STANLAY™

Mitcorp

AUTO EXPOSURE

Take Your Inspection to New Levels
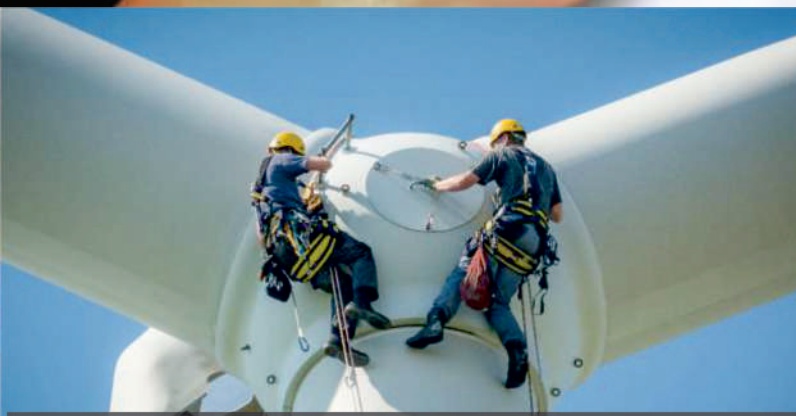
Cutting edge technology Industrial Videoscopes / Fibroscopes for Inspection of :
Automotive. Aircraft. Aerospace. Process Industries.
Power Generation . Wind turbines. Boiler Inspections.
Construction. Security / Rescue.

Quality in Construction. Delivered.

Industrial VideoScope | X2000

STANLAY™

Clearness | Sharpness | Brightness

High Performance Industrial HD Video Borescope for demanding customer who need Articulated probes with **Flexibility** and power on the go. X2000 is lightweight, rugged and provides **high-resolution images** and **advanced imaging functions** that allow workers to fulfill their tasks in **even the most challenging environments.**

The X2000 High performance HD videoscopes are in association with MITCORP, Taiwan-used by worlds leading companies who require inspection of complex or technical applications with super resolution videos & photos

100°C Resistance Camera tip
Dual Light Sources
High Quality Lens

Heat Resistant Camera Tip

High Durability-Long Life
Temperature & Scratch Resistant I Tungsten Braided Probes
4 Way Articulating Probes

Choose from dual view probe or front view probe options featuring a protective **tungsten-braided outer layer**, **enhancing its durability and longevity**. The robust and dense tungsten construction significantly extends the probe's lifespan, making it **waterproof**, **heat-resistant up to 100°C**, and **resistant to scratches and corrosion**. With an **IP67** rating, it is also **operable** when exposed to machine oil, etc, ensuring reliable performance in various challenging environments.

Industrial VideoScope | X2000

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X2000 Controller Console Product Characteristics
Designed for portability & Versatility

| **Efficiency**	**Durability**	**Quality**
The X2000 features robust file management and annotation tools, aiding technicians in capturing images and videos for maintenance documentation.	Videoscopes must be durable in harsh conditions. Our IP67 tungsten probes withstand abrasion and heat, while the X2000 console offers IP54 and military-standard protection.	Especially in highly complex or technical applications, videoscopes need to take sharp images even in demanding environments, such as shiny metallic or oily surfaces.

- **7" LCD touchscreen**
- **Innovation Screen Share**

- **heat resistance of up to 100 degrees**
- **Drop resistance of up to 1m in height.**
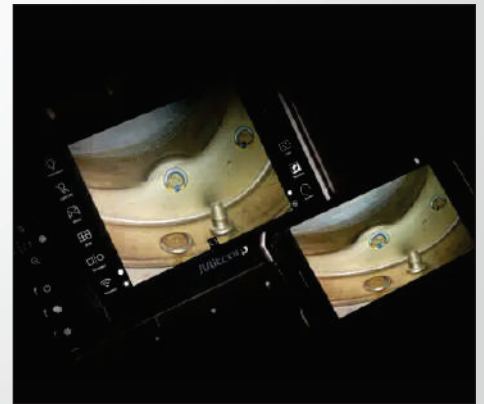
- **super-resolution images (2560*1440)**
- **high-quality videos (1920*1080)**

Ergonomic :
- Lightweight Control Console : Only 1.2kG
- Shoulder strap & roll up tubes
- Interchangeable probes & batteries
- One-Handed operation
- Detachable 5" screen on module
- Custom Button on Joystick

Connectivity :
- Wi-Fi, HDMI, USB type C output supported
- Videoscope Mobile App for remote viewing
- GPS mark on photos

