

iLED

Videoscope System



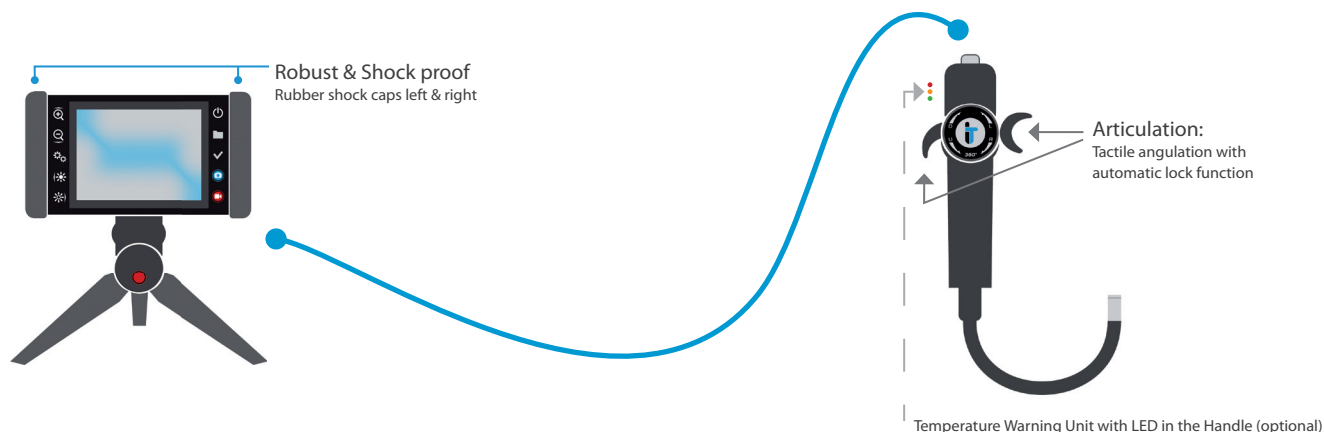
iCapture DVR



iLED Videoscope

- Documentation unit
- operable 24/7
- Possible to combine with all endoscopes
- High-resolution 5" LCD screen
- Image capturing, video recording
- Rechargeable battery operation
- Interchangeable video probes
- Operable by left/right handed users
- Excellent image quality
- Interchangeable lenses

- Integrated LED
- Ergonomic handle
- Precise articulation control
- Temperature resistant up to 140°C
- Variable video interface
- Compact and versatile
- Water & dust resistant
- easy to carry, easy to setup, light in weight
- compact case IATA standard
- Temperature Warning Unit (optional)



Operating unit

Display:	5.0" (12.7cm) TFT colour/nonreflecting
Operating system:	Real-time operating system, with on-screen menu
User interface:	Direct action keys / function keys / arrow keys
Languages:	English, German, Polish, French, Spanish, Italian, Turkish
Video interface:	Composite video-out (BNC)
Power supply, primary:	Rechargeable Li-ion battery Operating time more than 2h
Power supply, secondary:	12V adapter (optional accessory)

Documentation

Saving/recording:	Video recording Direct image capturing / Freeze modus
Video format:	MPEG4 (.avi) (with time and date stamp)
Image format:	BMP (.bmp) (with time and date stamp) Could be converted to JPG at PC
Storage:	SDHC memory card up to 32GB (FAT32) 8GB /SDHC in device when delivered

Measurement

Method	Comparative Measurement
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Camera control

Inegration modes:	automatic frame integration standard / manuell / short / long
White balance:	Factory default or user defined
AGC level (gain control):	Adjustable
Gamma:	Adjustable

Image control

Zoom:	16 step
Invert:	Horizontal and vertical image inversion
Brightness:	Adjustable
Contrast:	Adjustable
Colour:	Adjustable
Text annotation:	Built-in text overlay generator

Construction

Ergonomics:	rotatable display unit
System weight:	1,12kg
Dimensions:	205mm X 180mm X 70mm
Housing:	Rugged PU, with integrated rubber shock caps

Operating environment

System operating temp.:	-13°F to 115°F (-25°C to +50°C)
Storage temperature:	-13°F to 140°F (-25°C to +60°C)
Protection Class:	IP53
Relative humidity:	95% max. - non condensing

