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INFRARED CAMERAS INC

ICI Prodigy 320 P Specifications

Detector: Microbolometer 320 x 240 UFPA VOX

Field of View: 18° with standard 25mm lens
Optional lenses: 5mm, 10mm, 18mm, 50mm, 75mm,

100mm, 150mm, Microscopic, 25µm &

35µm Microscopic

Instantaneous Field of View: 1.13mrad

Spectral Response:7 to 14 micronsVideo Update Rate:60Hz (16bit digital)Focusing Distance:4 in. to infinity

Focus Adjustment: Manual / Electronic focus available

Temperature Dynamic Range: 16 Bits

Accuracy : $\pm 1^{\circ}\text{C} \text{ or } \pm 1\%$ Thermal Sensitivity: $0.038^{\circ}\text{ C} \otimes 25^{\circ}\text{ C}$ Operating Temperature: $-20^{\circ}\text{ C} \text{ to } 50^{\circ}\text{ C}$ Storage Temperature: $-40^{\circ}\text{ C} \text{ to } 70^{\circ}\text{ C}$

Environmental Protection: IP54 Shock: 30g Vibration: 3q

Palettes: 8 palettes including color and B&W

Automatic or Manual Gain and Level
1 watt input powered by computer USB connection

Data Interface: USB2 Outputs: USB2















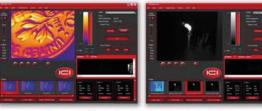




Medical Device Clearance 510(k) Number K073581

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Above: ICI Flash Professional Analysis Software

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The Prodigy infrared camera system represents the latest in innovation from ICI. The Prodigy offers uncooled infrared technology at its very best: the lowest thermal sensitivity on the planet combined with a suite of optics for nearly any application. Add the power of a Sony Micro PC and you have, in your hands, a 40GB hard drive computer running ICI's IR Flash software with the ability to record real-time data complete with 48 temperature measurement zones. Store this data for analysis later or pull out a few snapshots for report generation.

Applications

The Prodigy infrared system fuses the features of a laptop computer and a sophisticated R&D camera with portability and durability to inspect electrical transmission & distribution equipment, electrical switchgear, building envelopes, flat roofs, process equipment, mechanical equipment and any other application requiring the most sensitive streaming or fixed image temperature data. All this in a compact & lightweight infrared unit running Windows XP. Prodigy is powerful, easy to use and the smartest infrared camera for any testing or inspection application.