

JCB Instruments Pty Ltd

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digiCam-IR Infrared Imaging/Radiometric Camera

Powerful thermal imaging and temperature measurement is at your fingertips with the IRCON digiCam-IR

Portable, Affordable And Uncooled

The IRCON digiCam-IR Model 100P camera lets you easily see and record thermal images of stationary objects. Tasks that can be performed with this include predictive or preventive maintenance, quality control or new product development. Because of its size, it is very portable. The digiCam-IR operates at room temperature with no detector cooling necessary, making it more convenient than competitive cooled models. It can actually operate in any environment between **0/40°C** (32/104°F) which other thermal imaging cameras simply can't do.

The digiCam-IR has an impressive built-in **4.0 inch** high-luminance, colour LCD that displays temperature and images of target differentials varying by **0.1°C** (0.2°F). Pushing the snapshot button will produce a crisp infrared image with temperature data in less than 1.5 seconds.

By pushing and holding the snapshot button, the camera is activated into real-time sweep mode for focusing or scanning a large area. This comes with InspectIR, an image analysis tool for Windows 95/NT and Report Writer software.

10 Direction buttons: Maneuver the cursor over the image to display temperatures in temperature mode or navigate the menu in menu mode. Push left button in menu mode to access 'Quick Palette' feature and cycle through colour palettes.

11 Enter button: Select menu items in menu mode or change emissivity in temperature mode.

12 Escape button: Escape toggles between menu and temperature modes. Also used to back out of menu system one screen at a time or to exit histogram mode.

13 Power button: To turn the digiCam-IR on or off.

1 Portable Size: 240 x 100 x 130 mm (9.5x4.0x5.0 inches) and including battery and lens, 2.0kg.

2 Snapshot button: Push to capture infrared image within 1.5 seconds, push and hold to activate real-time scanning. Push button again to capture image.

3 Advanced Optics: Anti-reflection coated (8 to 12µm) Germanium F/0.7 optics, focusing from 12 inches (305mm) to infinity.

4 Plug-in 4Mb ATA PCMCIA Flash Card: Store up to 140 images on the card or hundreds on optional high density cards.

5 Patented Uncooled Thermopile (TE) Detector Array: Advanced silicon micro-machining technology – sensitive to thermal radiation in the **8 to 12µm** infrared region. Accuracy is within 2% of reading or 2°C (4°F) for temperatures from **-10/350°C** (15/660°F) and provides **0.1°C** (0.2°F) resolution.

6 Standard 3AH Camrecorder Battery: upto 60 minutes of use before recharging (recharger included).

7 Colour 4.0 inch LCD: active matrix colour LCD delivers high luminance.

8 Hot Spot Mode: Unique mode that automatically points to the hottest spot on the image, quickly determining the problematic areas.

9 RS-232 communications port with baud rates selectable up to 115K. NTSC/PAL video output – selectable and easily accessible.



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