



ADRONIC

愛德羅尼克內視鏡

Endoscope System

For A Better Inspection Scope



Company Background 公司簡介

Adronic Instrument Manufacture Co., Ltd is a specialist in research and development, manufacture, and sale of endoscope system. Our mission is providing most advanced, high-quality, high performance, and easy to use endoscope system with reasonable price to our customer. Base on mould manufacture background and inherited Germany perfect technology, Adronic has cooperated with numbers of research institutions, Russian military, and worldwide hospital and medical center to develop high quality endoscope devices. Through continuously technological innovation, Adronic dedicates to simplify operation and advance product quality to fit various inspection purposes. The application contains medical (human and veterinary) and industrial (aircraft, automotive, military, shipbuilding, petrochemical, machinery etc.) inspection.

Adronic owned over 20 different patents in Taiwan, China, the United States and Europe, and still constantly increasing. Adronic is certified with ISO 9001, ISO 13485, GMP/TFDA, UK SGS. Our business covers Private Brand, OEM and ODM. Welcome to establish mutually beneficial partnership with us.

Honor & Patent 榮耀與專利

Honor

- 2012 AMPA Int'l Innovation Award 汽配展創新產品獎
- 2014 Int'l Invention Platinum Award 技術交易展發明競賽鉑金獎
- 2014 Int'l Invention Bronze Award 技術交易展發明競賽銅牌獎
- 2015 AMPA Int'l Innovation Award 汽配展創新產品獎
- 2016 Taiwan Excellence Award- M55 Endoscope System 台灣精品獎

Patent

- Taiwan, China, Russia, EU, USA



Certificate 公司認證



ISO 9001/ ISO 13485

GMP Certified

Milestone 歷史沿革

- 1987 – Established and build as mold tooling factory.
- 2008 – Design and manufacture industrial scope.
- 2010 – Design and manufacture aviation scope.
- 2011 – ISO 9001 certified (SGS certificate no.: TW15/10247).
- 2011 – Design and manufacture Vet endoscope camera system.
- 2012 – Design and manufacture Human endoscope camera system.
- 2014 – ISO 13485 certified (SGS certificate no.: TW15/10246).
- 2015 – GMP / TFDA certified (Registration no.: GMP1190).

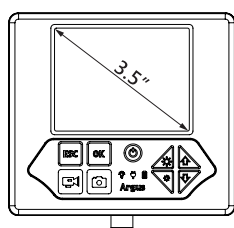


CE cGMP TFDA

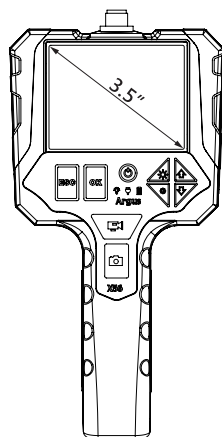
System Overview

Video Scope

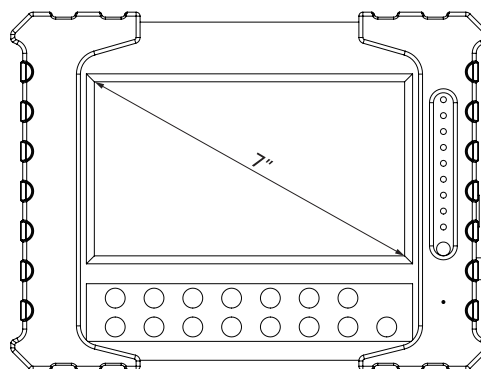
顯示屏主機



M57



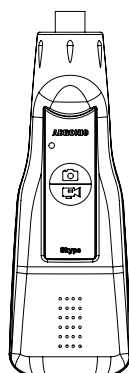
X56



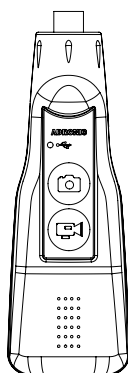
X70

USB Scope

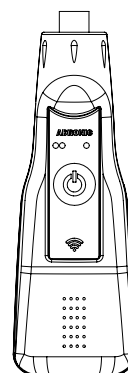
無顯示屏主機



X500



X600

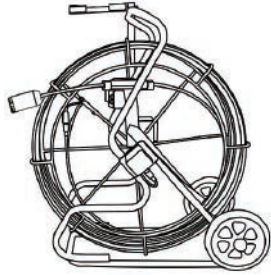


X700

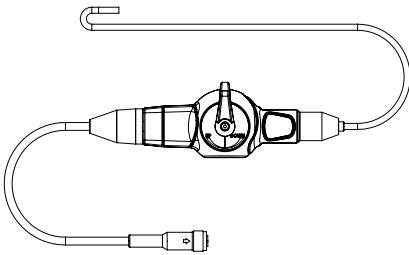
For A Better Inspection Scope

Adronic Endoscope system provides variety system combination to fit multi inspection purpose.
It allows user to choose the best solution to facilitate inspecting work in an efficient and economic way.

