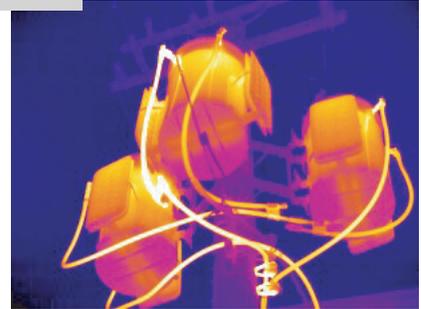


# K6700

SPECTRA SCAN



## The K6700 Offers High Performance At An Affordable Price

Lightweight and easy to use, the K6700 infrared camera helps you quickly and accurately locate problems. View crisp infrared images in the reciprocating high-resolution viewfinder, ideal for outdoor and indoor inspections. Designed to grow with your thermal imaging needs, the K6700 infrared camera is upgradeable to the ISG K6800. This fully-radiometric camera is ergonomically designed for comfortable one-handed point-and-shoot operation.

## Learn more about the K6700 Infrared Camera

To learn more about the K6700 SpectraScan infrared camera inspection system and how it can help you locate problems, avoid costly shutdowns, and save money.

**Call us today!**



**ISG**

Thermal Systems USA, Inc. [www.isginfrared.com](http://www.isginfrared.com) (877)733-3473

# Technical Specifications



## Image Performance

Thermal Lens:	50mm / 24°H x 18°V
Focus:	13" to infinity
Spatial Resolution:	1.3 mrad
Image Sensitivity / NETD:	.08°C @ 30°C
Image Frame Rate:	60 Hz NTSC / 50 Hz PAL, non-interlaced
Detector Type:	Focal Plane Array(FPA) uncooled microbolometer 320 x 240 pixels
Fill Factor:	>80%
Spectral Band:	8 ~ 14 um
Image Zoom:	8X Incremental (with spatial filtering)

## Image Presentation

B&W / Color Image:	Multiple palettes available
Auto Gain Control (AGC):	Automatic level, gain adjustment
Viewfinder:	Built in high-resolution TFT
Video Output:	RS-170 EIA/NTSC or CCIR/ PAL composite video

## Measurement

Temperature Range:	Range 1: -40°C ~ 150°C (-40°F ~ 302°F) Range 2: 120°C ~ 600°C (248°F ~ 1112°F)
Accuracy:	± 2% or 2°C of reading
Atmospheric Transmission Correction:	Input correction for humidity, temperature, and measuring distance
Emissivity Setting:	Auto based on user input
Peak Temperature Tracking:	On-screen cursor tracks highest or lowest temperature in scene
Isotherm:	Variable bandwidth and multi-color available
Temperature Span Setting:	Automatic / Manual (1/10° increment)
Temperature Range Setting:	Automatic / Manual (1/10° increment)
Measurement Modes:	Single point moveable
Alarms:	User defined upper or lower

## Image Storage

File Format:	14-Bit radiometric IR digital image
Image Storage:	500 images / 128Mbyte flash card

## Environmental

Operating Temperature:	-25°C ~ 50°C
Storage Temperature:	-40°C ~ 70°C
Humidity Operating and storage:	10% to 95%, non-condensing
Enclosure / Protection:	IP 54 IEC60536-2
Shock Resilience:	20G
Vibration:	2G

## Electrical

Power Requirements:	7.2V DC 5W Typical
External Power Supply:	90-240 VAC input 12 VDC output
Battery Operation:	150 Minutes (Li-ion Battery) typical

## Physical

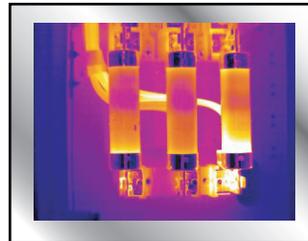
Camera Weight:	1.75 KG (3.85 Lbs.), including battery
Enclosure / Protection:	IP 54 IEC 529 Housing
Tripod mount:	1/4" - 20

## Optional Features

Lenses:	12° FOV
Lens Identification:	Automatic

## External LCD

Remote view 3.5" TFT LCD with camera control:	Optional
3.5" TFT LCD Panel:	Optional



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