Probe

Sensor image:	High Resolution 1/6" Image Sensor		
Resolution:	total 752 x 582px / 440.000 pxls		
Diameter:	4.0mm	6.0mm	8.0mm
Working length:	4.9 - 13.1ft	4.9 - 13.1ft	4.9 - 13.1ft
Articulation (bending neck):	4-way / 360°	4-way / 360°	4-way / 360°
Integrated objective lens:	X	-	-
Interchangeable objective lens:	-	X	X
Side view tip adapter:	X (with 60° FOV lens)	X	X
Braid:	Multi-layer tungsten braid on PU jacket		
Interchangeable Objective Lens:	X		
Side View Tip Adapter:	X		
Braid:	Multi-layered tungsten braid		

Illumination

Tip:	High Power LED
Average lamp lifetime:	approx. 5.000h

Operating environment

Tip operating temperature:	-13°F to 176°F (-25°C to +80°C) (284°F/140°C less than 5 Minutes)
Storage temperature:	-13°F to 140°F (-25°C to +60°C)
Relative humidity:	95% max. - non condensing
Protection Class:	IP55
Waterproof:	Probe and distal end up to 14.7 psi (1 bar- 10.2m H2O) Hydrostatic head of 5 meters Probe and distal end to oils, saline (5%) and petroleum fluids
Resistance:	

Objective

PROBE	DOV	FOV	DOF	CODE
4.0mm	0°	60°	7-50mm	
4.0mm	0°	90°	15mm-∞	
4.0mm with SVTA (available)				

Interchangeable Objective

PROBE	DOV	FOV	DOF	CODE
6.0mm	0°	60°	5mm-∞	BLACK
6.0mm	0°	60°	8mm-∞	YELLOW-B
6.0mm	0°	90°	5mm-∞	RED
6.0mm	0°	120°	3mm-∞	GREEN
6.0mm**	90°	60°	5-15mm	SVTA-CF
6.0mm**	90°	60°	15-50mm	SVTA-FF
8.0mm	0°	28°	25mm-∞	BLUE
8.0mm	0°	60°	5mm-∞	BLACK
8.0mm	0°	60°	8mm-∞	YELLOW-B
8.0mm	0°	90°	8mm-∞	SILVER-B
8.0mm	0°	90°	5mm-∞	RED
8.0mm**	90°	60°	5mm-∞	SVTA



iRIS 7 PRO

Videoscope System



Technical data

iRIS PRO

Display size:	7.0"
Display resolution:	1280x800 pixel
Operating system:	EIOS (Endoscopic Imaging Operation System)
interface:	USB
Power supply, primary:	Rechargeable Li-ion battery
Power supply, secondary:	12V adapter (optional accessories)
Storage:	intern 16GB / USB (16GB in delivery)
Video format:	MPEG4 (.avi)
Image format:	BMP (.bmp), JPEG (.jpg), PNG (.png)

IMAGE ANALYSIS

Method:	Comparative Measurement
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ILLUMINATION

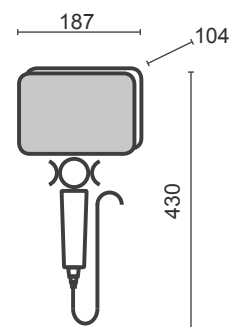
Typ	High-power LED with faseroptic High-power LED on the TIP (6mm X PRO)
Illumination control:	3 steps

OTHER DATA

Ergonomics:	± 90° rotatable display, alt. ±90° rotatable handle
Weight:	1.65Kg (+/- dependance on probe diameter and working length)
Dimensions:	430 mm x 187 mm x 104 mm
Housing:	Rugged PU with rubber shock protection
Tip operating temperature:	140°C less than 5 Minutes/ -25°C to +80°C
System operating temperature:	-25°C to +46°C
Storage temperature:	-25°C to +60°C
Relative humidity:	95% less than - non condensing
Waterproof:	Probe and distal End up to 1 bar- 10.2m H2O
Resistance:	Probe and distal End to oils and saline (5%)
Sensor	High resolution Super HAD CCD image sensor

PROBES (mm)	4,0	6,0	8,0
Working length (m)	1,0 - 4,0	1,0 - 7,5	1,0 - 7,5
Articulation (2-way/4-way)	4-way	4-way	4-way
Integrated objective lens	•	-	-
Interchangeable objective lens	-	•	•
Side view tip adapter	•	•	•