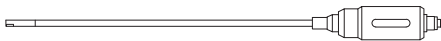
Probe 檢視探管



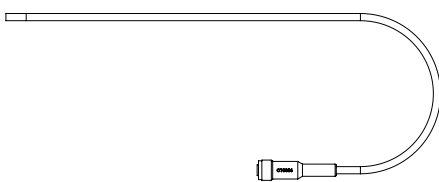
Fiberglass Probe



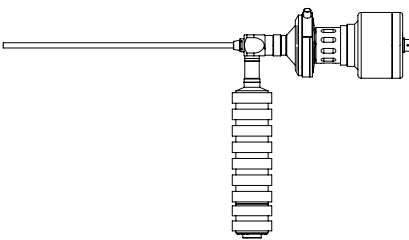
Articulation Probe



Rigid Probe

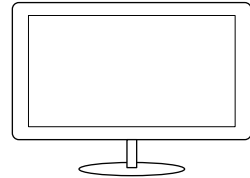


Standard Probe

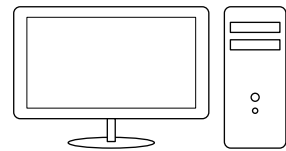


Fiber Optical Scope

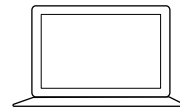
Display Unit 外接顯示裝置



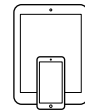
TV Monitor



PC



Notebook



Pad / Mobile



Eye

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Video Scope

內 視 鏡 主 機

- Equip with Display Monitor 配備顯示屏幕
- Without Display Monitor 無顯示屏幕

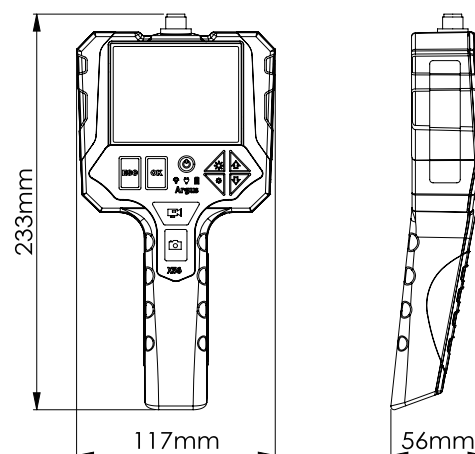
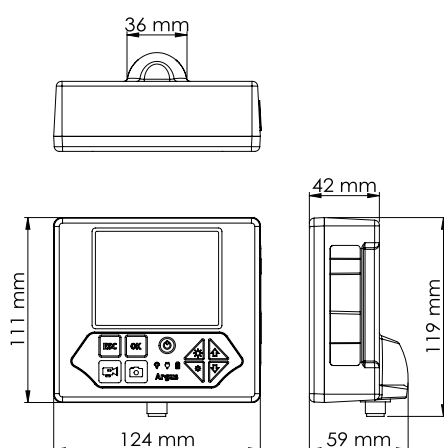


X56 / M57 Video Scope

3.5吋影像顯示裝置

Feature

- Built-in speaker, video recording
- 8x zoom in/ out.
- Reflected mirror lens support.
- Support fast forward and fast rewind when replay the video
- Illumination LED light adjustable.



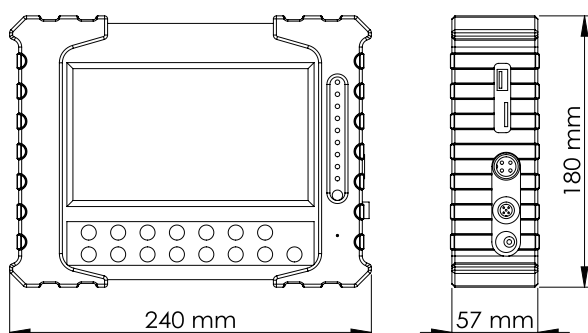
Item	Specification
Monitor	3.5" digital LCD monitor
Resolution	720x640P
Function	Audio & Video recording (640*480.AVI) and Snapshot (640*480.JPG)
Operation Language	Support 17 operation languages
USB Port	USB port (1.1/2.0)
Storage Devices	Include 4GB SD card (Support SD card up to 32GB)
Working Temperature	-20°C~60°C
Power Charger	100-240V AC in / 5V DC out
Battery	Rechargeable li-ion battery (Running time up to 360 minutes when full charge)

