

# A Specifications

Feature	Specification
Power	
AC	100 – 240 V, 50 – 60 Hz; 115 V, 400 Hz
DC (optional battery)	11 – 16 V
Maximum consumption	300 W
Nominal consumption	150 W (when not charging battery or using accessories)
Battery operation	Up to one hour (small battery) or two hours (large battery)
AC output	IEC-type F connector. The voltage and frequency of the power available at the AC output is the same as the voltage and frequency applied to the inlet. Maximum output is 100 W.
Arc lamp	75-watts, high-intensity discharge (HID)
Fuses	
AC	:6.3A, 250V, fast acting
DC	20A, 600 VDC, fast acting
Operating environment	
System operating temperature	-4° to 115°F (-20° to 46°C) LCD requires warm-up period below 32°F (0°C) .
Tip operating temperature	-13° to 176°F (-25° to 80°C) Reduced articulation below 32°F (0°C)
Storage temperature	-13° to 140°F (-25° to 60°C)
Relative humidity	95% max, non condensing
Waterproof:	Insertion tubes are watertight to 1 bar (14.5 psig, 10.2 m [33.5 ft] of H <sub>2</sub> O)
Hazardous Environments	Not rated for use in hazardous environments
System	
Case Dimensions	Standard: 54.6 x 49.5 x 32.0 cm (21.5 x 19.5 x 12.6 in) Tall: 54.6 x 60.9 x 32.0 cm (21.5 x 24 x 12.6 in)
Weight	In Case: 21.8 kg (48 lb) Without Case: 10.9 kg (24 lb)
QuickChange™ Probes	
	6.1 mm (0.242 in), 5.0 mm (0.197 in) and 8.4 mm (0.331 in) Diameter Probes
Image Sensor	1/6" Color SUPER HAD CCD®
Pixel Count	440,000 pixels
Temperature Sensor	Integrated Temperature Warning System

<b>Feature (cont.)</b>	<b>Specification (cont.)</b>
Camera Housing	Titanium
Articulation	360° All-Way®
Tip Optics	Double threaded attachment
3.9 mm (0.154 in) Diameter Probes	
Image Sensor	1/10" Color, SUPER HAD CCD
Pixel Count:	290,000 pixels
Camera Housing	Titanium
Articulation	360°
All-Way Tip Optics	Double threaded attachment
<b>Handset</b>	
Dimensions	39 x 18 x 13 cm (15.4 x 7.1 x 5.1 in)
Weight	1.81 kg (3.98 lb)
Construction	Polycarbonate housing with integrated elastomer bumpers
LCD	16.3 cm (6.4 in) diagonal, 16 x 9 aspect ratio, 800 x 480 pixels, wide VGA
LCD Brightness	380 nits (cd/m <sup>2</sup> )
Power Tube	2.4 m (8 ft) long
User Controls	Joystick and complete button function set
Microphone	Built-in microphone for audio annotation located at the top center of the handset
<b>Base Unit</b>	
Dimensions	44 x 22 x 35 cm (17.3 x 8.7 x 13.8 in)
Weight	7.21 kg (15.90 lb)
Construction	Aluminum chassis with polyurethane bumpers
System CPU	Intel Pentium® M
Video Processors	Multiple digital signal processors
Brightness Control	Automatic and variable, adjustable auto gain and exposure
System Memory	Internal CompactFlash® card, 2.7GB (standard)
Lamp Type	75W High Intensity Discharge (HID)
Lamp Output	4300 Lumens
Lamp Life	1000 hour median
Keyboard Input:	USB keyboard with built-in trackball
Video Outputs	Switchable NTSC/PAL S-Video, Standard 15-pin PC video connector
Video Input	Auto detecting NTSC/PAL S-Video
USB	Three external USB 2.0 ports
Ethernet	Integrated 10/100 Ethernet port
CompactFlash	One CompactFlash card (Type II) slot
AC Input	AC Nominal input: 100 to 240 V, 50 to 60 Hz; 115 V, 400 Hz; 275 W max
AC Output	100 W max; IEC320-2-2 Type F connector
DC Input	11 to 15 VDC; nominal 12 VDC; 150 W max

<b>Feature (cont.)</b>	<b>Specification (cont.)</b>
Audio Output Connectors	Built-in front panel speaker, 3.5 mm stereo line level out, 2V RMS max, 3.5 mm stereo headphone
Audio Input Connector	3.5 mm microphone
Software	
Operating System	Multitasking with desktop software options
User Interface	Drop-down menu driven operation, joystick, and keypad
File Manager	File and folder creation, naming, copying and deleting
Measurements	StereoProbe®, ShadowProbe® and Comparison
MDI Software (optional)	Provides user defined guided inspection. Creates DICONDE compatible inspection files Creates MS Word™ compatible inspection reports
Audio Data	PC compatible, 15 second files (WAV or MP3 format). PCM audio with MPEG2 video recordings
Image Controls	Adjustable brightness, 1/10,000 sec to 12 sec exposure. Left/Right invert for side-view tip correction. Freeze frame, live/still Inverse+ enhancement, side-by-side split screen
Digital Zoom	1X to 3X – Continuous and 5-level stepped
User Available Memory	2.7GB internal, user-supplied external
Annotation	Text and arrow overlays and custom logos
Articulation Controls	360° All-Way® steering, Steer-and-Stay™, Home
Lamp Control	On/Off, menu-controlled
Software Updates	Field upgradeable via removable media
Temperature Warning	Integrated camera and base unit temperature warning systems
DVD writing	DVD+R, DVD-R, still images, audio clips, MPEG2 video and PCM audio real-time recording
Languages	Chinese, Czech, English, French, Japanese, Spanish, Russian, German, Italian, Portuguese, Swedish, or factory supplied custom language.
Tip Articulation	2.0 m, 3.0 m, and 4.5 m Up/Down – 140° min, Left/Right – 140° min 6.0 m Up/Down – 130° min, Left/Right – 130° min 8.0 m Up/Down – 120° min, Left/Right – 120° min 9.6 m Up/Down – 110° min, Left/Right – 110° min Note: Typical articulation exceeds minimum specifications