Additional Camera :
- Backside camera with GPS for capture of object being inspected , for records.
- Backside LED flashlight function

Report Generation Software - Productivity :
- SESSION/TAG Image Storage Settings
- Comprehensive Photo Annotation Function
- Report Assist Software
- New launched "Insight" report generation & GPS Mapping Software. (Optional)

True Sight :
- Super Resolution
- Fine Image Quality
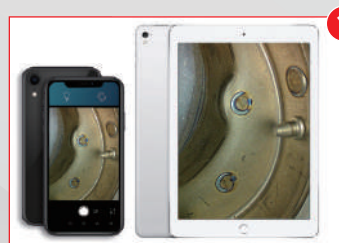- Advanced Imaging Functions

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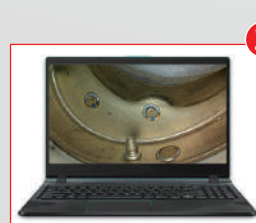
Connectivity
Benefit from Multi-Connection Solutions

Versatile Output Connectivity Options: **View & Share Pictures or Videos**

①

②

Wi-Fi

③

④

Use Wi-Fi & mirror viewing on Tablet
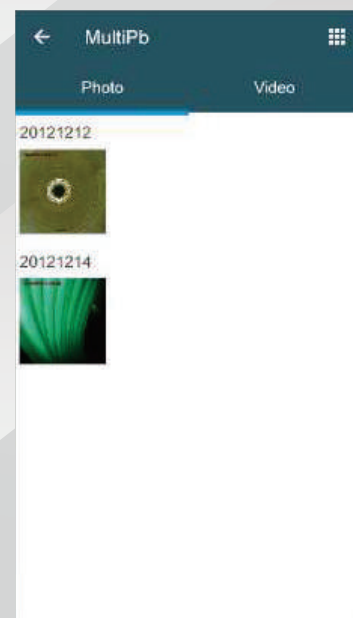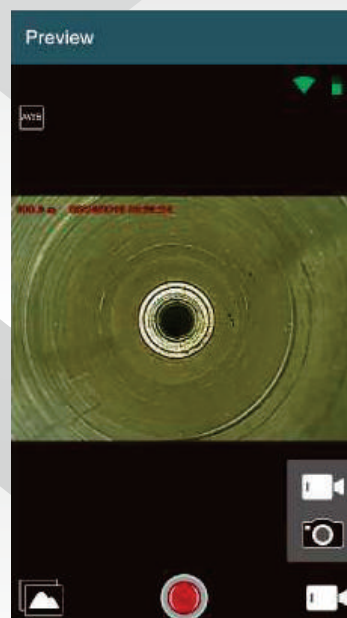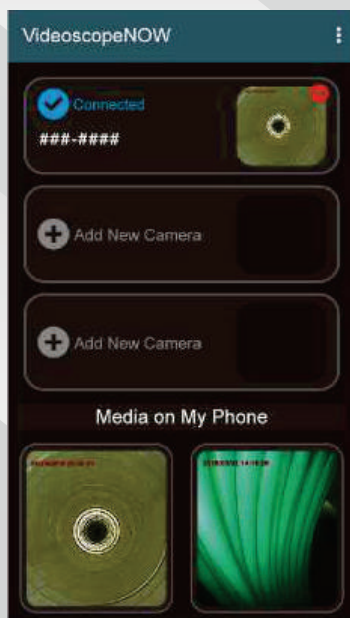
Use SD Card

USB Type C Connectivity

HDMI Probe to TV view HD quality images

Comprehensive Solutions

Controllable Via App
The X200 can link with mobile devices via the Videoscope Now Mobile App. The app lets you control the X2000 remotely and download photos and videos onto your device.

Download on the App Store

GET IT ON Google Play

VideoscopeNOW

Connected
###-####

Add New Camera

Add New Camera

Media on My Phone

Preview

MultiPb

Photo   Video

20121212

20121214

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Best Image Viewing Experience
The X2000 features a 7 " LCD touchscreen the delivers not only crisp and clear images but also features a manual exposure which works very similar to that of a smartphone. This makes it not only very helpful but also very convenient to use.

