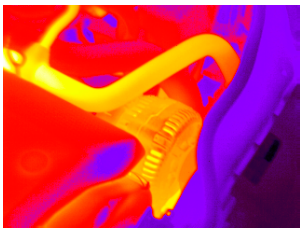
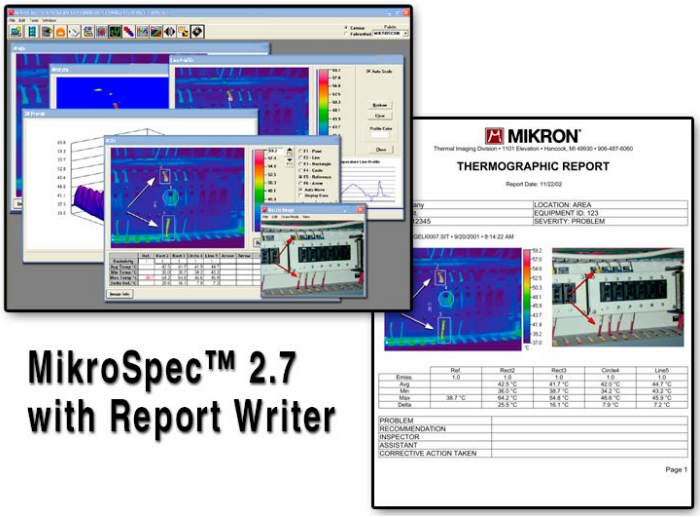
Mikron's Low-Cost, Radiometric IR Camera with MikroSpec™ Thermal Imaging Software and Certificate for Full Recalibration

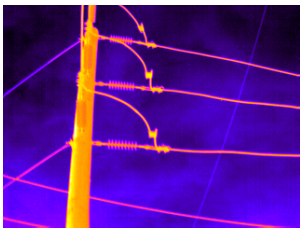
The MikroScan 7515 is an extremely lightweight, high-performance handheld IR camera offering capabilities normally found in models costing much more. This fully-radiometric camera is ergonomically designed for comfortable one-handed point-and-shoot operation using an intuitive keypad located on the top of the viewfinder. Completely self-contained in a splash-proof metal case, it is battery operated, uses advanced uncooled UFPA microbolometer technology, and stores images and data to compact flash memory cards.

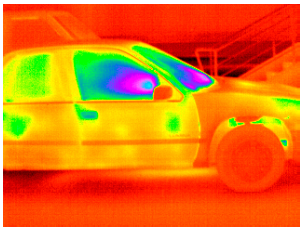
In addition to its on-board image processing capabilities, the MikroScan 7515 is fully compatible with Mikron's MikroSpec™ Thermal Imaging Software package which provides fully-comprehensive, post image analysis and report generation features.

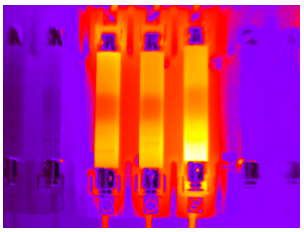

Mechanical Inspection



MikroSpec™ 2.7 with Report Writer


High Voltage Contact


Surveillance


Connector at Fuse

Mikron has been an innovative leader in the field of infrared non-contact temperature measurement since 1969. The company provides industrial customers and R&D laboratories with accurate instrumentation ranging from convenient portable units to complete thermal imaging systems. The company also offers experience in many different thermal applications, specialized software, and custom camera configurations. Mikron offers Value Imageering to help customers solve their most challenging application problems. Value Imageering is a turnkey package, consisting of complete engineering, design, and installation services to meet the most severe and difficult thermal imaging system requirements.

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Visit our website at www.IRimaging.com or call 1-888-506-3900

Technical Data

MikroScan 7515		
Performance	Temperature Range:	-40°C to 500°C
	Measurement Accuracy:	±2% or 2°C of reading
	Field of View:	29°(H) x 22°(V)
	Focus Range:	30 cm to infinity
	Instantaneous FOV:	1.58 mrad
	Detector:	320 x 240 Uncooled Focal Plane Array (Microbolometer)
	Spectral Band:	8.0 to 14.0 µm
	Image Update Rate:	30 Frames/sec or 60 Frames/sec
	Sensitivity / NETD:	0.06°C @ 30°C (Normal)
	Temperature Level Setup:	-40°C to 120°C
	Sensitivity Setup:	0.2°C to 20°C /DIV
	Emissivity Setting:	Auto Based on Operator Input
	Emissivity Correction:	0.10 to 1.00 (0.01 step) [Only Temp & Emiss Display)
	Ambient Correction:	Provided (Including interval NUC)
	Ambient Compensation:	Inputs for Distance, Atmospheric Temperature, and Relative Humidity
	Background Compensation:	Provided
	Measurement Function:	Run/Freeze S/N Improvement Σ2 (Fast) Σ8 (Normal)
	Response Calibration:	Provided
	Lens Assembly Correction:	Provided
	Image Zoom:	2:1, 4:1 (with spatial filtering)
Presentation	A/D Resolution:	14 bit
	Display Color:	Color/Monochrome, Pos/Neg (16, 32, 64, 128, 256 Grades) 4 Palettes Available
	ISO Band Display:	1-4 Lines (ISO Temp Band Width, Display Position Change)
	Auto Function:	Full Auto (Focus, Level, Sens) Level Auto, Sens Auto, Focus Auto (Manually Available)
	Auto Gain Control (AGC):	Provided
	Level Trace:	Auto Center Level Control
	Image Processing Function:	Level Change During Freeze, Sens Change During Freeze, Point Temperature Display (1 Point Available) Point Emissivity Correction (1 Point Setting), Digital Zoom x2 and x4, Spatial Filter (Run & Freeze)
	Viewfinder:	Standard (Color LCD optional)
	Data Display:	Range, Measurement Mode, Point Temp, Time, and Error Message
	Software:	MikroSpec™ 2.7 Thermal Imaging Software with Report Writer
Interface	Communication:	RS-232C
	Video Output:	NTSC/PAL, Composite Video, S-Video
	Data Memory:	16 MB Compact Flash Memory Card
Environmental	Operating Temperature:	-15°C to 50°C
	Storage Temperature:	-40°C to 70°C
	Enclosure:	IP 54 IEC60536-2
	Shock Resilience:	30G IEC60068-2-29
	Vibration Resilience:	3G IEC60068-2-6
Electrical	Power Supply:	95-250V AC 47-63 Hz
	Power Requirements:	7.2V DC 6W (Typical) Approx. 12W(Max when Stabilized)
	Battery Operation:	110 mins (Li-ion Battery)
Physical Characteristics:	Camera Dimensions:	3.8" x 4.3" x 6.7"
	Camera Weight:	3.3 lb. (Without Battery)
MikroScan 7515 Optional	Lenses:	Telephoto 2.0, Wide-angle, Close Focus, SpyGlass* (*patent pending)
	LCD Panel 5.6" diagonal measurement:	Complete with belt battery pack
	LCD Panel:	With full remote control capabilities

Mikron reserves the right to change specifications to reflect the latest changes in technology and improvements at any time without notice. These changes will be reflected in subsequent editions of our literature when warranted.

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