Thermal Imaging IR Camera Model 1950

Cat. #2121.40

Focus-free 20° x 20° field of view, configurable emissivity table, capability to add narration and external measurement data, report generation software

The Thermal Imaging IR Camera Model 1950 is equipped with infrared thermography detection technology that has become an indispensable means ensuring safety in industrial production.

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DETECTOR SPECIFICATIONS	
Detector Resolution	80 x 80
Type	UFPA microbolometer, 8-14µm
Frequency	9Hz
Thermal Sensitivity (NETD)	80mK @ 86°F (30°C)
TEMPERATURE MEASUREMENT	
Temperature Range	-4° to +482°F (-20° to +250°C)
Accuracy	± 3.6° F (±2 °C) or ±2% of Reading
INFRARED IMAGE	
Field of View	20° x 20°
IFOV (Spatial Resolution)	4.4mrad
Minimum Focus Distance	1.3ft (0.4m), fixed focus
VISUAL IMAGE	
Resolution	320 x 240
Minimum Focus Distance	2" (0.05m), fixed focus
IMAGE PRESENTATION	
Images Displayed	Infrared image, visual image with automatic parallax compensation. Merging of both images is possible with included PC software
LCD Screen	2.8" (7.1cm)
Freezing of Image	Animated or fixed image
Adjustment	Automatic or manual adjustment of palette min-max
Display Colors	Pseudo-colors, multiple palettes

For more details, download the datasheet or user manual at www.aemc.com

FUNCTIONS FOR ANALYSIS	
Measurement Tools	1 manual cursor + 1 automatic detection + Min-Max on adjustable area + temperature profile + Isotherm
Parameter Settings	Emissivity, environmental temperature, distance, relative humidity
Voice Recordings	Via Bluetooth headset (included)
External Measurements	AEMC current clamps 407, 607 and Multimeters MTX3292 and MTX3293
GENERAL SPECIFICATIONS	
Data Storage	2 GB micro SD card included (approx. 4,000 images) Replaceable with up to 32 GB SD card
Communication	USB link and *Bluetooth*
Tripod Mounting	1/4" insert on camera (tripod not included)
Software	CAmReport software included, for data analysis and report generation
Power Supply	4 x AA (1.5V) alkaline or NiMH rechargeable batteries with charger included
Battery Life	13:30 hours typical (11 hours minimum)
Operating Temperature	-4° to 122°F (-15° to 50°C); 95% RH
Storage Temperature	-40° to 158°F (-40° to 70°C)
Dimensions	8.86 x 4.92 x 3.27" (225 x 125 x 83mm)
Weight	24.7 oz (700g) with batteries
Ingress Protection	IP 54
EMC	EN61326-1
Safety	IEC 61010-1 Ed. 02 CE