Excellent User Interface
A vast range o f different functions ensure the best user experience, catering all your individual needs for your next inspection.
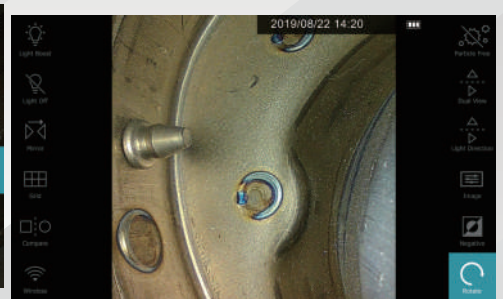

Manual exposure by Fingertip

Front/SIde Dual view once (with mirror)
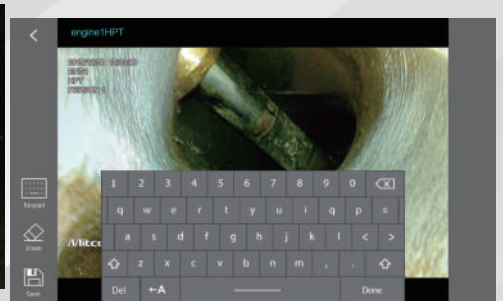

Supports image sharpness fine tuning

Rotate the live view clockwise to get visual angle

3 Stage temperature warming & auto shut down function

Patented particle free effect (with mirror)

Editable image annotation

FOV: Wider Than Ever Before
The enhanced field of view (FOV) based on HD lenses allows you to see in a wider angle than ever before. Especially in combination with the shorter probe tip and the large articulation angle of our probes, it allows for a comprehensive inspection during which no flaw will remain undetected.

DOF (Depth of Field)
The depth of field (DOF) needed for an inspection, can vary depending on the application field for your videoscope. Airplane turbines for example need a different focal length than the engine block of an automotive. Mitcorp offers a variety of different focal lengths to fit your needs.

2560*1440 output by 6.0 mm HD probe (30 mm distance)

1600*1600 output by 3.9 mm HD probe (30 mm distance)

2560*1440 output by 6.0 mm HD probe(10 mm distance)

2560*1440 output by 6.0 mm HD probe (10 mm distance)

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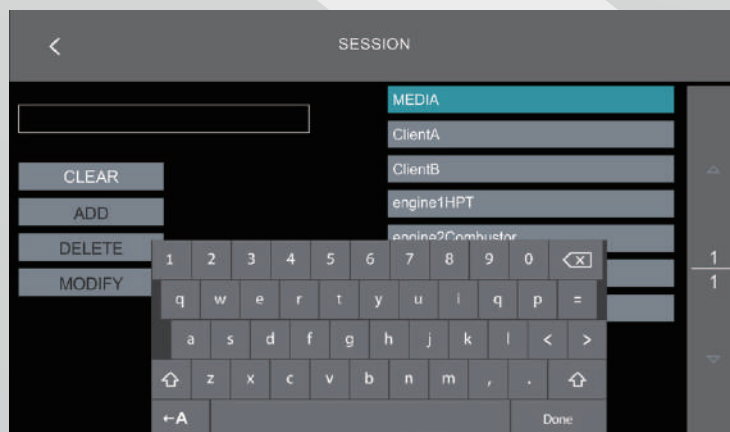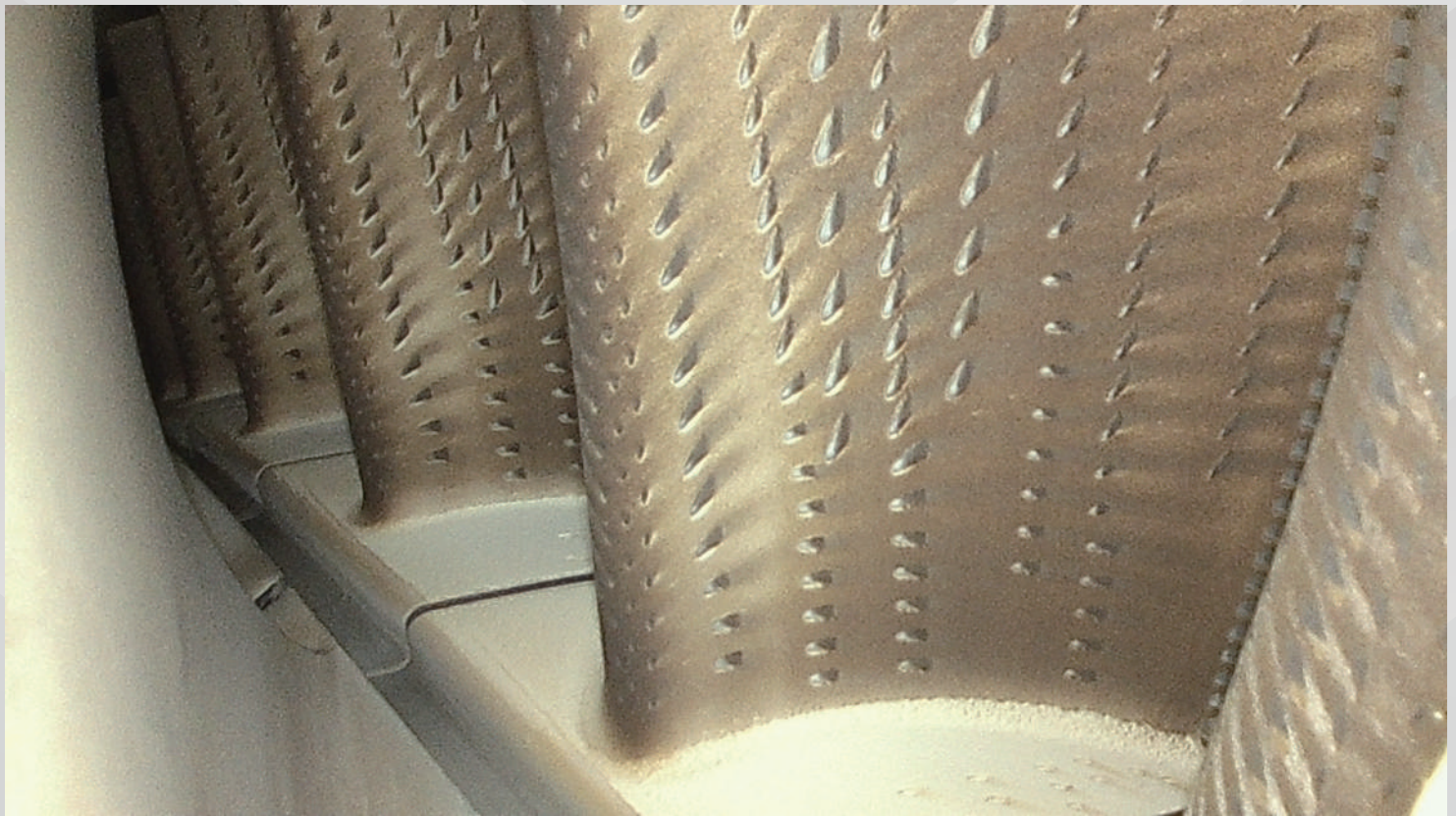## Clearness | Sharpness | Brightness

