## iTL Thermal Monitoring Kit

### For Effortless Remote Thermal Monitoring



A do-it-yourself thermal monitoring kit: This multi-infrared camera pack preemptively detects hot spots and monitors asset health, all while offering event-based notifications for real-time updates. It's user-friendly — no software installation is needed. Just mount the camera and gateway, connect them to the same network, and monitor. Stay informed 24/7 with instant alerts via text, voice, and email, giving you unmatched peace of mind. Access images and trends anytime, anywhere. With MoviTHERM, experience safety made simple and gained complete peace of mind.



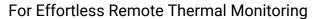
#### Highlights:

- · Includes everything needed to start monitoring:
  - 1 x Seek G300 infrared cameras
  - 1 x iTL Gateway
  - 1-year FREE subscription to iTL Studio
- Stay in the know with easy-access dashboards highlighting temperature trends and IR image snapshots.
- Communicate system health and temperature threshold alarms via email, text, or voice calls.
- · Easy to add more cameras as needed.
- Perfect for early fire detection and condition monitoring applications.

#### **Specifications**

SEEK G300 IR Camera Data	
IR resolution	320 x 240
Object temperature range	-20°C to 550°C (-4°F to 1022°F)
Sensitivity	35 mK @ 25°C w/SV1 Image Optimization
Accuracy	±5°C or ±2% between 5°C to 550°C @ 25°C ambient
On Camera Measurement	x 10 Spots, x 5 Areas (min/max/avg), exclusion zones (ignore pixels)
Focus	Fixed
FOV Options	3.7mm, 61° x 45° (Part# GQ-4ACX) / 9.1mm, 24° x 18° (Part# GQ-9ACX)
Spatial Resolution (IFOV)	3.20 mrad/pixel (Part# GQ-4ACX) / 1.32 mrad/pixel (Part# GQ-9ACX)
Detector Pitch	12 μm
Spectral Range	7.8−14.0 µm
Frame Rate	>25 Hz
Encapsulation	IP67
Operating Temperature Range	-10°C to 60°C (14°F to 140°F)
Camera Size (L x W x H)	105 mm x 50 mm x 50mm (including connector)
Camera Mounting (base)	4 x M3, 1 x 1/-20" UNC
Camera Power	Power Over Ethernet, PoE IEEE 802.3af class 0

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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	OS independent. Connect with 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.
iTL Gateway	
Internet Connection	Via existing customer network (Model ITL-GTW-ETH-WW)
Remote Support	via Encrypted VPN, included with all subscriptions
Gateways & Protocols	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 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, FLIR AXX, AXXX Smart Series

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/.