Probe	DOV	FOV	DOF	CODE
4.0mm	0°	60°	7-50mm	
4.0mm	0°	60°	4-10mm	SD
4.0mm	0°	90°	15mm-∞	
4.0mm	0°	90°	10-30mm	SD
4.0mm**	90°	60°	5-45mm	SVTA
6.0mm	0°	60°	5mm-∞	BLACK
6.0mm	0°	60°	8mm-∞	YELLOW-B
6.0mm	0°	90°	5mm-∞	RED
6.0mm	0°	120°	3mm-∞	GREEN
6.0mm**	90°	60°	5-15mm	SVTA-CF
6.0mm**	90°	60°	15-50mm	SVTA-FF
8.0mm	0°	28°	25mm-∞	BLUE
8.0mm	0°	60°	5mm-∞	BLACK
8.0mm	0°	60°	8mm-∞	YELLOW-B
8.0mm	0°	90°	8mm-∞	SILVER-B
8.0mm	0°	90°	5mm-∞	RED
8.0mm**	90°	60°	5mm-∞	SVTA



VIDEOSCOPE XT

Explosion Proof Borescope Camera



Since there are currently no videoscopes on the market that are intrinsically safe, or certified for NFPA classified Class 1 Division 1 locations, the military tested explosion proof Videoscope XT is the best option for inspecting hazardous environments, including areas with flammable fluids or gases, or tactical inspections of explosive devices. Tested under highly stringent MIL-STD-810G Method 511 in an explosive atmosphere. The Videoscope XT is great for fuel tank inspections, police and military applications, customs and border protection, power generation, aviation and gas turbine and NDT applications.

The Videoscope XT is a full set, with a built in monitor and integrated design. These units feature a great color CMOS camera chip with a small bend radius to access tight corners. The camera



chip has a 90 degree field of view, 4-way tip articulation of 120 degrees in each direction, 360 degree rotation, and easy one handed operation. The extra powerful LED light is located in the handle (so-called “cold light”). The live image is displayed on a large color 5” TFT monitor, with image and video captured to an SD memory card. These units also feature a digital zoom, text input for captured files, video output to an external monitor, onscreen image and color adjustments, and a rechargeable battery for portable use.



STRAHL™

The Videoscope XT is available in 4mm (0.16”) diameter probes with standard lengths of 1.5 meters (4.9 feet), 2 meters (6.5 feet), or 3 meters (9.8 feet), or in larger 6mm (0.24”) diameters with lengths from 1.5 meters (4.9 feet) to 7.5 meters (24.6 feet). Custom options are available upon request.

Please note that since there are no universal standards that cover all explosive environments, please double check your requirements to insure that this scope meets them.



Product Highlights:

- Professional grade video borescope
- Tested to MIL-STD-810G Method 511 (Explosive Atmosphere) Procedure I
- Working length from 1.5 meters (4.9 ft) up to 7.5 meters (24.6 ft)
- Diameter: 4.0 mm (0.16”) or 6mm (0.24”)
- High-resolution color CMOS camera chip, with 90 degree field of view
- Large integrated display (5.0”/12.7 cm) with VGA 640x480 resolution
- Built in digital zoom, text generation, and color adjustments
- Cold fiber optic light in the handle means no spark in explosive environments
- 4 way tip articulation with 360° rotation, with tight bend radius
- Rechargeable 6hr battery
- Up to 32,000 images or 500 hours of video on a 32GB SDHC card
- Hard plastic carrying case included
- Made in USA