Advanced File Management: Productivity

The X2000 HD offers a file management system which allows you sort your footage into folders, to tag them and to add notes or annotations. This makes keeping track of all your inspections easy and convenient

The X2000 HD videoscope is a perfect companion for this challenging task. In this case the X2000 system was used in combination with one of our 6 mm articulation probes. Not only does this combination provide high quality videos but also outstanding image quality of 2560*1440 pixels.
Optional small diameter of 3.9 mm and the 120° field of view as well as the 140° bending angle allow the technician to move the probe freely within the area to be inspected.

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Specifications :

X2000 Control Console Unit	
Display	7" LCD / 1024*600
Batteries / Power supply	Li-ion Rechargeable 9800mAh / 100V~240V, 120V 2.5. 50-60Hz
HDMI	TYPE D; HDMI 1.4 transmitter with 3D format and CEC support
USB	USB TYPE C, supporting USB full-speed and high-speed data transmission
Wi-Fi	IEEE 802.11B / G
Water Resistance / Drop Rating / RH	IP57 / 1m / 95% RH
Operating / Storage temperature	In air 0~45°C, with AC p0wer adapter: 0~40°C, charging temp:0~35°C / -10°C~70°C
Insert tubes interchangeability	6.0 mm HD series; 3.9 mm HD series; 2.8 mm
Software features	
Image features	Digital zoom 3X, 10 steps brightness control
Image effect	Clarity-on / off
Annotation	10 text annotation (24 characters)
Timestamp / watermark	For snapshot / video recording (on / off)
Image management	User define pic / video folder available
Image display functions	Light boost, light off, mirror, grid, compare, wireless, particle free, dual view, light direction, auto white balance
White balance	Manual adjustable (default, calibration, custom)
Recording management	
Storage media	SDHC micro card
Overlay	YY / MM / DD h:m, battery capacity
Thumbnail image display	9 grids album mode
Image Resolution	2560*1440 (S-HD); 1280*720 (HD)
Images Recording format	.jpg
Video Resolution	1920*1080
Video Recording format	.mov / H.264
Video Audio input	Built-in microphone (on / off)
Frame rate	30FPS

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True Sight : 360º Articulated Probes

