

FLEXIBLE COLOUR VIDEO ENDOSCOPES



Full colour flexible video endoscopes featuring the latest CCD chip at the tip technology.. The ultimate choice.

COLOUR VIDEO ENDOSCOPE SPECIFICATIONS

Standard Model

- 6mm, 8mm, 10mm and 12mm nominal diameter 4-way +/- 120° up/down and left/right steering with choice of either, double lockable screw interchangeable viewing tip facility for 8mm, 10mm and 12mm, or fixed tip option.
- Maximum insertion shaft working lengths 6 metres with 4-way steering.
- Maximum insertion shaft working lengths 20 metres without steering.
- 6mm diameter fixed 0° direct forward viewing tip with choice of 40° or 60° field of view.
- 8mm, 10 & 12mm diameter, 0° direct forward and 90° lateral view, with choice of 40° or 60° field of view.
- Diameter may increase by around 1mm for side view tip
- Focus preset to provide optimum viewing depth required.
- For requirements covering a wide range of viewing distances ranging from a centimetre to perhaps metres from the tip position, the facility for adjustable distal focus is possible, by means of a special supplied adjustment tool. This option is currently only available for 12mm diameter fixed viewing tip.
- Tough polymer outer sheathing, fully watertight, over reinforced inner.
- Viton covered tip bending section.
- Full colour interline CCD at the tip of the endoscope. Composite video.
- 6mm diameter 1/10 inch PAL, 500(H) x 582(V) pixels.
- 8mm, 10mm and 12mm diameter 1/6 inch PAL, 752(H) x 582(V) pixels.
- Single combined video/lightguide 1.5 metre umbilical cable, finally separated by Y piece termination of a multi-pin connector to separate Camera Control Unit and a lightguide cable with BS/ACMI male lightguide connector to a separate suitable lightsource.
- Camera Control Unit (CCU). Compact durable ABS cased. Dims 12x 19 x 5cm. Video out BNC socket. Input 12vDC.
- Endoscope and CCU supplied in a fitted hard carry case.
- Requires a suitable, lightsource and a colour monitor.
- Guaranteed 12 months.
- A wide range of light-sources, power supplies, battery packs and belts. Hands-free TFT LCD screens, or conventional CRT monitors. Piggy-back systems. Heavy duty cased systems and special packages available. Digital Image archiving of selected still images or full video.

' WARNING: Safety notice. Electric cable inside insertion shaft. In the event of the protective outer sheathing being perforated, a potential source of ignition exists if used in explosive atmospheres. Please ask for details of Endoscan non-metallic 'Spark Resistant' flexible endoscopes.

EXAMPLES OF POPULAR VIDEO ENDOSCOPE VIEWING SYSTEMS

Featherweight Kit comprising of:-

Choice of Video Endoscope as above plus separate Battery Belt and mains Charger. Adjustable waist-belt with separate pouch to take the LSB. 24 Compact High Intensity Lightsource. 24 watt Miniature Metal Halide Lamp. 12vDC input. Output exceeds 150 watt halogen. Mechanical shutter dimmer. Cool running. Weight 0.7 kg. Dims 11.4 x 8.4 x 8.4 cm and separate pouch to take Endoscope Camera Control Unit (CCU), ABS case, 12 x 19 x 5cm, supplied with two integral rechargeable battery packs in separate pouches. 2 x 6v DC sealed SLA batteries in series. System output 8.2 Ah.12v DC. Provides over 2 hours use. Separate 12v DC 2.3 amp intelligent charger 240v Ac. 50 Hz. Charging to 75% under 3 hours. Fully charged 6 hours. Plus LSM713 Monitor. 6.8 inch colour TFT LCD, with integral 12v DC battery pack plus charger 12vDC. or if you prefer use your existing lightsource and colour monitor.....



Compact Kit comprising of:-

Choice of Video Endoscope plus a dedicated aluminium alloy case fitted with a High Intensity Lightsource. 24 watt Miniature Metal Halide Lamp (Output exceeds 150 watt halogen) 12vDC input. 2.6 amps. Integral 12vDC rechargeable battery 6.5Ah with separate external 110/ 240v AC charger unit. Drop down panel for controls and connectors. Endoscope video multi-pin input socket to integral fully automatic (CCU) Camera Control Unit,. Lightguide input BS/ACMI female. Composite Video In/Out BNC sockets. Lift-up lid with retaining catch for hinged plate fitted with integral 8.4 inch TFT colour LCD screen. Dimensions 330mm x 280mm x 235mm. Alternative screen option is for the 'Vicat' Video Image Capture and Display device To be fitted . Please see specification details on next page.

VIDEO ENDOSCOPE IMAGE ARCHIVING ACCESORIES

VICAD - Video Image Capture And Display



The possibilities are endless! Use with Endoscopes-Video Cameras-Microscopes

Version 5.0 Key Features:

- 6.5 inch colour TFT LCD display.
- Live Video display. Auto select NTSC/PAL.
- Image freeze-frame. Video clip. Save to CompactFlash card.
- 640 x 480 pixels. 18 bit. Full-frame, or field-doubling mode for fast moving objects.
- Resolution PAL : Still image 768 x 576 pixels: Video 768 x 512 @25fps:Screen 640 x 480 pixels.
- Resolution NTSC : Still image 640 x 480 pixels: Video 640 x 480 @30fps:Screen 640 x 480 pixels.
- Inputs: Composite, S-VHS/Y/C. Audio Microphone/Line. Audio Output Headphones.
- Internal FAT-16 File system. 256 files. JPEG compression.
- Integral dual Media Storage for:-
- Compact Flash Type 1 & II memory cards max 2GB.
- IBM Microdrive Type II Max 1Gb.
- Remote SPST File saving connector.
- Thumbnail gallery function.
- Internal NiMH rechargeable battery and charger.
- Supplied with USB 2.0 Combo card reader, external PSU 12v 40W 240 vac.
- Smart travel pouch accessory available.

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Endoscan Ltd is the certified company

