

RUGGED
HIGH RESOLUTION
VIDEOSCOPE



High resolution Video **boroscope** built to last



Reach a new dimension of Remote Visual Inspection...

The BIPOL Videoscope P1 is a high resolution lightweight portable video unit built to meet the needs of remote visual inspection in various applications. Its robust, water (IP67), dust and drop-proof (1.5m) construction allows operator to work in hard to reach and confined areas in harsh environments.



The intuitive control panel has been designed for both lefthanded and righthanded users.

The P1 videoscope accepts a large variety of interchangeable Video probes from Ø 2.8mm to 28mm with or without articulated Head to address specific inspection needs in different fields.

- The P1 videoscope is optimized for various industries -



Automotive
manufacturing



Police, Customs
& Armed forces



Aerospace



Machinery
manufacturing



Energy



Petrochemical



Pharmaceutical



Rugged Versatile Videoscope

Schock Proof...

The P1 videoscope heavy duty construction allows you to use it in any environments. Its rubber reinforced anti slipping side handles protect the P1 against unintentional falls up to 2 meters.



Your companion around the World...

The P1 comes with a universal charging kit with EU - GB - US & AU plug adapters. It also features a 12V car charger that will guarantee you continuous work wherever your location. The long lasting battery provides up to 6 hours runtime.



Extended Features...

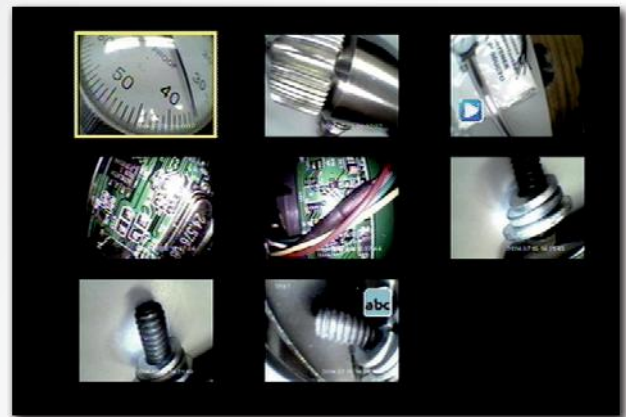


High Resolution Screen

The large 7" TFT Color screen offers a resolution of 800x480 pixels and delivers Sharp & clear images wherever you are located. Indoor or under the sunlight with the optional sunshield.

High Capacity Image Recording

Record up to **30 000** images or **500** hours of Video on the **32 GB** SD card. review files instantly with Our user friendly thumbnail file preview interface.



Full connections...

All connections are easy to reach. It includes a USB Connection for file transfer, a Video output for connection to a larger screen, a SD slot...

Text annotation

You need to produce reports. No problem. Use the virtual keyboard to record text on still images & videos. You can choose from either a pre recorded message or add your own data...



Multiple Video Probe Selection

Our P1 Videoscope accepts a large variety of robust, high resolution Video probes from **2.8mm** to **28mm** with length up to **30 meters**. They all offer Sharp images with strong LED illumination. Depending on application and probe diameter, we offer CF (Close Focus) & LF (Long Focus) Video probes. IR Video probes for discrete night vision inspections are also available...



Go further... P1 Accessories

Sunshield

For work in daylight under the Sun, you can use the optional Sunshield that screws to the P1 videoscope for optimal Sun protection. Once closed, it also protects the screen surface from scratches...



Wifi connection...

A 2.4 GhZ wifi handle Can be added to the P1 for wired free connection. It is compatible with all BIPOLE Video probes.

It will help you to inspect hard to reach areas.



... up to 30 m



What **we** deliver...

BIPOL P1-A SET.

The BIPOL Video boroscope SET P1-A includes all items which you will need to Start working. Just select additionnaly the probe(s) that you need for your application. Our P1 waterproof carrying case accepts all probes up to 5 meters with and without articulation. Longer probes and rigid probes are delivered in a separate carrying case.



The P1-A Set Includes.

