

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 12VDC (10.8Ahr NiMH Battery), 5.1Amps
Battery Runtime	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
Audio	Audio annotations recorded w/video
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)
Storage Media	CompactFlash™ Type I & II Cards, 1Gb (included) up to 2Gb

LCD Display

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

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



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