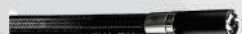**Bending Angle upto 140º. Super Resolution & Fine Image Quality**

Probe options : Configure your X2000 with probe meeting your application requirement

6.0mm Probe (front view)=Still image & video output resolution:2560x1440

3.9mm Probe (front view / Dual View)=Still image & video output resolution:1600x1600

2.8mm Probe (front view)=Still image & video output resolution:800x800

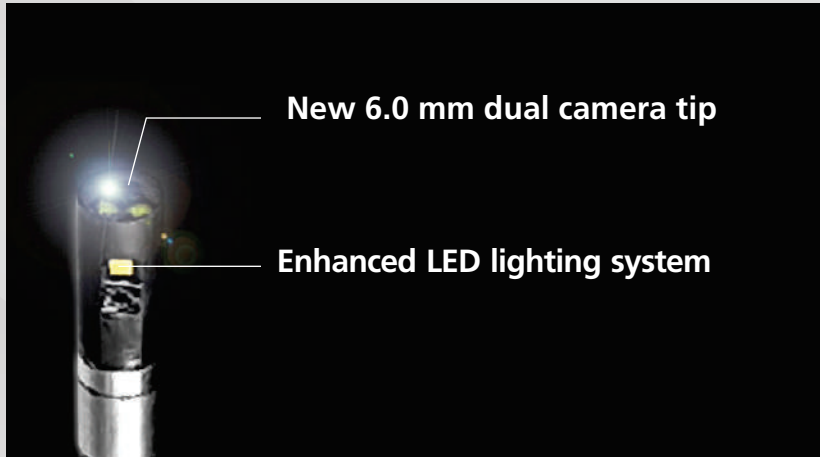| Models Options	60D4W-F_TU-M	60D4W-F_TU-F	60D4W-FS_TU-M	39D4W-F_TU-M	39D4W-FS_TU-M	28D4W-F_TU-M
Probe head diameter	6.0 mm			3.9 mm	3.9 mm	2.8 mm
Probe length	2 m / 3 m / 5 m / 7 m		2 m / 3 m / 5 m / 7 m / 10 m	1.5 m / 3 m	1.5 m / 3 m	1.5 m
Probe head length	19.3 mm		2 m / 3 m: 21.5 mm 5 m / 7 m / 10 m: 24.4 mm	13 mm	21.6 mm	10.1 mm
Direction of view	Front view		Dual View Front + Side	Front	Dual View Front+Side	Front
Illumination	Front LEDs		Front / side LEDs	Front LEDs	Front / Side LEDs	Front LEDs
Field of view (FOV)	90°		95°	120°		
Depth of Field (DOF)	10 mm~100 mm	25 mm~∞	2 m / 3 m: Front: 8 mm~∞ Side: 7 mm~∞ ——— 5 m / 7 m / 10 m: Front: 8 mm~∞ Side: 5 mm~200 mm	5 mm~100 mm	5 mm~100 mm	3 mm~∞
Still image resolution (.jpg)	2560*1440 (S-HD)		(Dual) 2560*1440	1600*1600	(Dual) 1600*1600	800*800
Video resolution (.mov)	1920*1080		(Dual) 1920*1080	1600*1600	(Dual) 1600*1600	800*800
Articulation angle	2 m / 3 m: full ways ≥ 120° 5 m / 7 m / 10 m: full ways ≥ 80°			Full way >140°	Full way >120°	Full way >110°
Operating temperature	In air: -10~100°C ; In water: 10~30°C					In air : -10~80°C In water: 10~30°C
Temperature rating	100°C temperature resistant with 3 level warning at 60°C / 80°C / 100°C					
Probe head material	Stainless Steel					
Probe material	Tungsten braid					
Joystick console dimensions	(WxDxH) 139.4x193x84.2 mm (w/o SR and insert tubes)					
Joystick console buttons	Brightness+, Brightness-, snapshot / record					
Lock and move	Joystick / Unlock switch on console					
Dust and water proof / RH	Joystick console: IP54 ; Insert Tube: IP67 / 95%					
Liquid resistance	Operable when exposed to machine oil, light oil or 5% saline solution					

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6.0mm Dual View Camera | 4 Way Articulating

