

BIPOL

Remote visual inspection solutions



BIPOL PRO B

High definition
modular
video boroscope

www.bipol.fr

PRO B

Industrial Videoscope

BIPOL PRO B videoscope is a light (0.6kg), compact fully portable system made of a high resolution 720P CMOS camera mounted on an articulated probe with 4-way articulation. Still images and videos can easily be recorded and stored on a 32GB micro SD card.

Probes can easily be exchanged in a matter of seconds, allowing you to use only one device for multiple inspections. The inserted pipes are waterproof, oil resistant and wear-resistant.

This videoscope offers great versatility and resistance to wear, qualities that make it the ideal instrument for your visual inspections.

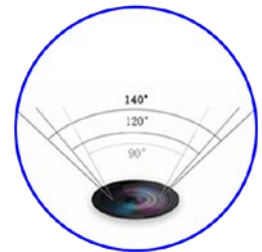
Interchangeable probes

Large 5.0" LCD screen

Long lasting Li-ion Battery



360° all-around articulation with joystick control.



Large field of view.

The Pro B is a modular videoscope that can be customized according to the inspection to be performed. Indeed, the interchangeable probes are available in several lengths and diameters, several directions of vision and types of lighting.

Please do not hesitate to contact us if you have any questions, doubts or if you need help with product customization.

Main Features

- 5.0" anti reflective LCD screen
- Interchangeable video probes
- Dual Camera - 0° & 90°
- 720P high resolution camera
- Li-Ion rechargeable and removable battery
- 360° all-around articulation
- Adjustable light intensity
- Reduced maintenance costs
- Tungsten braid 4 layers probe sheathing
- Robust IP67 construction

CUSTOMIZABLE PRODUCT A SOLUTION TO ANY SITUATION

Diameters, lengths and direction of vision

Available diameters are 2.8 - 3.9 & 6.0 mm. Working lengths allow inspection up to 8 meters (6.0mm).

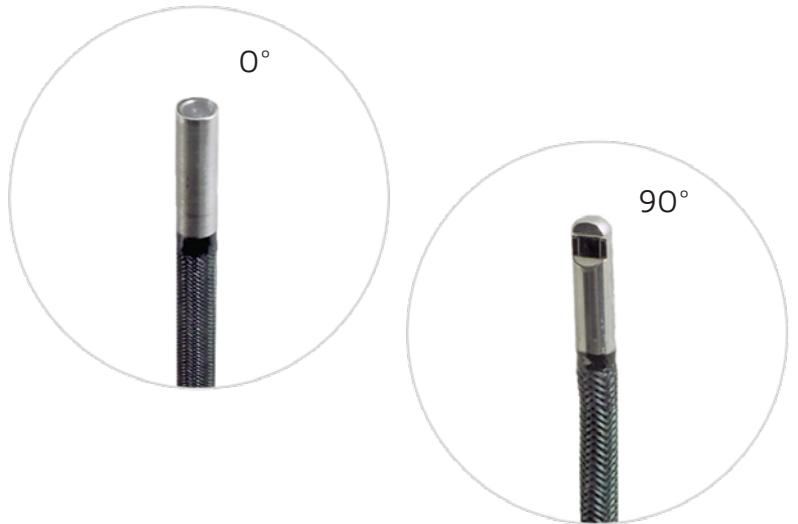
	2.8mm	straight view
	3.9mm	straight/side view
	6.0mm	straight view
	6.0mm	side view
	6.0mm	straight/side double lens
	6.0mm	straight/side variable lens

Small diameters are recommended to inspect the smallest areas such as heat exchangers, connectors, aviation components or airframes.

Large diameters are recommended to inspect pipes, turbine blades, combustion chambers, cooling tubes, and many more.

All our probes are available with either 0° or 90° direction of vision.

It allows side inspection on welding or tube integrity for example.



Dual Camera - 0° & 90°



2 cameras (front view and side view) on one probe.

The 0° and 90° dual vision probe allows you to inspect straight ahead and to the side, allowing full inspection of an area with one probe only.

The dual vision probe is available in diameter 6.0mm.

Switch instantly from one view to another thanks to the button located on the back of the videoscope.

CUSTOMIZABLE PRODUCT A SOLUTION TO ANY SITUATION

Easy probe change in seconds



The PRO B videoscope is the ideal equipment when probes of different diameters and working lengths are needed. You can easily replace probes of each diameter in a **matter of seconds** to suit many applications. It offers great flexibility.

Use a single device compatible with all our probes, avoiding clutter when travelling.