Fiberscope.net by STRAHL is an official dealer of ITVS

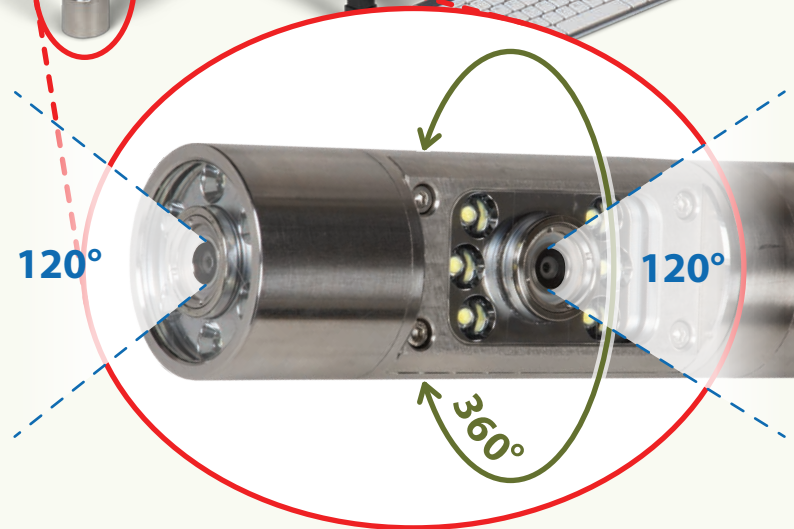
STRAHL Downhole Camera

STRAHL™

Portable system to perform high-resolution video surveys of boreholes to a maximum depth of 200m (656 ft.)



The STRAHL Downhole camera is well suited for inspecting various reservoirs, shafts, boreholes, tanks and other objects from the top down. It is equipped with a Ø45mm (1.77") dual camera head: one sideways camera with 360-degree rotation to right and left for thorough, informative footage of sidewalls, and a downward camera with a fixed wide-angle lens to view down hole.



The inspection system works with a Ø8mm flexible cable of 200m (656 ft.) length that can be securely coiled on a manually operated reel. The STRAHL Downhole Camera features a compact, splashproof control unit with a high-resolution 8" IPS LCD display. The inspection process can be viewed on the display right on-site, captured as snapshots, or as video files. All data can be saved on a memory flash.

STRAHL™



Technical Specifications:

45mm Ø Camera Head:

Panning feature	360° Endless rotation (slip ring)
Resolution	720P, 1.3MP
Sensitivity	0.01 Lux
Camera Head Size	45mm (diameter) x 422mm (length)
Camera Head Weight	2.4kg
Case material	Stainless steel
Light	6 Sideways LED Lights 6 Downward LED Lights
View Angle	120°
Waterproof Level	IP68, 30 bar in freshwater
Focus	Auto



8" Display Control Unit:

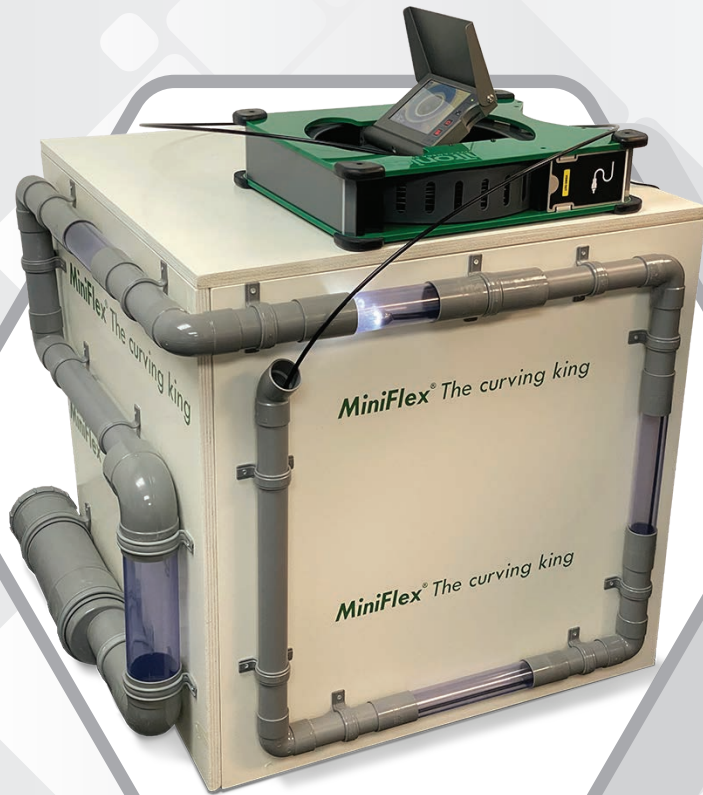
Size of the screen	8" IPS LCD Display
Resolution	1280 x 720
USB Wireless Keyboard	Yes
Audio Input	Built-in microphone
Storage	
Meter counter	Yes, digital (less than 1% error)
Ports	6pin video, 8pin depth counter
Power Supply	0500mA rechargeable Li-ion Battery Pack
Waterproof Level	IP65
Language	English, Espanol, Francais
Video format	MPEG2
Picture format	JPEG
On-screen Meter Counter	Yes

