<td>2.70 kg (5.95 lb)</td>
<td>5.70 kg (12.56 lb)</td>
<td>5.70 kg (12.56 lb)</td>
</tr>
</tbody>
</table>

### 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): Ethiris VMS 8.0
- SCADA/PSIM: WideQuick 7.2
- LAN: 2 x GbE RJ45
- Operational humidity: 10 – 90%

### Packaging Information
- Desktop computer unit, quick start guide, power supply, Schuko power cable, network cable
- Panel computer unit, quick start guide, power supply, Schuko power cables (SE, US & UK), network cable, USB (documentation & drivers), mounting details

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Specifications are subject to change without notice. For the most up-to-date specs, go to www.flir.com

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