After Sales Service: Repair costs are adjusted due to the fact that repair estimates are based on price of spare video probes. When a probe is damaged during use, simply remove it from the videoscope and send it back to us. We have probes available on stock, so it can be exchanged for a new one **reducing maintenance downtime to 0.**

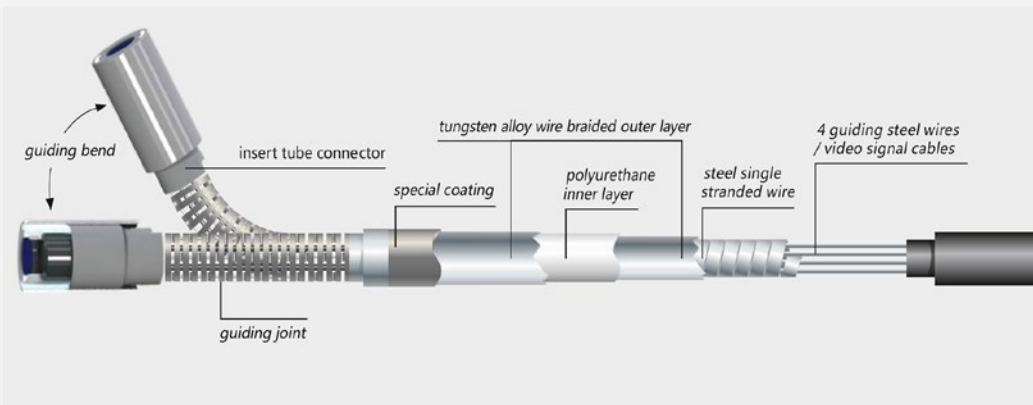
Bend protection

The probe has a bend protection which helps for greater durability of the probe.



Wear resistant video probe

The insertion tube is woven with tungsten alloy wire, which has a tighter braiding layer than the stainless steel wire insertion tube, which improves the wear resistance of the insertion tube by 20 times and effectively prolongs its service life.



Probes are IP67 rated

Waterproof, oil and anti corrosion resistant.



CUSTOMIZABLE PRODUCT A SOLUTION TO ANY SITUATION

Multiple illumination choices

Different types of lighting are available depending on the inspections to be carried out and your needs: a Fiber or LED illumination, an Infrared version available in diameters 3.9 & 6.0mm and a UV version available on demand.

Fibers or LEDs illumination

The PRO B videoscope illumination is provided by fiber optic which offers a more homogeneous surface lighting. Fiber optic has high brightness and good color rendering.

A white LED illumination version is also available.

Light intensity

Light intensity can be easily adjusted on 8 different levels.



Light intensity adjustment is done directly from this button.

Li-Ion battery



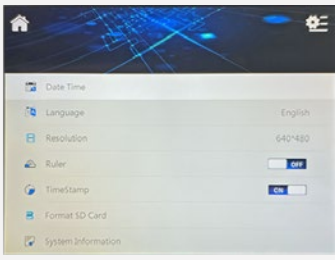
Our PRO B videoscope includes a removable and rechargeable battery with a maximum autonomy of 4 hours and a short charging time.

Easily remove the battery thanks to a button on the back of the videoscope. The insertion is also done easily.

The battery displays a green color when charged.

See the Invisible

FEATURES & BENEFITS COMPLETE INTERFACE



Complete setting interface: choose language, date display...



Zoom in and out. Can be adjusted from 1x to 5x.



You can rotate in real time the image 360° to have constant upright picture.



Images and videos are listed in a preview list with instant access for reviewing and editing.

High quality images and videos



TURBINE BLADE



WELDING

Record still images (JPEG up to 32 000) or video (MP4 up to 500 hours) in high resolution. Image and video resolution is up to 960x720 pixels.



HDMI video output



HDMI & Daylight display

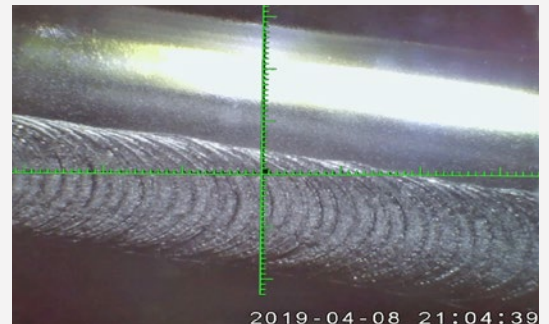
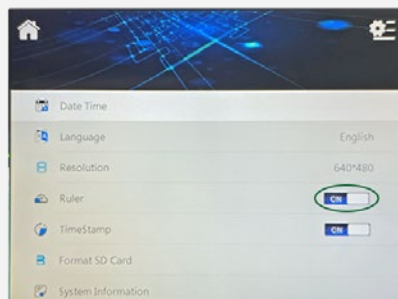
Connect the PRO B videoscope to any monitor with the HDMI cable provided for high resolution visualization of live images on a large screen.

