

IoT Thermal Monitoring Kit

Connect Thermal Cameras to the Cloud Effortlessly



Upgrade your stand-alone IR camera monitoring with the MoviTHERM IoT Thermal Monitoring Kit, a streamlined solution for advancing to a cloud-based system. This kit, designed to complement existing infrared cameras, transforms traditional monitoring into an integrated, smart safety network. Effortlessly easy to set up without complex software, it connects your IR cameras to the cloud, enabling real-time, event-based notifications via text, voice, and email. With this kit, you can remotely access camera images and temperature trends, enhancing your situational awareness and operational efficiency. Ideal for those looking to elevate their existing IR camera setup, the MoviTHERM IoT Thermal Monitoring Kit is the key to a more connected, informed, and safer monitoring environment.



Highlights:

- Includes everything needed to start monitoring:
 - 1 x *iTL* Gateway
 - 1-year *iTL* Studio subscription with 1 x IR camera access.
- Stay “in the know” with easy-access dashboards highlighting temperature trends and IR image snapshots.
- Notification of system health and temperature threshold alarms via email, text, or voice calls.
- Compatible with SEEK Guardian Series IR Cameras.
- Easy to expand monitoring coverage by adding IR cameras.
- Perfect for early fire detection and condition monitoring applications.

Specifications

| iTL Studio | |
|-----------------------------------|--|
| Dashboards | User-defined layout with custom widgets for IR image snapshot and history scroll, IR camera temperature measurement and trend, camera internal temperature and trend, alarm summary table, *cellular signal strength and data usage. |
| Views | Upload facility overhead photos, maps, or CAD schematics: overlay cameras and sensors with alarm status graphics. IR image snapshot with history scroll. |
| Alerts & Notifications | Customized alerts and alarm notifications via text message, email, and dashboard. |
| Auto-Dialer | Virtual Auto-Dialer, message creation via text-to-speech interface. |
| Alarm Response Time | Locally via Gateway immediately upon breach of alarm threshold. Gateway signals cloud server an alarm condition, independent of cloud data update rate. |
| Reports | Dashboard Reports, Scheduled reports via email, customizable for daily, weekly, monthly |
| Address Book & Groups | Contact name, email, and mobile phone inputs. Organize by groups to coordinate notifications with shift schedules. |
| System Access | Any smart internet-connected device with access rights. |
| Licenses | Unlimited with paid subscription. |
| Security | Amazon Web Services 2048-bit encryption. *Secure off-network via cellular connection. |

*Available with optional Cellular Connection.

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Specifications (Cont'd)

| iTL Gateway | |
|--------------------------|---|
| Internet Connection | Via existing customer network or built-in cellular modem |
| Cellular Carriers | Optional Multi-Carrier, worldwide support* |
| SIM Card | Included - Industrial Grade with automatic failover |
| Remote Support | via Encrypted VPN, included with all subscriptions |
| Gateways & Protocols | WiFi, Ethernet/IP, HTTP/HTTPS, Modbus/TCP, MQTT with TLS (MQTTS) |
| Gateway Size (L x W x H) | 132 x 84 x 25 mm (5.2 x 3.3 x 1.0 in) |
| Connectivity | 2 x GigE/1000Mbs Ethernet Ports Wi-Fi 802.11ax, Dual Antenna Cellular LTE CAT4 Built-in GPS/GNSS |
| Outputs | 4 Digital Outputs, 24V EN 61131-2 |
| Gateway Mounting | DIN Rail (with adapter), Panel Mount, VESA Mount (with adapter) |
| Operating Temperature | -40°C to 80°C (-40°F to 176°F) |
| Supply Voltage | 8V to 36V DC |
| Power Consumption | 3W to 8W Operating |
| Compatible IR Cameras | SEEK G300 Guardian Series |

*Contact MoviTHERM for coverage outside the United States.

MoviTHERM, established in 1999, is dedicated to advancing thermographic technology for a variety of applications, including early fire detection, condition monitoring, and non-destructive testing. Our experience, bolstered by strategic partnerships, ensures that our clients are equipped with the latest in smart IR solutions. With our focus on client satisfaction and a mission to provide quality, cost-effective thermal imaging systems, MoviTHERM customers benefit from tailored, state-of-the-art solutions designed to meet specific application needs and operational demands. For more detailed information, please visit movitherm.com/about-us/.