

NEW Hioki Thermo Imaging Camera

Imaging of 64-Point Temperature Distributions

- Instantaneous Measurement of the Temperature Distribution within the Measurement Area
- Measurement Data Recorded on a Compact Flash Card and Edited on a Computer
- Video Output Allows You to Make Video Recordings of Temperature Changes
- Automatic, Continuous Measurement Enables Logging Measurement

The 3460HK Thermo Imaging Camera utilizes the world's first 64-element thermopile array sensor. Now you can take simultaneous 2-dimensional radiative temperature measurements and display results in 64 on-screen boxes. This advanced functionality makes measuring temperature distribution as easy as using a digital camera, and extends the applications for temperature measurement practically without limit.



Temperature Test Instruments

Instantaneous Measurement of the Temperature Distribution Within the Measurement Area

The 3460HK performs 2-dimensional temperature measurements with a newly developed thermopile array sensor (8 x 8 elements), dividing the measured part of the visual image area into 64 boxes and displaying the temperature with a high-speed response of approximately 0.2 seconds. Basic functionality for parameters such as temperature measurement accuracy and radiation ratio can be specified with the same convenience as for thermography (measurement wavelength 8 to 16 μm , comparable to non-cooled thermography, but at about 1/10 the cost of thermography.)

Measurement Data Recorded on a Compact Flash Card and Edited on a Personal Computer

A Compact Flash Card slot comes standard in the instrument. Measurement data can be recorded and accumulated along with image data on this convenient storage media, making it possible to simultaneously record an image in JPEG format and measurement data in CSV format. Data can be easily viewed and edited on a personal computer or PDA, without any other special software. (A card adapter is required.)

Video Output Allows You to Make Video Recordings of Temperature Changes

The instrument is small and lightweight, with a 3.8 inch color TFT liquid crystal screen that is easy to see, even outdoors, making it as portable as a digital camera. It also comes with a CMOS camera, which can simultaneously display a temperature image and optical image on the same screen. An NTSC video terminal enables video recording.

Automatic, Continuous Measurement Enables Logging Measurement (Interval Recording)

Automatic, continuous recording at a single location is possible by mounting the 3460 with a tripod screw and utilizing the logging function.

Specifications and Ordering Information

Detection Element	Thermopile Array
Measurement range	-50.0 °C to 1000.0 °C (-58.0 °F to 1832.0 °F), 0.1 °C resolution
Measurement View Angle	24.8 °square (440 mm (17.32 in) square at 1m (3.28 ft))
Accuracy	$\pm 10\%$ rdg. $\pm 2\text{ }^\circ\text{C}$ at -50.0 to 0.1 °C ($\pm 10\%$ rdg. $\pm 2\text{ }^\circ\text{F}$ at -58.0 to 31.9 °F) $\pm 2.0\text{ }^\circ\text{C}$ at 0.0 to 200.0 °C ($\pm 3.6\text{ }^\circ\text{F}$ at 32.0 to 392.0 °F) $\pm 1\%$ rdg. at 200.1 to 1000 °C ($\pm 1\%$ rdg. at 392.1 to 1832 °F)
Response Speed	0.2 seconds maximum
Display	3.8 Inch TFT LCD (320 x 240, 16 bit color)
Power supply	LR6 (AA) x 6 or AC adapter
Dimensions, Weight	167 mm (6.57 in) W x 55 mm (2.17 in)H x 123 mm (4.84 in) D, 700 g (24.5 oz)

Each Unit Includes: LR6 (AA) Alkaline Batteries x6, Shoulder Strap, Compact Flash Card (16 MB), User's Guide

Ordering Information

Order #	Mfg #	Description	Price
MP3460HK	3460	Thermo Imaging Camera	
MP3460-01HK	3460-01	Thermo Imaging Camera with Option Pack	
MP3915 HK	3915	Option Pack (Portable Case, Video Cable, AC Adapter)	