Cable Reel:

Cable	Flexible Twisted Pair Cable
Cable Length	200m (656')
Winch Control	Manual
Mechanical brake	Yes
Cable Diameter	8.0mm
Cable Color	Black

MiniFlex

Ultimate Maneuverability Plumbing Camera



The MiniFlex has been specially developed for inspecting narrow diameter pipes (from 1.25" to 4"). The bullet-shaped camera head and patented Flexi-tube neck make it easy to push the cable through several traps and 90-degree bends. In addition, the system is an entirely portable, all-in-one unit with no stand-alone elements.

Integrated Monitor

- 5.6" TFT LCD Display
- Image / Video Digital Recording
- Text Generator
- Portable Operation up to 7 hours
- On-screen Meter/Footage Counter



Integrated Push Cable and Camera Head

- Wide-angle lens (105° FOV)
- Patented Flexi-tube Neck Capable of P-trap in 1¼" pipe
- Ø 19,5mm (0,75") Detachable Camera Head
- Working Length: 20 - 40 meter(65.6 - 131ft.)
- Built-in 512Hz Sonde
- Waterproof up to 3 bars (100 ft.)



Technical Specifications

Push Cable with Camera Head

Camera head housing	Stainless steel
Diameter	0.76" (19,5 mm)
Viewing angle	105° diagonal
Lens	f=2,1 mm / F10.0
Focus	fixed
Glass	sapphire glass 1 mm
Camera	Color CMOS 400 TV-lines
Sensitivity	1 Lux
Lighting	12 white high power LEDs
512 Hz Sonde	Yes
Water resistance	3 bar
Cable	Combi cable Ø 5,5 mm diameter, 65.6' (20m) and 131' (40m) length (optional 30m length available)
Dimensions	395 mm x 470 mm x 107 mm
Weight (including DVR unit)	8.6 kg

Imaging HUB

Operating on battery	up to 7 hours
Power in	110V AC
Operating temperature	-10 ° C to 45 ° C
Storage temperature	-10 ° C to 60 ° C
Menu languages	Dutch / English / German / French
Display size	5.6 inch color
Video-out	Yes
Display resolution	640x480 pixels
Recording resolution	720x576 pixels
Storage	SD card (USB Adapter)
On-screen Text Generator	Yes
On-screen Date and Time Stamp	Yes
Portable Operation	up to 7 hours
On-screen Meter/Footage Counter	Yes



Pipe Camera ANACONDA HD

For All-around Cost-effective Inspections



Today, the ANACONDA HD Pipe Camera is one of the most affordable inspection systems with rotatable camera heads on the market. It provides the best image quality in ducts from 3" to 20" in diameter and up to 394ft. in length.

The ANACONDA HD features a simple, modular design and consists of a camera head, a reel with a push cable, and a control unit.

Control Unit with Monitor

Weatherproof, with a large digital monitor and intuitive control.



- 8" HD IPS LCD Color Display
- 280x720 Resolution
- Image / Video capture to USB stick
- On-screen Footage Counter
- Wireless Keyboard

Available Camera Heads

Interchangeable, Waterproof, HD Image quality, and Built-in Sonde

Dual View

- Built-in Straight View, and Side View Cameras
- 1024x768 Resolution
- Super bright LED Illumination
- 360° Endless Panning



Pan-and-Tilt

- Pan: 360°, Tilt: 180° Camera Rotation
- Advanced CMOS Image Sensor
- 1024x768 Resolution
- Superbright LED Illumination

Compatible Cable Reels

Sturdy frame, Easy to transport and operate



Mid Reel with Push Cable

- Working Length up to 197 ft.
- Compatible with Both ANACONDA Cameras
- Built-in Meter/Footage Counter
- Fiberglass push cable, Ø 7mm
- Waterproof, IP68



Large Reel with Push Cable

- Working Length up to 394 ft.
- Compatible with Both ANACONDA's Cameras
- Built-in Footage Counter
- Fiberglass push cable, Ø 11mm
- Waterproof, IP68