- 1x P1 videoscope**
- 1x Universal power supply**
- 1x 12V car charger**
- 1x BIPOL Cleaning kit**
- 1x USB Cable**
- 1x Video out cable**

- 1x Micro SD Card 32GB**
- 1x SD Card Reader**
- 1x User manual**
- 1 x Neck harness**
- 1 x P1 waterproof carrying case.**

Some technical data...

Ordering information

Part No	Description
P1-A	Videoscope BIPOL® P1-A set In carrying case
P1-Wh	Wireless transmitter handle 2,4 Ghz for P1
P1	P1 videoscope alone with 32GB SD card and EU power cord
Accessories and spare parts	
P1-HAR	Hand free adjustable neckstrap - P1
P1-ALW	Universal power adapter set
P1-AL12V	12V power cord for P1 videoscope
P1-EXT-C	Curled extension cable 1m
P1-Pouch	Accessory Pouch P1
P1-Sun	Sunshield for BIPOL P1
P1-VAL	P1 waterproof carrying case with foam
B-C-KIT	Bipol cleaning kit

TECHNICAL SPECIFICATIONS

Screen Resolution	800x480 px
Screen Size	7.0" (178mm)
Construction	IP67 rated, water, dust & drop proof 2 meters
Wireless function	2.4 GHz - 30 meter
Interface	4X digital zool, image rotation 360°, text annotation
Battery runtime	up to 5 hours* * Depends on light intensity
Connections	Video out, mini USB, SD slot
Image & Video recording	Micro SD card 32 GB
Still Images	JPEG (30 000 max)
Videos	ASF format (500 hours) - 30 fps
Dimensions P1	230x160x60 mm
Weight P1	1.3 kg (2.2 Lbs)
Dimensions & Weight (carrying case) P1-A	600x460x220 mm - 7.0 kg
Warranty	Limited 2 Year

Accessories & spare parts



12 V car charger



Curled extension cable



Universal charging kit



P1 Pouch



Neck Harness



P1 Sunshield



P1 Wifi Handle 30 m



P1 waterproof case



BIPOL cleaning kit

At BIPOL, we carefully designed and thought our video probes to answer the needs of remote visual inspection in various industries and applications. Whether you need to inspect aeronautical parts with Our Small diameter 2WAY articulating probe Ø 2.8mm, Heat exchangers with our metal braided high sensitivity 20-30 meter probes or check for smuggled goods in cars or containers, we bring you the best adapted solution for your inspection requirement. Do not hesitate to contact us further for OEM probes or dedicated inspection kits.

Select **your** Video probe...

Video Probe type	Part No	Diameter mm	Working length (m)	Field of view	Focussing range mm	Articulation	Resolution pixels
Articulating Video Probes							
2 WAY articulating, metal braided probe	P1-2XF28	2,8	1 & 1.5	67°	10-50	2x180°	VGA
2 WAY articulating, metal braided probe	P1-2XF3	3,0	1 & 2	67°	10-50	2x180°	VGA
2 WAY articulating, PVC covering probe	P1-2XF4	4,0	1 & 2	67°	20-70	2x150°	300.000
	P1-2XF6	6,0	1,2 & 3	67°	20-70	2x150°	380.000
4 WAY articulating, PVC covering probe	P1-4XF4	4,0	1	67°	20-70	4x150°	300.000
	P1-4XF6	6,0	1 & 2	67°	20-70	4x150°	380.000
	P1-4XF8	8,0	3	67°	20-70	4x150°	380.000
2 WAY articulating, PVC sheath - Short tip	P1-2XF6-ES	6,0	1 & 2	67°	20-70	2x160°	380.000
2 WAY articulating, metal braided high sensitivity	P1-2XF4-HR	4,0	1 & 2	67°	20-70	2x180°	400.000
	P1-2XF6-HR	6,0	1,2 & 3	67°	20-70	2x180°	450.000
2 WAY articulating, metal braided Infrared	P1-2XF9-IR	9,0	1,2 & 3	67°	60-∞	2x180°	420.000
2 WAY rigid articulating probes	P1-2XR6	6,0	300,450 & 700 mm	67°	20-70	2x180°	400.000
	P1-2XR8	8,0	450 & 700 mm	67°	20-70	2x180°	400.000
Flexible non articulating Video probes							
High sensitivity PVC covering probe	P1-F39-HR	3,9	1,2,3 & 5	110°	10-50	-	400.000
PVC covering flexible probe	P1-F4	4,0	1,2,3,5 & 10	67°	20-70	-	300.000
	P1-F55	5,5	1,2,3,5 & 10	67°	20-70	-	400.000
PVC covering semi rigid probe	P1-SR55	5,5	1,2 & 33	67°	20-70	-	400.000
	P1-SR8	8,0	1 & 2	67°	20-70	-	400.000
	P1-SR12	12,0	1 & 2	67°	80-∞	-	400.000
	P1-SR16	16,0	1 & 2	67°	80-∞	-	400.000
Dual Vision 0° & 90° PVC covering probe	P1-FDUAL	5,8	1,2,3,5 & 10	67°	20-70	-	400.000
High sensitivity stainless steel braided probe	P1-FGM55	5,5	10,20 & 30	67°	20-70	-	450.000
Specialty video probes							
3 bars waterproof probe	P1-CW6	5,5	30	67	20-70	-	400.000
	P1-CW14	14	30	67	70-∞	-	400.000
Pipe inspection probe	P1-C28	28	30	67	70-∞	-	400.000
Extension video Pole	P1-EXT-P	28	1.2-4m	70	80-∞	-	400.000