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Front Camera

Side Camera

New 6.0 mm dual camera tip

Enhanced LED lighting system

Dual Front & Side Camera
Dual LED Setup

Dual Front & side camera with light distribution crucial to avoid glare spots and reflections. For that reason, the side view camera has two LED light sources, one below and one above the camera lens, allowing for evenly distributed light in any situation.
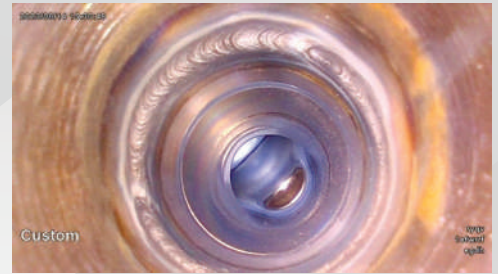
Clear Vision & Sharp Photos

Nothing is more important than to have a clear view and sharp images during an inspection. That is why the 3.9 mm dual view boasts two powerful cameras that will give you a perfect overview and leave no flaw undetected.

- HD resolution
- Wide FOV of 120°
- DOF of 5 mm~200 mm

## High-resolution images and videos

Great mobility. Outstanding flexibility. Stunning results.

Rugged & Durability

- IP67 waterproof
- 100°C resist & High temperature warning
- Unyielding to scratches and corrosion

IP67 waterproof

100°C auto-shutdown

TEMPERATURE WARNING

21.6 mm

Scratch Resistant Tungsten Braids

Sensitive mechanical control articulation

Full way articulation with lock design, mechanic wiring joystick brings you instant feedback and precise angle control.
21.5 mm short tip length and bending radius make your surrounding inspection job extremely comfortable and efficiently.
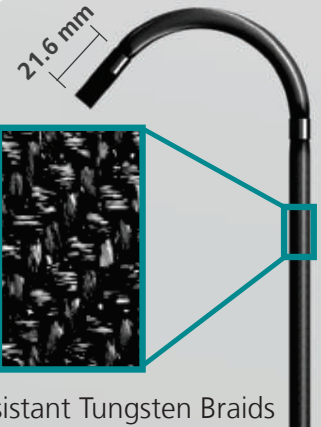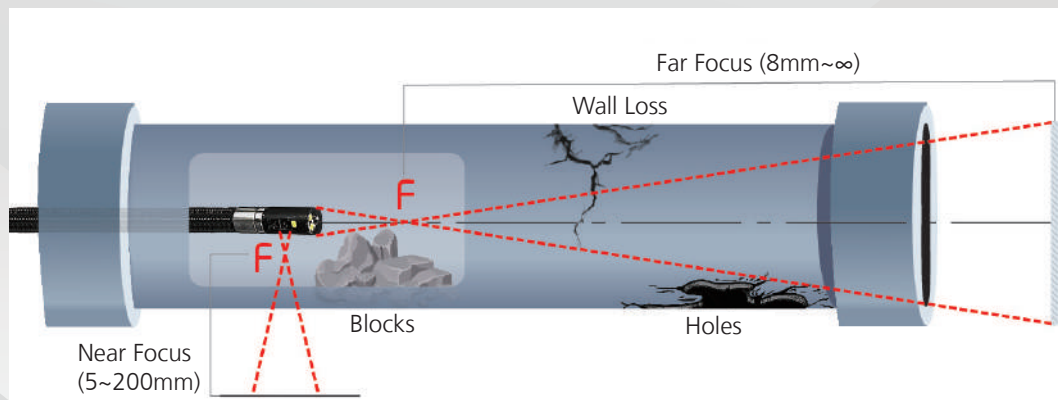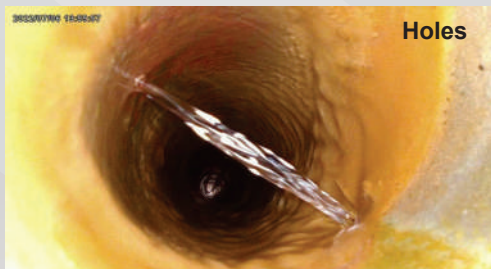
Industrial VideoScope | X2000

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Clearness | Sharpness | Brightness

6.0mm Dual View Camera | 4 Way Articulating

Optimized Probe Tip Optical Design

Far Focus (8mm~∞)

Wall Loss

F

F

Near Focus (5~200mm)

Blocks

Holes

Long-length probe (5 m/7 m/10 m) tip's sophisticated DOF and FOV Optical design dedicated to tube inspection needs.