Downhole Reel with Flexible Cable

- Working Length up to 360 ft.
- Compatible with Both ANACONDA Cameras
- Built-in Footage Counter
- Reinforced Flexible Cable, Ø 6.5mm
- Waterproof, IP68



Technical Specifications

Control Unit

Size of the screen 8" HD IPS LCD
Display Resolution 1280x720, 16:9
Image / Video capture
On-screen meter/footage counter
USB memory stick to capture files
WiFi keyboard
Rechargeable Li-ion battery pack
Working time 4 Hrs (approx)

Cable Reels

Mid and Large Reels

Industrial Grade Steel Frame
Fiberglass push rod cable
Footage counter with "feet/meter" switch
Push Cable diameter $\varnothing 7\text{mm}$ / $\varnothing 11\text{mm}$
Push Cable Length 60m (196.8ft) /
120m (393.7ft)
Mechanical brake
Reel dimensions . 51x25x64cm / 70x28x84cm
Centering Skid
Optional Roller Skid for large diameter pipes

Downhole Reel

Cable diameter 6.5mm
Working length 110m (360')
Extension arm and digital meter/footage
counter
Mechanical brake
Centering Skid



Camera Heads

Dual View Camera

Camera Head Diameter 45mm (1.77")
Camera Head Length 107mm (4.2")
Dual Camera Heads Straight View, and
Permanent 90° Side View
Pan 360° Endless
Field of View 90°
Resolution 1024x768
Camera head Housing . . . Aluminum/Stainless
steel
Illumination . 6 Superbright LEDs (Straight) and
6 White LEDs (Side)
The brightness of the LEDs Adjustable
Remote Transmitter (512 Hz Sonde)
Waterproof IP68

Pan-and-Tilt Camera

Camera Head Diameter 50mm (2")
Camera Head Length 154mm (6")
Rotation Pan: 360°, Tilt: 180°
Image sensor 1/3" CMOS HD, 1.3Mp
Video system AHD PAL, AHD NTSC
(Support CVBS signal)
Camera head Housing Stainless steel
Illumination White LEDs
Brightness of the LEDs Adjustable
View Angle 120°
Focus Auto
512Hz Built-in sonde . . . 512Hz Built-in sonde
Waterproof IP68
Operating temperature 5°C - 50°C

Medit Inc. introduce the new Troglprobe PRO Line Inspection System as the ultimate in ruggedness, reliability and ease of operation. The simple, uncluttered appearance belies the features included or available such as integral solid-state video recording, full function text writer with meterage display, six-hour lightweight battery pack and mini-mainline ready controller. Coupled with well proven T800 Troglcam and flexible configuration possibilities, Troglprobe offers both a solid PRO Line inspection product with extensive potential for expansion.



Features and benefits

- Fast set-up. Flip up display, turn on and use.
- Light weight, base system only 17kg
- Flexible configuration. Can be reconfigured in seconds for flat or upright operation.
- CAD optimised design for minimum weight and maximum ruggedness.
- Low voltage or Power-Cell operation for maximum site safety and convenience.
- High quality aluminium housings machined from solid and sealed to IP67.
- Extensive future upgrade path up to minimainline level
- Well proven camera design
- Complete system is fully waterproof to IP67 allowing operation in all weathers
- Optional integral Digital Video Recording to CF card in universal MPEG4 format.
- Simple "VCR" style recording controls with "one touch" record and play.
- Fully compatible with Wincan reporting software. The Troglprobe is a Wincan approved system.



T804 Outline Specification

Mechanical

Dimensions

Length	540mm
Height	643mm
Width	302mm

Weight

Base System	17.0kg
Full System	18.5kg

Pushrod

Type	5 conductor Epoxy Glass Core
Max	Length 60m

Environmental Specification

Temperature	-20°C to +85°C (Storage) 0°C to +50°C (Operating)
Sealing	IP 67 (Collar) IP 68 11 Bar (Camera)
Emissions (EMC)	EN61000-6-4:2001 (Emissions) EN61000-6-2:1999 (Immunity)

Construction

Frame	Powder Coated Steel
Housings	Hard Anodised Aluminium

Electrical

Supply Voltage	10.8 to 14.6v DC
Power Consumption	15 Watts
Power Cell	88 Watt-hour Li Ion
Video Standard	PAL or NTSC (auto)
Display	5.6" LCD
Resolution	450 LPPH
Brightness	400cd/ft

Digital Recorder (optional)

Recording format	Digital to CF Card (MPEG4)
Recording capacity	60 mins per Gb
Recording resolution	640 x 480

Pipe Camera VIPER

Cost-effective and Versatile Inspection System



Affordable inspection system designed to deliver quality visual assessment of pipelines and ducts.