X70 Video Scope

7吋影像顯示裝置

Feature

- Support fast forward and fast rewind when replay the video.
- Illumination LED light adjustable.
- Equipped with IR remote control.
- Foot pedal attachable to support Snapshot (Optional).
- Support 12V and 3.7V output.
- Running time up to 4 hours when full charge.



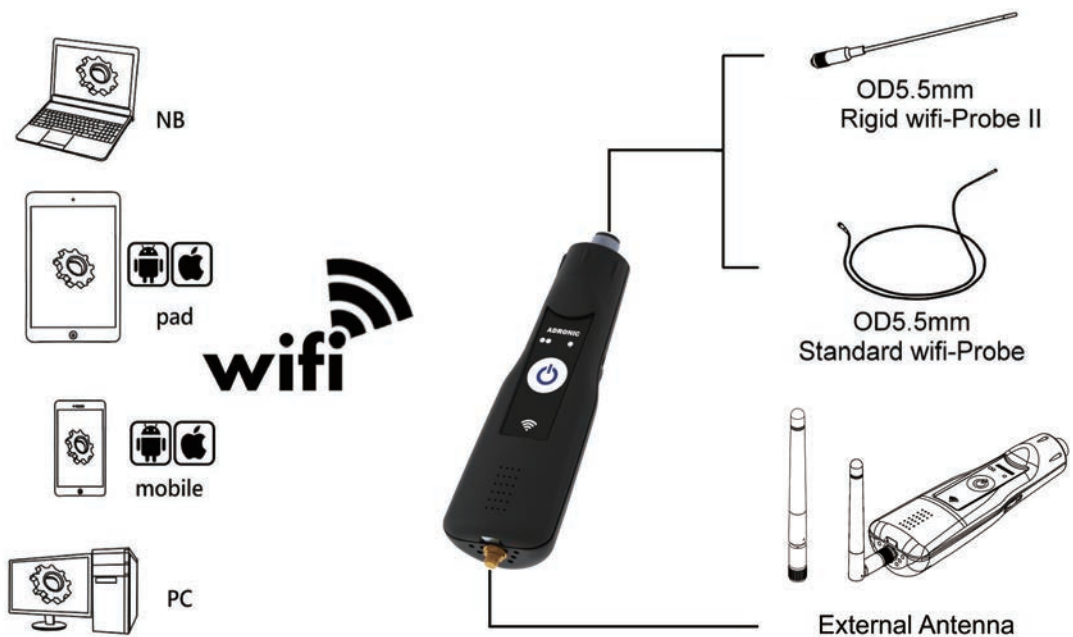
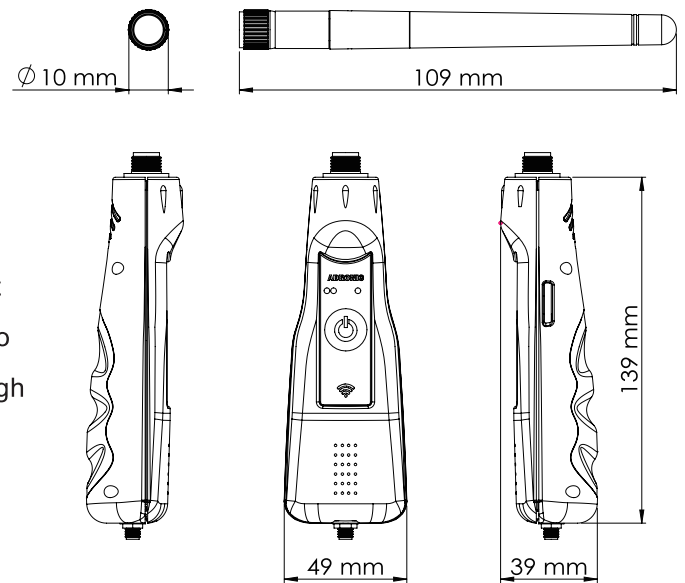
Item	Specification
Monitor	7" digital LCD monitor
Resolution	720x576P
Function	Audio & Video recording (720*576.AVI) and Snapshot (2592*1944.JPG)
Operation Language	Support 7 operation languages (English, German, Chinese, French, Russian, Korea, Japanese)
USB Port	USB port (1.1/ 2.0)
Storage Devices	Include 4GB SD card (Support SD card up to 32GB)
Working Temperature	-20°C~60°C
Power Charger	100-240V AC in/ 13.5V DC out
Battery	Rechargeable li-ion battery

X700 Wi-Fi Scope

Wi-Fi 主機

Feature

Wi-Fi scope is designed for mobile devices. It allows user to transfer the inspecting image to several mobile device at the same time through Wi-Fi signal.