Holes

Blocks

Wall Lose

All length by demand

2 m

3 m

→ Standard Length

5 m

7 m

→ Long Length

10 m

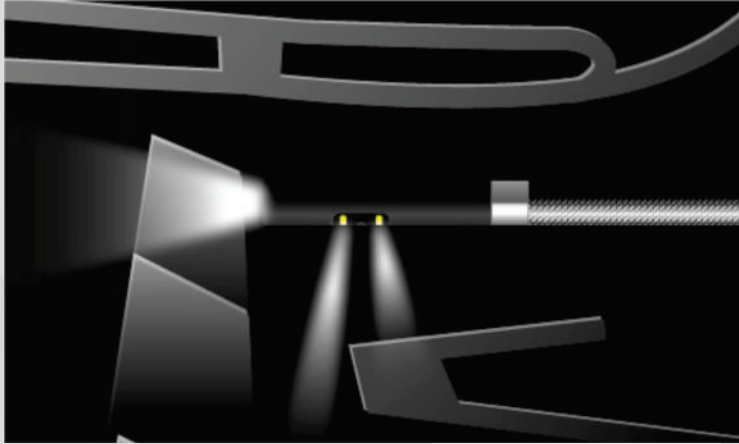**For all purposes inspection especially long tube objects like heat exchangers.**

Industrial VideoScope | X2000

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Clearness | Sharpness | Brightness

3.9mm Dual View Camera | 4 Way Articulating

Front Camera

Side Camera

Dual Front & Side Camera
Dual LED Setup

Dual Front & side camera with light distribution crucial to avoid glare spots and reflections. For that reason, the side view camera has two LED light sources, one below and one above the camera lens, allowing for evenly distributed light in any situation.

Clear Vision & Sharp Photos

Nothing is more important than to have a clear view and sharp images during an inspection. That is why the 3.9 mm dual view boasts two powerful cameras that will give you a perfect overview and leave no flaw undetected.

• HD resolution
• Wide FOV of 120° (Dual View Probe) / 140° (Front View Probe)
• DOF of 5 mm~100 mm

Front View   **Side View**

Ø 21.6 mm

Scratch Resistant
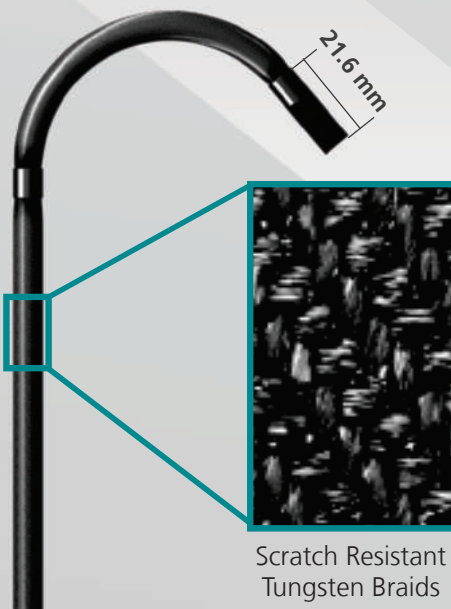Tungsten Braids
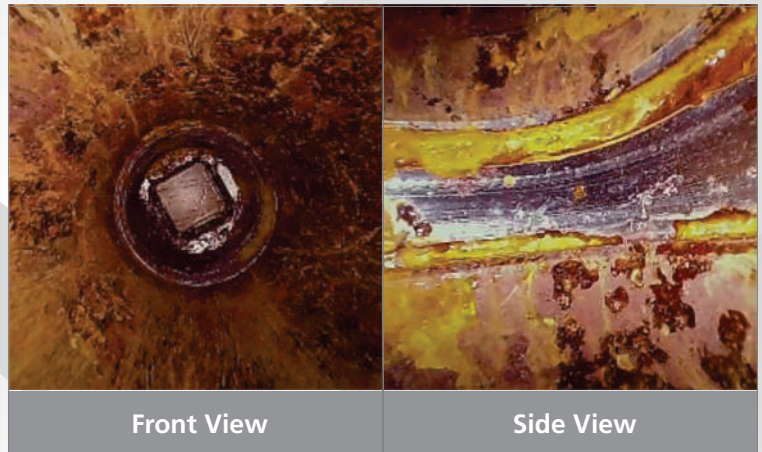
Maneuverability & Precision

Our insertion probes are made to get to even the hardest-to-reach places, and the 3.9 mm dual view is no exception. It is highly flexible and small enough to reach your next inspection target with maximum efficiency and minimal effort.

• 3.9 mm probe head diameter
• 4 Way articulation
• Mechanical wiring (instant feedback & precise movements)
• Articulation up to 120° (or 140° for single front view probe)

Tungsten Reliability

The 3.9 mm dual view probe has a protective tungsten braided outer layer. The strength and density of tungsten extend the probe lifespan significantly and make it waterproof as well as heat and scratch-resistant.