The 5.0" LCD screen allows clear outdoor inspection in daylight without any reflection on the screen, for a clean and comfortable work.

OSD Ruler for measurements

It is also equipped with an on screen display Ruler on 2 axis.

This allows standard measurements of sizes of cracks in aviation maintenance, wear, weldings or corrosion for example.



FULLY EQUIPPED LIGHTWEIGHT & COMPACT VIDEOSCOPE

Case content

- 1 Robust, shock proof but light and easy to carry carrying case with fittings for all parts.
- 2 PRO B Videoscope
- 3 HDMI cable for connection to LCD external monitor
- 4 Micro SD USB card reader
- 5 Battery charger
- 6 Bipol cleaning kit



Some applications



INDUSTRY.

Maintenance inspections in food process, pharmaceutical or energy sectors. Welding integrity inspections on long distances. Gearbox, diesel engines.



SECURITY.

Inspect boots, car doors, boats for hidden merchandise, drugs or weapons. Ready in seconds, get a clear view of what is behind the door...

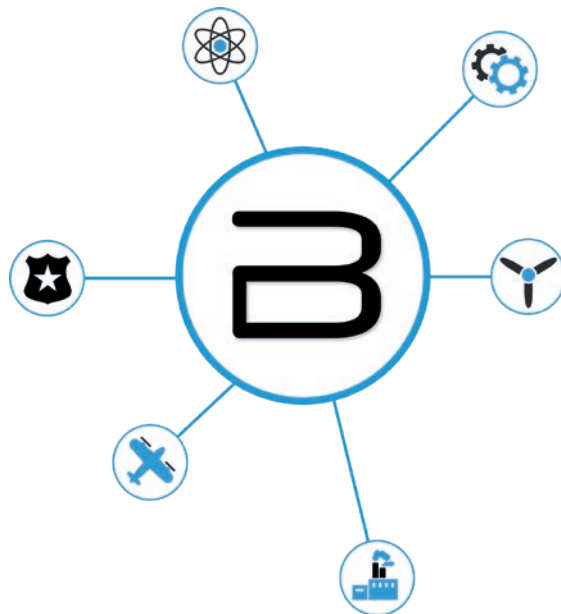


AVIATION.

Inspection of nacelle systems, helicopter or airplane turbines, blades, airframes or avionics in business jets and regional to long range aircrafts.

See the Invisible

Technical data	PROB 28	PROB 39	PROB 60
Screen	5.0" anti reflective for daylight use		
Camera diameters	2.8 mm	3.9 mm	6.0 mm
Working length	1.0 - 2.0 & 3.0 m	1.0 - 2.0 - 3.0 - 4.0 & 5.0 m	1.0 - 2.0 - 3.0 - 4.0 - 5.0 - 6.0 - 7.0 & 8.0 m
Articulation	4-way articulation	4-way articulation	4-way articulation
Camera resolution	160.000 px	720P	720P
Direction of vision	0° and 90°	0° and 90°	0° - 90° - Dual Camera
Field of view	120°	120°	120°
Focusing range	3-70 mm	8 -150 mm	12-200 mm
Illumination	Optical fiber bundle (1 to 3m)	Optical fiber bundle (1 to 6m) White LEDs (1 to 5m)	Optical fiber bundle (1 to 6m) White LEDs (1 to 8m)
Sheathing	Tungsten braid 4 layers		
Protection rate	Host : IP54 - Probe : IP67 (oil & water resist)		
Interface	Digital zoom x5 - Freezing - Image rotation - Video playack - Analog ruler function.		
Power supply	110-220 Va EU plug - US & GB adapters available		
Battery	Removable and rechargeable LI-ion battery (4 hours battery life)		
Connections	HDMI video output, Micro USB		
Recording	Micro SD card 32 GB		
Images	640x480 JPEG	640x480 JPEG	960x720 JPEG
Videos	640x480 AVI	640x480 AVI	960x720 AVI
Working temperatures	-10°C to + 60°C		
Videoscope dimensions	350*155*59mm		
Weight (without probes)	0.6 kg		
Warranty	1 year		



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