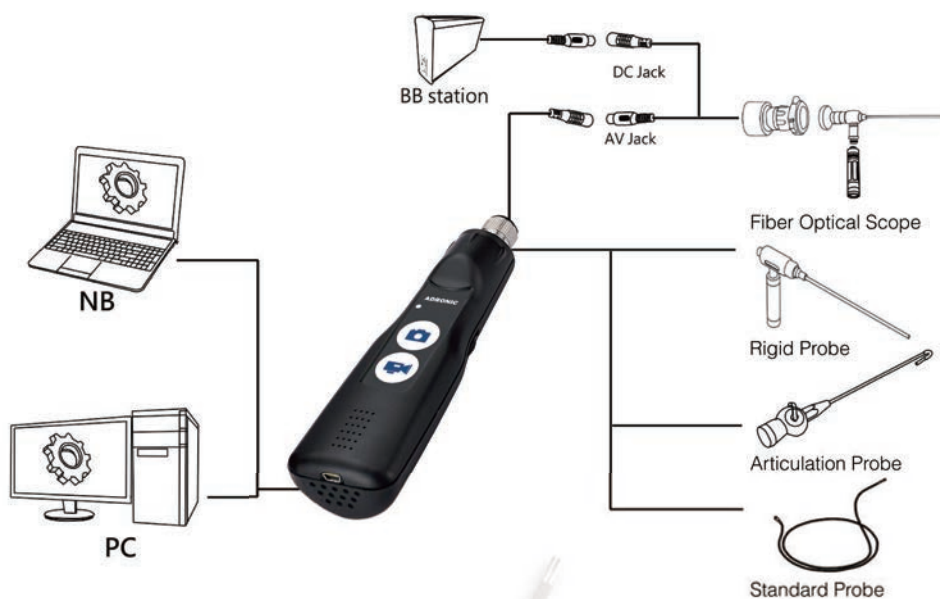
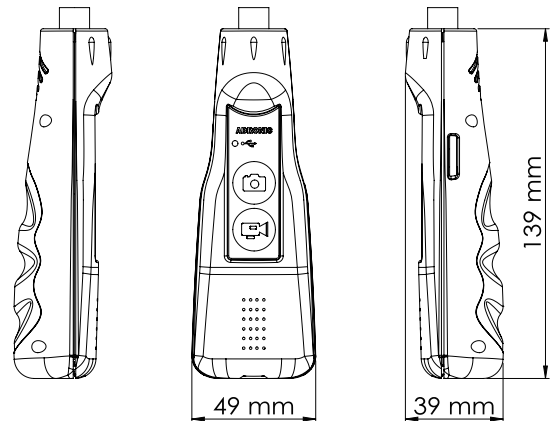
Item	Specification
Function	Support Snapshot (640*480.JPG)
Support software	Android/ iOS
Inspection Probe Type	Standard probe/ Rigid probe
Illumination	LED light adjustable
Charger	100~240V AC in / 5.5V DC out
Working Temperature	-20°C~60°C

