

RF SYSTEM lab.

123 West Main Street #202, Gaylord, Michigan 49735

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Articulating *Video Borescope*



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SPECIFICATIONS

Insertion Tube Diameter	6.9mm		
Insertion Tube Length	1.5m (59") / 3.0m (118") / 5.0m (197")		
Insertion Tube Exterior	. . . . .	Stainless Steel Braid	
Articulation	. . . . .	360° (>90° in every direction)	
Field of View (H/V)	. . . . .	72° / 54°	
F No.	. . . . .	F 6.0	
Depth of Field	. . . . .	15mm - ∞	
Illumination Method	. . . . .	4 Super High-Intensity White LEDs	
Still Image	. . . . .	JPEG 640 x 480	
Video and Audio	. . . . .	MPEG (AVI file extension) 640 x 480	
Waterproof	. . . . .	Insertion Tube and Tip	
Chemical Resistance	Machine Oil, Heating Oil, Engine Oil,	3.5% Conc. Saltwater, Diesel Fuel	
Storage Media	MicroSD Card (Maximum 2GB/	Recommended 512 MB)	
LCD Monitor	. . . . .	3.5 inch	
Zoom	. . . . .	2X Digital Zoom	
Camera Tip Temperature Display	. . . . .	Yes	
Temperature Alarm Display	. . . . .	Yes	
LED Flash Brightness Option (Stills)	. . . . .	Yes	
Time-Lapse Recording (Video)	. . . . .	Yes	
RCA Output	. . . . .	Yes	
USB Output	. . . . .	Yes	
Microphone Input (Microphone Jack)	. . . . .	Yes	
Audio Output (Earphone Jack)	. . . . .	Yes	
Still Image Capacity	Maximum 500 pictures (with 1 GB	MicroSD Card)	
Video Recording Capacity	with 1 GB Micro SD Card: Approx. 60	minutes (Normal Mode) or 9 hours	(Time-lapse Mode)
Image Time and Date Stamp	. . . . .	Yes	
AC Power Supply	. . . . .	Yes	
USB Storage Device Recognition	. . . . .	Yes	
Onboard Power Supply	. . . . .	4 AA batteries	
Battery Run-Time	. . . . .	Maximum 1.5 hours	
Weight	. . . . .	650g/ 23oz	

Introducing...

the best combination of
features, performance,
and value in the market!

RF System Lab is making waves in the Remote Visual Inspection Industry.

Our newest product, the VJ-Advance, delivers all the features you would expect in a high-end videoscope at a price that makes it accessible to almost everyone.

If you thought you had to settle for a fiber optic-based scope, or needed to piece together various components in order to capture pictures and video, you will definitely want to learn more about the feature-packed and ultra-portable VJ-Advance.

RF SYSTEM lab.

Fully Articulating Video Borecope With On-Board Image Processing!



**Ground-Breaking
Technology!**



Applications Include

- Aviation Maintenance
- Natural Gas Compressors
- Mud/Downhole Motors
- Gear Boxes
- Boilers/Heat Exchangers
- Chemical Plants
- Power Plants
- Paper Mills
- Wind Turbines
- Water Treatment Plants
- Large Diesel Engines
- Locomotive/Railway
- Corrosion Inspections
- Weld Integrity Inspections
- Heavy Equipment Maintenance
- Shipping/Marine
- HVAC
- Plumbing
- Manufacturing
- Building Inspection

Anywhere you need an eye but can't fit your head!



JOYSTICK ARTICULATION CONTROL

The VJ-ADV provides precise control of the articulating tip through the use of a thumb-activated joystick. This joystick responds to the slightest movement of your thumb and allows full movement of the camera tip 90° in all directions. Combined with a trigger-activated image capture button and thumb-activated video recording button, the joystick allows easy one handed control of all key functions.



Articulating Video Borescope



Features Include

- Joystick with 4-way articulation
- Built-in 3.5" LCD monitor
- 640 x 480 camera resolution
- 2X digital zoom
- Focal range: 15 mm to infinity
- Onboard photo & A/V capture
- Variable LED illumination
- LED Flash brightness option
- USB and RCA output
- MicroSD memory card
- Runs on 4 AA batteries
- Hard-shell carrying case
- Imaging software included
- Weighs 23 oz.



STAND-ALONE IMAGING UNIT

The VJ-ADV is an all-in-one system that combines an articulating video borescope with an on-board imaging system. As you conduct an inspection, jpg images can be captured with the click of your index finger. Another button next to the joystick allows you to start and stop a video recording. The intuitive control panel allows you to review stored images and video on the built-in 3.5" monitor. As an option, you can view and record images and video on a laptop via the USB port, or use a standard TV monitor plugged into the RCA output.



ADJUSTABLE BRIGHTNESS

The LEDs that illuminate the camera tip can be easily adjusted to one of four

different brightness levels, or they can be turned off. This feature prevents light washout and helps to always provide a clear image.



"AA" BATTERY POWERED

The VJ-ADV is fully portable and weighs only 23 oz., including the required four AA batteries. Run time is typically 1.5 hours before the batteries need to be replaced. Because off the shelf disposable batteries are used, there is no risk of down time waiting for a recharging cycle.