



# 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



**PROTECHT**® 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

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

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
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### LCD Display

Size and Type	6.5" TFT Color LCD
Viewing Angle	Horiz - 140°, Vert - 120°
Luminance	500 cd/m <sup>2</sup> (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

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