The VIPER camera has three main components; the camera head, the push cable on the reel, and the monitor set up in the carrying case.

Compatible Cable Reels

PVC coated fiberglass push cable on a metal reel, Built-in footage counter



Micro Cam Reel

- Working length up to 164.0 ft.
- Built-in camera with LEDs
- No sonde, No spring section
- Fiberglass push cable, Ø 5.5mm
- Waterproof, IP68



Handheld Mini Reel

- Interchangeable
- No sonde
- Straight view
- 6 built-in LED lights
- Waterproof IP68



Mid Reel

- Working length up to 196.8 ft.
- Compatible with all VIPER's cameras
- Built-in footage counter
- Fiberglass push cable, Ø 6.8mm
- Waterproof, IP68

Control Box

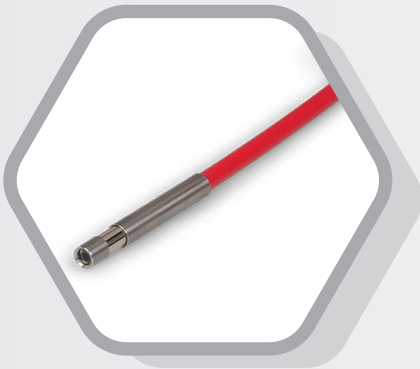
Portable design, ready in seconds on a jobsite.



- Waterproof carrying case
- 9" TFT color LCD screen
- Battery operated
- Image/Video capture
- On-screen footage counter

Camera Heads

Feature a sapphire lens-protected CCD camera chip and super bright LED



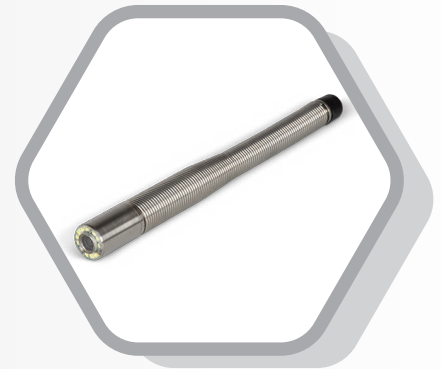
**Ø7mm (0.27") Micro
Camera Head**

- Not Interchangeable
- No sonde, No spring neck
- Straight view
- 4 built-in LED lights
- Waterproof IP67



**Ø 17mm (0.67") Mini
Camera Head**

- Interchangeable
- No sonde
- Straight view
- 6 built-in LED lights
- 90 Degree field of view
- Waterproof IP68



**Ø 23mm (1.0")
Standard Camera**

- Interchangeable
- 512Hz sonde available
- Straight view, Side view or Self-leveling
- 12 built-in LED lights
- 120 Degree field of view
- Waterproof IP68

Pair the VIPER camera with the 512Hz Locator for precise sonde pinpointing.



Technical Specifications

Control box

- 9" Color LCD monitor with video output, audio, file playback
- Monitor Picture Resolution . . . 800x480 pixels
- SD memory card slot
- USB memory stick slot
- Recording format AVI / JPEG (720x576 pixels)
- Power adaptor 110~240VAC, 12VDC/1800mA
- Rechargeable battery for portable use up to 3.5 hours
- Li-ion battery box (4400mAh)
- System Operating Temperature . -20°to 120°F
- Operating temperature - 20°F~ 120°F (- 28C°~ 50°C)

Camera Heads

- Camera Head Diameter . . 7mm (0.27"), 17mm (0.67"), 23mm (1.0") Straight view or Side view 28mm (1.1") Self-levelling
- Hi-resolution Color 1/4" CCD sensor with Sapphire glass lens
- No articulation
- Fiberglass cable
- 60° - 120° Field of View (FOV)
- 0° Direction of view (DOV), or 90° Side view
- IP68 Waterproof design of push probe and camera head
- Illumination white LEDs
- Special point touch connector to the camera
- Protective/centering skid (not available for 1" side view head)