• IP67 level waterproof and oil proof
• 100°C heat resistance
• Unyielding to scratches and corrosion

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2.8mm digital front view 1.5mm Probe | 4 Way Articulating

Bright & Clear Images

Inspect the smallest of bores and pipes with 2.8 mm scope does not compromise between high image quality for a small diameter. Expect sharp & clear images. The bright LEDs let you see clearly in dark spaces, and the wide FOV offers a great overview. And no more blurry images, thanks to the 3 mm - ∞ DOF range!

- Resolution: 800 * 800
- FOV: 120
- DOF: 3 mm ~ ∞
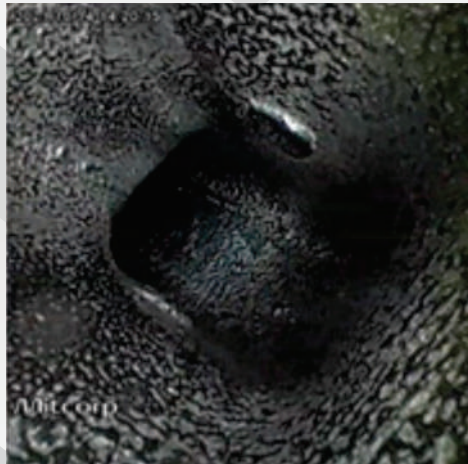

Precise Movements:

A short distal-end and four-way articulation ensure precise movements! Thanks to the small diameter, the bending radius is also small and allows you to reach your inspection target even in confined spaces.
- 4 Way articulation
- 110° bending angle
- 10.1 mm probe head length

Tungsten Durability

The 2.8 mm dual view probe has a protective tungsten braided outer layer. The strength and density of tungsten extend the probe lifespan significantly and make it waterproof, heat and scratch-resistant.
- Tungsten-braided outer layer
- IP67 level waterproof and oil proof
- 80°C heat resistance
- Unyielding to scratches and corrosion

Scratch Resistant
Tungsten Braids

10.1 mm

Industrial VideoScope | X2000

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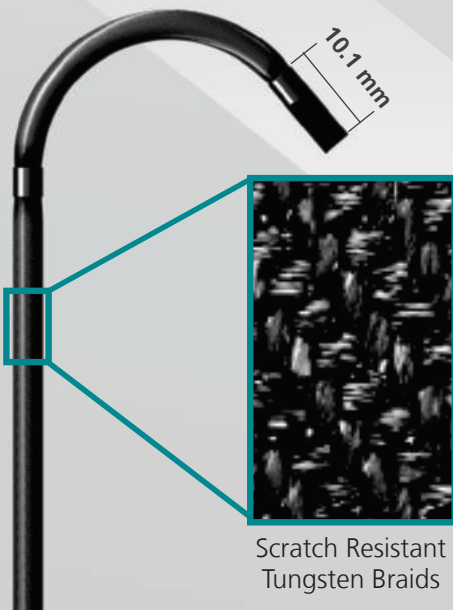
Clearness | Sharpness | Brightness

Each X2000 Kit Container:
X2000 Control + Selected Articulated Probe Option, with the following accessories:

1. Monitor
Quickly removable batteries; that provide 3 hours of operating each. 2XBatteries provided

2. Probe Adapters: The X2000 comes with a side View and Dual View Mirror adapter as well as a pin adapter for measurements.(Only for 6.0mm probe)

3. Accessory Box:
A variety of different power adapter are available to recharge your X2000. A mini-HDMI cable, EMI core* 4 (detachable for USB or HOMI cable's connector ends), a cleaning Kit are part of the package.

4. Rigid Sleeve:
Rigid sleeve are available for 6.0mm and 3.9mm probes. Each rigid sleeve comes with and additional extender for the sleeve.

5. Neck Strap:
The X2000 comes with a detachable neck strap that can be easily attached or detached.

6. Hard Carry Case:
Hard Carry Case is dust, and waterproof. it is rgged and ensure that your X2000 stays safe during your travel or movement of equipment within your industrial areas.

Image Measurement Software & PC Software for remote viewing through USB: is included as part of package.

240 mm

154 mm

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154 mm

47 mm

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• Lucknow • Patna • Bhubaneshwar • Guwahati

Sales Channel Locations: • Chennai

Catalogue Version : ST/X2000/2024-25

www.stanlay.in

Quality Management System
ISO 9001: 2015
 # 1-QSC202101102

BQC ASSESSMENT

IAS