X600 USB Scope

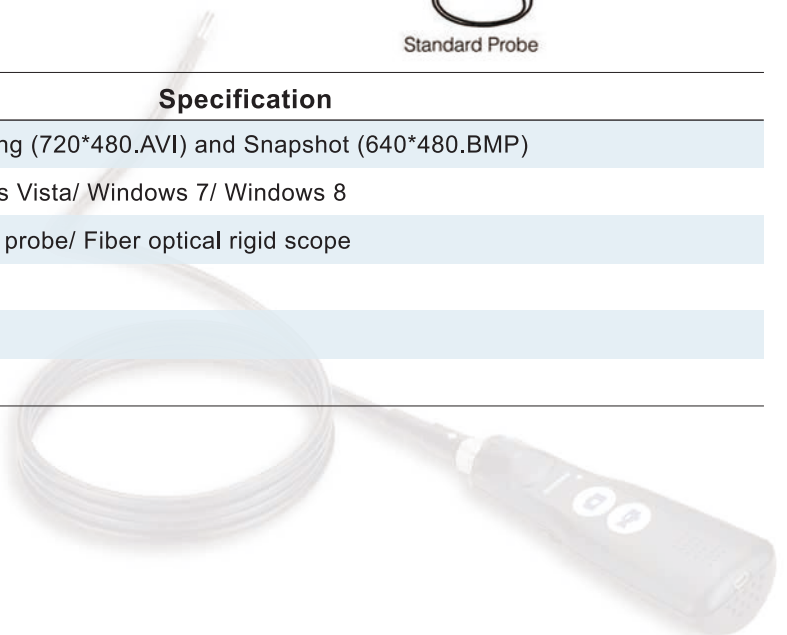
USB 主機

Feature

X600 USB scope enables to directly connect to personal computer or laptop through USB cable, and transfer color live image in a viewing program. It allows user use their own hard device to see the quality images, and operate Snapshot and Video recording without extra display unit.



Item	Specification
Function	Support Video recording (720*480.AVI) and Snapshot (640*480.BMP)
Support software	Windows XP/ Windows Vista/ Windows 7/ Windows 8
Insertion Probe type	Rigid probe/ Standard probe/ Fiber optical rigid scope
Illumination	LED light adjustable
USB Port	USB port (1.1/2.0)
Working Temperature	-20°C~60°C

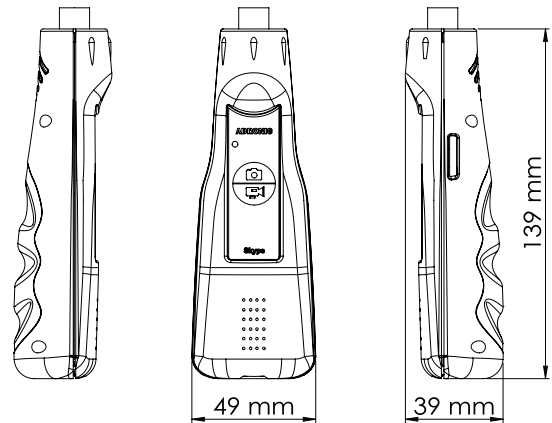


X500 Skype Scope

Skype 主機

Feature

X500 Skype scope is designed for "Remote Inspection". This system enables to share live images via Skype video calling. This unique function facilitates users to discuss and analyze the inspecting image immediately without distance limitation.



Item	Specification
Function	Support Video recording (720*480.AVI) and Snapshot (640*480.JPG)
Support software	Windows XP/ Windows Vista/ Windows 7/ Windows 8
Insertion Probe type	Standard probe/ Rigid probe
Illumination	LED light adjustable
USB Port	USB port (1.1/2.0)
Working Temperature	-20°C~60°C



Inspection Probe

內 視 鏡 探 管



Standard Probe

標準品探視鏡

Feature

- CMOS image sensor resolution.
- Water proof IP57.
- New special lens with colored identification



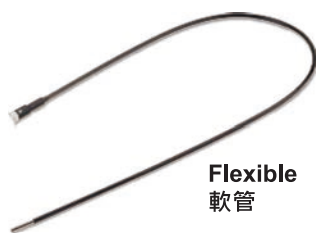
HD - High sensitivity lens could provide higher quality image with real color.



IR - Special night visual lens equips with IR LED to do secret inspection in dark environment.



Anti IR - Enable to see the invisible IR LED.



