



ITI V5+ Videoscope System



Simple to use



Includes battery pack



Portable



Compact



Lightweight



Superior image quality

VERSATILE, COMPACT, DURABLE

The ITI V5+ Videoscope System is ready for use whenever and wherever you need it at a price you can afford.

- Superior image quality
- Complete system in a lightweight 12 lb. package
- Simple to operate
- Industrial videoscope with 4-way articulation
- Compact and portable for easy on-site inspections
- Durable design limits downtime
- Affordable, high quality performance incorporating only the functions you need

GOOD THINGS COME IN SMALL PACKAGES

Superior performance in a complete, compact system designed for easy use.

- High resolution, 6.5 inch TFT LCD display
- Integrated 24 watt Solarc light source
- Electronic control board
 - LED back-illuminated for low light use
 - Durable, sealed touch board operates in all weather conditions
- Digital zoom, image inversion, automatic/manual white balance
- Integrated digital recorder for video or still photography stored on Compact Flash card
- A/C or D/C (battery included) power source



PROTECH® articulation system guards against accidental over-torque damage of the control cable. This prevents expensive repairs while limiting downtime. High impact sealed body, fingertip control and 2X electronic zoom.

4-way flexible articulation to maximize viewing options with single hand operation. Available working lengths of 2M to 7.6M. Tungsten braid assures maximum durability and performance in difficult environments.



Easily interchangeable viewing heads with both forward and right angle line-of-sight. Fields of view of 40°, 80°, and 120° are available.



ITI V5+ Videoscope System

Technical Specifications

V5+ System

| | |
|-----------------|---|
| Dimensions | 14" x 11 1/8" x 6 5/8" (35cm x 28cm x 17cm) |
| Weight | 12 lbs. 6 oz. (5.6kg) |
| Power Input | 88-264VAC, 47-63Hz, 1.1Amps |
| Battery Runtime | 12VDC (10.8Ahr NiMH Battery), 5.1Amps 1 hr. 50 mins. |

Videoscope Probe

| | |
|-----------------|--|
| Diameters | 6mm, 8mm |
| Working Lengths | 2M (6.6'), 3M (9.8'), 4M (13.1'), 5M (16.4'), 6M (19.7'), 7M (23.0') and 7.6M (25.0') |
| Optics | Interchangeable Heads: 40°, 80°, 120° FOV Fwd and RA LOS |

Tip Articulation

| | |
|------------|--------------|
| Up/Down | 130° minimum |
| Left/Right | 130° minimum |

CCD Camera

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|---------------|------------------------------------|
| Image Sensor | 1/6" CCD |
| Pixels | 373,000 NTSC; 438,000 PAL |
| Shutter Speed | Up to 1/10,000 sec. |
| White Balance | Auto and Manual (2800°K to 6500°K) |

Digital Recorder

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|-------|--|
| Video | Motion-JPEG (Quicktime MOV files, CIF format) NTSC - 320 x 240, 30fps PAL - 384 x 288, 25fps Two recording rate settings: 33mins (4mbit/s, 30fps) w/ 2Gb CF card 66mins (2mbit/s, 15fps) w/ 2Gb CF card |
|-------|--|

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|-------|------------------------------------|
| Audio | Audio annotations recorded w/video |
|-------|------------------------------------|

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|--------|---|
| Stills | JPEG file type NTSC - 640 x 480 PAL - 768 x 576 Two image snap settings: Standard Quality (128kb file size) High Quality (256kb file size) |
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| Storage Media | CompactFlash™ Type I & II Cards, 1Gb (included) up to 2Gb |
|---------------|--|

LCD Display

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|----------------|----------------------------------|
| Size and Type | 6.5" TFT Color LCD |
| Viewing Angle | Horiz - 140°, Vert - 120° |
| Luminance | 500 cd/m ² (500 NITS) |
| Contrast Ratio | 600:1 |
| Resolution | VGA (640H x 480V) |

Light Source

| | |
|-------------------|--------------------------|
| Lamp | 24 Watt Solarc |
| Color Temperature | 5500° K |
| Lamp Life | 500 hrs. |
| Attenuation | Manual graduated shutter |

Video and Accessory I/O

| | |
|---------------------|---|
| Video Input | S-Video (Y/C), 4-pin mini-DIN |
| Video Output | S-Video (Y/C), 4-pin mini-DIN Composite (CVBS), BNC Scope mounted ITI monitor |
| Keyboard Input | USB jack |
| Audio Headset Input | 3.5mm phone jack |

Misc. Features

| | |
|--------------------|--|
| Electronic Zoom | 2X Digital Zoom |
| Image Inversion | Left to Right Mirror |
| Longtime Exposure | 1/30th sec. to 2.1 secs. |
| Display | Freeze Frame 4-Image tiled mosaic Color/Black & White Positive/Negative |
| Image Text Overlay | 10 lines x 25 characters |

Operating Environment

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|----------------------|--------------------------------|
| Probe Operating Temp | -13°F to 176°F (-25°C to 80°C) |
| Control System Temp | -5°F to 115°F (-20°C to 46°C) |
| Storage Temp | -15°F to 140°F (-26°C to 60°C) |
| Relative Humidity | 95% Maximum |