

THE RECON

ARTICULATING VIDEO BORESCOPE

SPI Borescopes is proud to introduce The Recon Series of Articulating Video Borescopes. With over 6 years in development, The Recon, is quite possibly the best borescope ever made. We asked the top engineers in Aviation, Manufacturing, Power Gen, Oil & Gas, and several other industries what they wanted in the perfect borescope. We listened, and then we delivered.

KEY FEATURES

- ✓ 4-way | 360° Power-Glide Joystick Articulation.
- ✓ Massive Ultra Clear 6" Screen
- ✓ 1 Million Pixel Micro-Digital Camera
- ✓ Intelligent Image, Video and Audio Recording with Annotation
- ✓ Magnetic Base, Screen Flip Function, & Intuitive Single-Use Buttons
- ✓ 4 Hour Rechargeable & Replaceable Lithium-Ion Battery
- ✓ 6 Adjustable, High Intensity LEDs (Up to 80,000 Lux)
- ✓ Interchangeable Probes & Custom Inspection Kits
- ✓ 3.9MM, 6MM, 8MM, 2.4MM Insertion Tube Diameters.
- ✓ 1.5 Meter, 3.0 Meter, & 6.0 Meter Insertion Tube Lengths.



BRILLIANT DISPLAY ON ANY SCREEN SIZE



With the built in HDMI port, 32GB SD Card, and Advanced Connectivity features, The Recon can be experienced in brilliant clarity on any size screen, from 6 to 60 inches.

TRUE INTERCHANGEABLE PROBES & CUSTOM INSPECTION KITS



The Recon's interchangeable probe design permits the assembly of custom inspection kits, containing various probe size and functionalities, or redundancy to avoid repair associated downtime.

CONTINUOUS DEVELOPMENT



The Recon is the only borescope that will get better the longer you own it. As we continue to design and develop new and innovative probes, cameras, functionalities, and software, your borescope technology will grow with ours.

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THE RECON SERIES BORESCOPE'S TECHNICAL SPECIFICATIONS		3.9mm SERIES	6.0mm SERIES	8.0mm SERIES
Insertion Tube	Outer Diameter	3.9mm	6.2mm	8.4mm
	Length	1.5meter / 3.0meter	1.5meter / 3.0meter	6.0meter
	True Interchangeable Probes	Yes	Yes	Yes
	Insertion Tube Exterior	Tungsten Braid	Tungsten Braid	Tungsten Braid
	Waterproof	IP65	IP65 (IP67 Optional)	IP65 (IP67 Optional)
Optics	Pixels	1,000,000	1,000,000	1,000,000
	Field of View	>90°	>120°	>120°
	Depth of Field	2mm - 80mm	2mm - ∞	2mm - ∞
	Illumination Method	6 Ultra White Light LEDs Off - High 5 Levels		
	Illumination Intensity	18,000 Lux Highlight LED	50,000 Lux Highlight LED	80,000 Lux Highlight LED
	White Balance / Exposure / Gain	Automatic & Manual Control		
Articulation	Articulation Control	4-way 360° Manual Joystick Control		
	Bending Angle	>160° x 360° Full Rotation		
LCD Monitor	5.7 inch High Resolution Solid State Color LCD			
Observation Function	Digital Zoom	6 Adjusting Levels .5X, 1X, 1.5X, 2X, 2.5X, 3X Digital Zoom		
Input / Output	Video Output (NTSC/PAL)	Real Time Recording		
	Output Interface	AV / hdmi Cable Ports		
Terminal	Audio Recording	Integrated Microphone for Audio Recording over Video		
	Audio Output	Built in Stereo Speakers & Monaural Flat Jack for Earphones		
	Microphone Input	Monaural Flat Jack for Microphone & Integrated Microphone		
Storage Media	Storage	32GB SD Card (Removable)		
	Still Image	JPG 1024x768 (4:3) / 1200x720 (16:9)		
	Video	MOV 960x720		
		Voice Recording via Integrated Microphone		
Storage Capacity	Still Images ≈ 4000 pictures / Movie Recording ≈ 10 hours			
Playback Function	Hand Unit / HDMI or AV to Computer, TV or other Screen			
Operating Software	OS	Multitasking OS, Menu, Drive and Key Operation		
	Software Updates	Upgrade via USB Flash Drive and SD Card		
	Languages	(14 Languages) EN, SP, PT, CN, JP, DE, FR, IT, NL, TR, DA, FIN, KR, RS		
	Screen Image Rotation	180 Degrees		
	Rename Image & Dictation	Yes		
Working Conditions	Ambient Temperature	-10°C~50°C (14°F - 122°F)		
	Protection Level	Hand Unit IP54, Probe IP64 (Standard), IP67 (Optional)		
Power Supply	Battery	Lithium Rechargeable Battery 3.2V/3200MAH*2		
	AC Power Input	100-240V ~ 50/60HZ 0.35A		
	DC Power Output	8.4V 1A		
	Operating Time	Apx. 4-5 Hours (Interchangeable and Rechargeable Lithium-Ion Battery)		
	Charging Options	In Unit, Spare Batteries & Battery Charger		
Size	Borescope Weight	2.71 LBS / 1.23kg with Base 1.84 LBS / 0.83kg without Base Attached		
	Carrying Case Weight	17.06 LBS / 7.74kg		
	Carrying Case Size	20.5 x 16.5 x 9 inches / 52x42x23 cm		
Additional Features	Base Style	Magnetic & Removable (Non Magnetic Option Available)		
	Auxillary Flashlight	Yes		
	Gridline Overlay System	Yes		
	Safety Straps	Wrist & Shoulder Straps Included		
	Extra Batteries	2 Included (More Available Upon Request)		