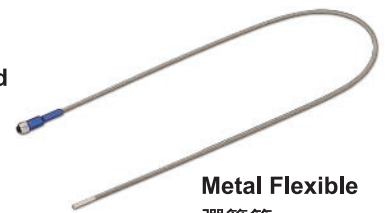
Flexible
軟管



Semi Rigid
可折管



Metal Braided
金屬編織網管



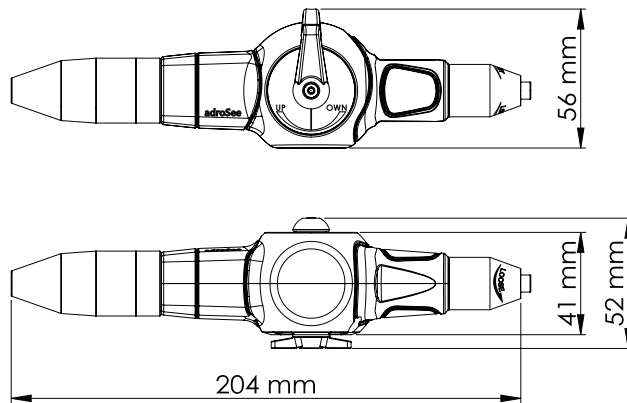
Metal Flexible
彈簧管

OD 外徑 (mm)	Probe Type 管材				DOF 焦距 (mm)	FOV 視角	Working Length 長度 (M)	Resolution 解析度 (pixels)	Optional Accessory 配件
	Flexible	Semi Rigid	Metal Braided	Metal Flexible					
3.9	☐	☐	☐	☐	10-50/ 10-100	90°	1-10	400,000	N/A
3.9 Anti IR	☐	☐	☐	☐	10-40	90°	1-10	300,000	N/A
4.3	☐	☐	☐	☐	10-50	90°	1-10	400,000	Mirror Adapter
5.5	☐	☐	☐	☐	20-70	67°	1-30	450,000	Mirror Adapter/ Guide Ball/ Magnet
5.5 HD	☐	☐	☐	☐	20-70	67°	1-30	HD 450,000	Mirror Adapter/ Guide Ball/ Magnet
5.5 HQ	☐	☐	☐	☐	5-100	80°	1-30	HD 450,000	Mirror Adapter/ Guide Ball/ Magnet
5.5 WiFi	☐	☐	☐	☐	20-50	67°	1-5	300,000	Mirror Adapter/ Guide Ball/ Magnet
5.8	☐	☐	☐	☐	20-70	67°	1-10	450,000	Mirror Adapter/ Guide Ball/ Magnet
6.5 90°	☐	☐	☐	☐	10-20/ 20-70/ 80-∞	67°	1-10	450,000	N/A
8.0	☐	☐	☐	☐	20-70	67°	1-30	450,000	Mirror Adapter/ Guide Ball
8.0 IR	☐	☐	☐	☐	80-∞	67°	1-3	420,000	Mirror Adapter/ Guide Ball
12	☐	☐	☐	☐	80-∞	67°	1-10	450,000	N/A
16	☐	☐	☐	☐	80-∞	67°	1-10	450,000	N/A
12/ 16 IR	☐	☐	☐	☐	80-∞	67°	1-3	420,000	Light Dimmer

2-Way Articulation Probe 雙方向轉頭探視鏡

Feature

- CMOS image sensor resolution.
- Angle locker could fix the lens bending angle in any degree.
- High durable metal braided neck.
- 2-way bending angle up to 200°.
- Water proof IP57.
- Working length up to 10 meter.



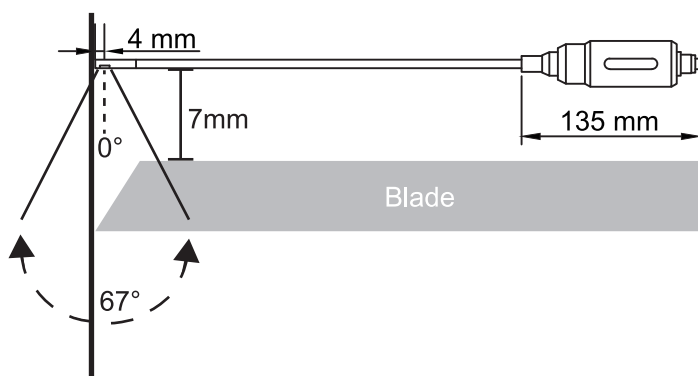
OD 外徑 (mm)	Probe Type 管材					DOF 焦距 (mm)	FOV 視角	Working Length 長度 (M)	Resolution 解析度 (pixels)	Optional Accessory 配件
	Flexible	Semi Rigid	Rigid	Metal Braided	Metal					
3.9	○	○		○	○	10-50 10-100	90°	1M-3M	400,000	N/A
3.9 Anti IR	○	○		○	○	10-40	90°	1M-3M	400,000	N/A
4.3	○	○		○	○	10-50	90°	1M-3M	400,000	Mirror Adapter
5.5	○	○	○	○	○	20-70	67°	30cm-10M	450,000	Mirror Adapter/ Guide Ball/ Magnet
5.5 HD	○	○	○	○	○	20-70	67°	30cm-10M	HD 450,000	Mirror Adapter/ Guide Ball/ Magnet
5.5 HQ	○	○	○	○	○	5-100	80°	30cm-10M	HD 450,000	Mirror Adapter/ Guide Ball/ Magnet
5.8		○				20-70	67°	1M-2M	450,000	Mirror Adapter/ Guide Ball/ Magnet
8.0	○	○	○	○	○	20-70	67°	30cm-10M	450,000	Mirror Adapter/ Guide Ball
8.0 IR	○	○	○	○	○	80-∞	67°	30cm-10M	420,000	Mirror Adapter/ Guide Ball
12	○	○		○	○	80-∞	67°	1M-3M	450,000	N/A
16	○	○		○	○	80-∞	67°	1M-3M	450,000	N/A
12/ 16 IR	○	○		○	○	80-∞	67°	1M-3M	420,000	Light Dimmer