Cable reels

- Special gold point touch connector to the camera
- 5.5 and 6.5mm Diameter Fiberglass cable
- Working length
- Micro Cam reel 20 meter(65.6'), 30 meter (98.4 foot), and 50 meter(164.0')
- Handheld Mini reel . . 20 meter(65.6'), 30 meter (98.4'), 40 meter (131.2')
- Mid Reel 40 meter (131.2') and 60 meter (196.8')
- Footage (meter) Counter
- Micro Cam reel No
- Handheld Mini reel Optional
- Mid Reel Yes





TROGLOTREK

Truly portable, battery-operated pipe crawler system

- ▶ The complete system is fully waterproof
- ▶ Reversing camera as standard
- ▶ Robust - crawler machined from solid brass and SS
- ▶ Optional WiFi connectivity for immediate reporting to customer
- ▶ Suitable for pipe sizes 4" to 12" and above
- ▶ Inclinator and auto-steering to avoid turn-over
- ▶ The complete system weighs only 57lb (26Kg)
- ▶ Locking Quick-Release wheel sets



Troglotrek battery-powered crawler system is available in the following configurations: Entry-level forward-view system with 4 inch and 6-inch wheel sets and a Standard system with 4, 6 and 8-inch wheel sets and Pan & Tilt Camera.

Both system configurations are supplied with the 984 ft (300m) cable on a drum with an auto-layering device, and a display unit with SD-card DVR, keyboard, and power cell.



Camera Specifications

Construction:	300 series stainless steel
Image Sensor:	Digital Clarity CMOS ¼
Resolution:	540 TVL lines
Sensitivity:	0.1 lux
Illumination:	Custom LED - Equivalent to 40W Halogen
Focal Distance (Focus Range):	20mm - ∞
Field of View	57 degree
Rotation:	Endless Panning/Tilting (285° useable)
Lighting:	Front: 1200 lumens (2 x high power LED (T812)), Rear: 1200 lumens (2 x high power LED)
Manual / Auto	Yes
Focus:	
Laser Measurement:	No

Image Sensor Protection: Scratch Proof Sapphire Crystal Lens

Waterproof: IP68, 11 Bar (160psi)

Rear view camera: Digital Clarity™ CMOS ¼", Horizontal Resolution 540 TVL lines, Focus: Fixed 100mm to ∞



Crawler Specification

Body Construction:	300 series stainless steel and Brass CZ121
Battery mission time:	> 4 hrs (cameras/lights) 2 to 3 hrs operating time:
Drive:	Four-wheel drive. Steerable
Linear speed:	0.5m/s (150mm configuration)
Linear pull:	10kg (100mm configuration)
Connectors:	Custom spring loaded with pressure valves
Dimensions:	Length: 310mm with T812 Camera, Width over small wheels: 82mm, Height: 71mm
Wheels	4" wheel set 6" wheel set 8" wheel set optional for Entry Level Set
Built-in Sensors:	Inclinometer (to measure angles of slope) Internal Pressure monitor
Waterproof:	IP 68
Weight:	5.7kg to 15kg (configuration dependent)

33Hz Transmitter
(Sonde):

Yes, Built-in. Detection depth 3m – 5m
depending on material



Control Unit Specifications

Construction:	IP67 Waterproof machined housing
Monitor:	5.6" LCD
Navigation and Control:	Integrated keyboard
Memory:	Digital recording to SD Card (MPEG4/JPEG)
Software:	WinCan compatible
Footage (Meter)	Yes
Counter:	



Cable and Drum Specifications

Tether:	Lightweight 2 Core twisted pair, Vectran strength member, Kevlar reinforced
Wet Cable End:	Stainless Steel
Cable Diameter:	4.0mm
Tether Strength:	Minimum breaking strength 2.5kN calculated weight 19kg/km
Working Length:	300m (984ft)
Reel Construction:	Tubular steel frame, solid aluminum housings
Built-in meter-counter:	For distance measurement display

Temperature: -20°C to +85°C (Storage), 0°C to +50°C (Operating)