



## THERMOGRAPHIC SCANNING "IRCON-USA"

Measurement	100P: 15 to 660 °F (-10 to 35°C)	Accuracy	100P: $\pm 2\%$ of reading or $\pm 4^\circ\text{F}(\pm 2^\circ\text{C})$ whichever is greater. 100PHT: $\pm 3\%$ of reading or $\pm 6^\circ\text{F}(\pm 3^\circ\text{C})$ whichever is greater.
NETD	$< 3.5^\circ\text{C}$ @ $30^\circ\text{C}$ .	Spectral Band	8 mm to 12 mm, anti-reflection coated Germanium optics.
Detector	120 element linear array of uncooled thermopile detectors, 50 mm square pixels.	IFOV	2.5 mrad by 2.5 mrad.
Lens	Germanium 20 mm, F/0.7, focus 12 inches (305 mm) to infinity.	FOV	17.2 degrees horizontal and 17.2 degrees vertical.
Image Scan Time	$< 1.5$ seconds.	Operating Temperature	32 to 104°F (0 to 40°C).
System Dynamic Range	12 bits usable with digitizing resolution of 16 bits	Image Storage	4.0 Mbyte ATA flash PC card stores 140 images
Communication	RS-232, 300 to 115K baud selectable	Video Output	Selectable NTSC/PAL.
Display	4.0 inch (102 mm) active matrix color LCD, high luminance	Setup Menu Options	Emissivity, background temperature, temperature units, color palette, autoscale and fixed ranges, focus width, time, date, RS-232 baud rate, NTSC/PAL select.
Power Input	NP-98 compatible camcorder battery, 3AH	Battery Operating Time	60 minutes with 3AH battery.
Size	9.5 x 4.0 x 5.0 inches. (240 x 100 x 130 mm) L x W x H, not including lens)	Weight	$< 4.4$ lbs (2.0 Kg.) with lens and battery.
Standard Accessories	3 AH camcorder battery, battery charger, video cable, padded neck strap, manual, InspectIR 100 PS software for Windows 98/NT 4.0 Mbyte ATA flash card, carrying case		