Rigid Probe

不鏽鋼硬管探視鏡

Feature

- CMOS image sensor resolution.
- Medical stainless steel tube.
- Support 360° rotating.
- Rotating degree indication.
- Water Proof IP57.
- Detachable hand holder.
- Side-view 90° lens-Only 4mm from the lens center to camera head-edge.



Rigid Type II



Rigid Type I



OD (mm)	Rigid Type		DOF (mm)	FOV	Working Length (cm)	Resolution (pixels)	Optional Accessory
	Type I	Type II					
3.9	○	○	10-50	90°	15/ 30/ 45/ 70	400,000	N/A
3.9 Anti IR	○	○	10-50	90°	15/ 30/ 45/ 70	300,000	N/A
5.5	○	○	20-70	67°	15/ 30/ 45/ 70	450,000	Mirror Adapter/ Guide Ball/ Magnet
5.5 HD	○	○	20-70	67°	15/ 30/ 45/ 70	HD 450,000	Mirror Adapter/ Guide Ball/ Magnet
5.5 HQ	○	○	5-100	80°	15/ 30/ 45/ 70	HD 450,000	Mirror Adapter/ Guide Ball/ Magnet
5.5 WiFi		○	20-50	67°	15/ 30/ 45/ 70	300,000	Mirror Adapter/ Guide Ball/ Magnet
6.0	○	○	20-70	67°	15/ 30/ 45/ 70	450,000	Mirror Adapter/ Guide Ball/ Magnet
6.5 90°	○	○	10-20/ 20-70/ 80-∞	67°	15/ 30/ 45/ 70	450,000	N/A
8.0	○	○	20-70	67°	15/ 30/ 45/ 70	450,000	Mirror Adapter/ Guide Ball
8.0 IR	○	○	80-∞	67°	15/ 30/ 45/ 70	420,000	Mirror Adapter/ Guide Ball

Fiber Optical Scope

光纖光學內視鏡

Feature

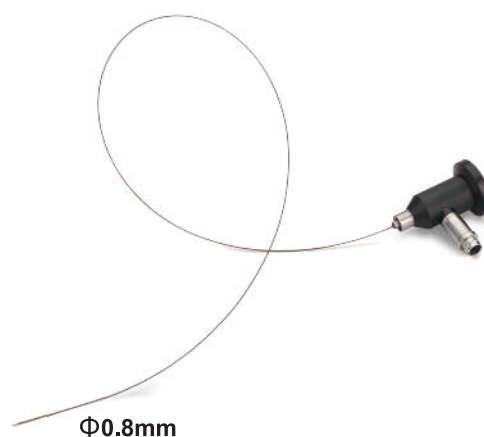
adroSee medical grade fiber optical rigid scope features precision lens, it enables to deliver clear and correct images with superior quality. We provide a wide range of diameter and length options, especially the ultrathin $\Phi 0.8\text{mm}$ scope. It could be applied to inspect the precision device and medical purpose.



$\Phi 1.9\text{mm}$



$\Phi 1.0\text{mm}$



$\Phi 0.8\text{mm}$

OD (mm)	Lens Degree	Working Length (mm)																
		45	55	80	104	108	170	175	178	183	205	207	230	260	300	302	330	600
0.8	0°																	○
1.0	0°													○				
1.9	0°		○	○	○			○				○			○		○	
2.7	0°			○		○		○			○					○		
	30°			○		○		○			○					○		
	70°					○		○										
4.0	0°	○						○		○						○		
	30°	○						○								○		
	70°	○						○								○		
5.0	0°							○								○		
	30°															○		
	70°							○								○		
8.0	70°						○		○									
10.0	0°												○			○	○	
	30°														○		○	

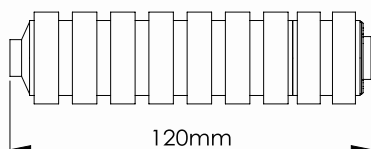
Mini Light Source LED光源

Feature

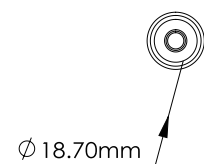
- Enable to be used with fiber optical endoscope.
- Powerful illumination up to 450lx.
- Unique heat insulating cover.
- Ergonomic hand-held design.
- Non-eye contact.



