

# PalmScope<sup>TM</sup> PS-102

Video capture device for JPEGs and movie clips



**PalmScope** is ideal for any application in which sequences of still images or video clips need to be captured and stored from a video source, either in a laboratory or on site and is an ideal replacement for a VCR or computer based video capture system.

Typical applications include:

- ° Medical diagnosis
- ° Routine maintenance and quality control
- ° Inspection and fault-finding
- ° Forensic and security.

## Capture video and still images

Video clips are captured at full NTSC or PAL resolution, at 30 or 25 fps respectively, and stored in Motion-JPEG (MJPEG) compressed format, allowing approximately 3 minutes of video to be stored on a 128MB CompactFlash card. Still images are stored in a compressed JPEG format and over 1000 images can be stored on a 128MB CompactFlash card. The storage capacity is limited only by the size of the card used, and a 2GB card will hold many thousands of images or up to 80 minutes of video.

✓ **Versatile\***

## Annotate images for later reference

Captured images and video clips are automatically named with the date and a sequence label; alternatively you can supply a name using the PalmScope keypad.

✓ **Convenient**

## Organise images to aid retrieval

The PalmScope includes a convenient thumbnail gallery with cataloguing functions to help in archiving and retrieving images. An individual image can be selected for full size viewing. Images can be easily transferred to a PC using the supplied card reader, where they can be displayed or processed by any suitable image editing software.

## Simple operation

The PalmScope is simple to operate, using intuitive onscreen displays, and the keypad can be used even when wearing gloves or protective clothing. For convenience the PalmScope can also be switched for either left-handed or right-handed use.

✓ **Easy**

## Robust

Its tough construction and the absence of moving parts make it extremely durable, and it is ideal use in the field.

✓ **Durable**

**\*Now even more versatile!**

Display images on external monitors via the video-out connector now fitted as standard.



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## SPECIFICATIONS

### Display

Type: 6.5" TFT LCD  
Resolution: 640 x 480 pixels  
Brightness: 300cd/m2  
Colour depth: 262,144 colours (18-bits)



### Video

System: Auto selecting NTSC/PAL  
Resolution: NTSC – 640 x 480 30 fps  
PAL – 768 x 576 25 fps  
Inputs: Auto selecting Composite (CVBS)/  
S-Video (Y/C)  
Connectors: S-Video input: 4-pin mini-DIN  
S-Video output: 4-pin mini-DIN  
Keyboard: PS/2 6-pin mini-DIN  
(not supplied)  
For composite video input/output  
Use the phono adaptor provided  
Text overlay: 10 lines x 25 characters



### Mounting

Mounting: " UNC threaded insert (standard camera mount)



### Media

Flash memory: CompactFlash™ Type I & II cards  
Hard disk drive: IBM MicroDrive™ Type II only  
Capacity (max.): CompactFlash™ 2GB  
IBM MicroDrive™ 1GB

### File system

Capacity: Root directory – 16 folders  
Folders – 1296 files  
Format: FAT-16 8:3 filename convention

### File formats

Still image: JPEG, high quality  
Video clip: Motion-JPEG (MJPEG), 25 fps,  
QuickTime CIF format

### Power

Internal battery: NiMH 6-cell  
Voltage: 7.2V (nominal)  
Capacity: 4Ahr (typical operation 2 to 3hrs)  
Charger: Internal smart fast charger  
Charging indicators and auditory alarm  
External: PSU 12V, 50W, mains operation  
2.1mm DC connector



### Options

DC output: 12V, 9V, or 5V (3W)  
Remote capture switches for JPEG and movies  
RS-232: Bi-directional, 3-wire

### Compliances



### Approved CompactFlash cards

Type I: Dane-elec, Lexar  
Type II: IBM MicroDrive™

Please contact Moritex Europe Ltd for details of currently approved CompactFlash card manufacturers.

**Accessories Included:** 128MB CF card, S-Video lead, S-video to Composite Phono adaptor, USB-Compact flash card reader, Keyboard connector adaptor, PSU/charger.

Made in UK

### Distributed by:



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