

7320 Epidermal Thermal Imaging Professional

The 7320 Epidermal Thermal Imaging Professional (ETIP) camera system is a high resolution 320 X 240 uncooled focal plane array infrared camera package complete with specialized imaging analysis software. This radiometric camera package is best in class for this application as it is capable of discerning thermal differences as small as .027 °C and lower. At 1 meter the system can spatially resolve areas 1.1 mm in size. The camera electronics are 16 bit, allowing for superior thermal resolution analysis.

ETIP 7320 Specifications

Detector:	Microbolometer 320 x 240 UFPA VOX
Lens Included:	25mm
Field of View:	18° (Lens Dependant)
Optional Lenses:	5mm, 10mm, 18mm, 25mm, & 50mm
Instantaneous Field of View:	1.13mrad (Lens Dependant)
Spectral Response:	7 to 14 microns
Video Update Rate:	60Hz (16bit digital)
Minimal Focal Length:	4 in. to infinity
Focus Adjustment:	Manual / Electronic focus available
Temperature Dynamic Range:	16 Bits
Accuracy:	±1°C or ±1%
Thermal Sensitivity:	0.027°C @ 25°C (Optional NETD's)
Operating Temperature:	+15°C to 40°C
Storage Temperature:	-40°C to 70°C
Environmental Protection:	IP54
Palettes:	8 palettes including color and B&W



"When utilized properly, with high resolution and stable equipment and interpreted by true board certified and diplomatic thermographers, medical thermal imaging provides a component to the overall assessment of patients which can not be obtained in any other way. This procedure is complimentary to all other imaging procedures and not competitive with them. The science of thermography in medicine is solid..."

"Thermal imaging examinations require trained professional thermographers to administer the scans. To ensure accuracy, a preliminary set of medical infrared imaging protocols has been established and used successfully by Dr. William Cockburn. After taking the thermal images, a trained doctor will review the images and note any anomalies shown by the thermal imaging cameras. After several years of thermal body scans, comparisons can be made to previous scans to ensure that no new anomalies are present."

Dr William Cockburn, D.C., F.I.A.C.T., F.A.B.F.E.
Academic Dean: Academy of Medical Infrared Training
Fellow International Academy of Clinical Thermology
Fellow American Board of Forensic Examiners