



# ICI Prodigy 640 P

## ICI Prodigy Specifications

<b>Detector:</b>	Microbolometer 640 x 480 UFPA VOX
<b>Optional lenses:</b>	18mm, 25mm
<b>Spectral Response:</b>	7 to 14 microns
<b>Focusing Distance:</b>	4 in. to infinity
<b>Focus Adjustment:</b>	Manual / Electronic focus available
<b>Temperature Dynamic Range:</b>	16 Bits
<b>Accuracy :</b>	±1°C or ±1%
<b>Thermal Sensitivity:</b>	<0.030° C @ 30° C
<b>Operating Temperature:</b>	-20° C to 50° C
<b>Storage Temperature:</b>	-40° C to 70° C
<b>Environmental Protection:</b>	IP54
<b>Shock:</b>	30g
<b>Vibration:</b>	3g
<b>Palettes:</b>	8 palettes including color and B&W
<b>Weight:</b>	5.2 oz with lens w/out micropc



Above: ICI Flash Professional Analysis Software

Automatic or Manual Gain and Level  
 1 watt input powered by computer USB connection  
 Data Interface: USB2  
 Outputs: USB2














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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.