Accessories for video Probes

Our video probes* accept in option mirror tips with FoV 70°/90° & 120°, magnets and Guiding ball. We supply them in sets or individually. Contact us for further information for probe compatibility.

(* except HR 3.9mm / DUAL-V / HRX 3.9mm / CW614 & C28)



Pi Among the many possible applications.....



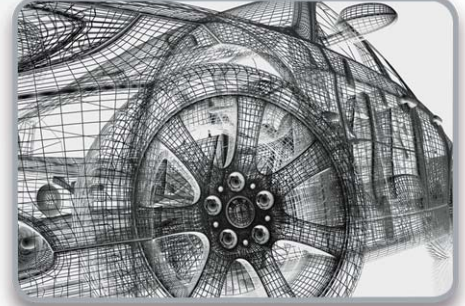
Police - Security - Customs

Contraband search in cars, trucks, boats. Night vision inspection of rooms, containers. Detection of drugs, merchandises or concealed weapons in ceilings, floors, hidden spaces.



Industry

Inspection of weldings, technical tubes, machines, engines, pipes. Industrial & offshore maintenance. Inspection of gaz bottles.



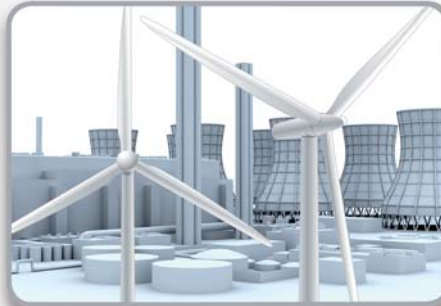
Automotive

Inspection of gearboxes, valves, running gears, combustion chambers. Detection of rust.



Bridges & structures

Structure inspection for humidity, cracks in bridges. Borehole inspection...



Energy

Inspection of tubes, heat exchangers, windmill gearboxes...



Railways

Inspection of running gears, diesel engines, service ducts, compartments...



Aerospace

Inspection of engines and turbines blades, frames, technical ducts...



+ 33 3 26 36 39 88

contact@bipol.fr



PI Videoscope
with articulating
video probe
Ø 2.8mm

PI Videoscope
with semi rigid high
light intensity video
probe Ø 12 mm





bipol Instruments &
Outils de précision

BIPOL SARL Capital de 40.000 €uro
IDTVA.FR39 383 172 707

Adresse Postale : BIPOL Sarl
3, rue saint rémi - F51430 BEZANNES FRANCE

TEL.+33 0 3 26 36 39 88 - **FAX.**+33 0 3 26 36 33 78
Site internet - www.bipol.fr - **Email** - info@bipol.fr