Ø 30mm



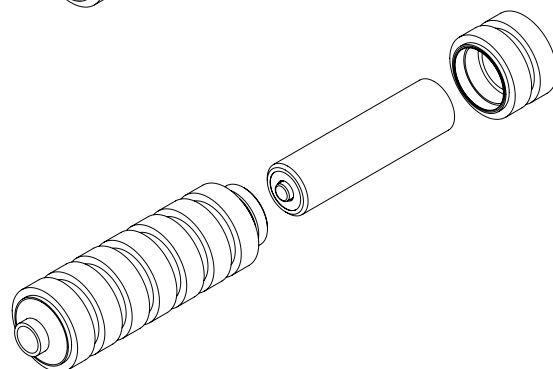
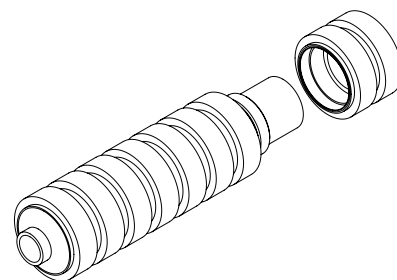
120mm



Ø 18.70mm



70mm



Item	Specification
Light source	LED
Working hour	90 minutes
Illuminance	450lx
Weight	91g (Without battery)
Rechargeable battery	Li-ion 18650 2400mAh 3.7V



Special Application Scope

特 殊 運 用 內 視 鏡

Nuclear Power 10 Meter Articulation Probe

核動所專用10米轉頭探視鏡

Feature

- CMOS image sensor resolution.
- Working length supports to 10 meter.
- 2 way bending angle up to 90°.
- Enable to go through three 90° curve tube.



Item	Specification
OD 外徑	6mm
Resolution 解析度	HD 450,000pixels
DOF 焦距	20-70mm
FOV 視角	67°
Probe Type 管材	Metal braided
Water Proof 防水/油系數	IP57

Pipe and Wall Fiberglass Probe

管道/ 下水道專用探視鏡

Feature

- Superior illumination.
- Built-in self leveling and length counter.
- Support monitor 360°.



Φ20mm / Φ25mm



Φ40mm / Φ50mm



Φ40mm / Φ50mm

Diameter	Φ20mm	Φ25mm	Φ40mm	Φ50mm
Display	X56/ X70	X56/ X70	X70	X70
LED	12	12	18	24
DOF	80mm-infinity			
FOV	90°			
Probe Type	Fiberglass			
Resolution	450,000 Pixels		1300,000 Pixels	
Working Length	10/ 20/ 30/ 40 Meter		60 / 120 Meter	
Water/ Oil Proof	IP57		1 Bar	
Working Temperature	-20°C~60°C		-20°C~50°C	
Support Function	N/A		Self-Leveling/ 7" Monitor 360°Roatating/ Length Counter & Unit Conversion(Meter/Feet)	
Optional Accessory	Central Ring Transmitter	None	Central Ring Transmitter	

P80 Law Enforcement Telescope

軍警攻堅專用探視鏡

P80 system is designed for law enforcement and military. It works by relaying a live image from the camera unit on top of the pole to a receiver monitor down below. This live image allows the user to inspect the inaccessible and out of sight areas and to decide whether or not any further action is necessary. The semi rigid camera neck makes it very convenient to adjust the direction the camera is facing. Also the P80 systems can be used vertically for work above ground or below.

Feature

- Camera sensor: 1/4" CCD
- Camera diameter: 23mm
- Lens pixels: 450,000pixels
- LED Light: 12 pieces white lights
- Telescopic shaft length: 90-300cm



Night Visual & Anti IR Scope

夜間偵測及反偵測探視鏡

Anti-detection & Anti-IR Endoscope

- CMOS image sensor resolution
(Enable to detect IR LED in dark area)
- Diameter: $\Phi 3.9\text{mm}$
- Resolution: 300,000pixels
- DOF: 10mm-50mm
- FOV: 90°
- Water Proof: IP57



Night Visual IR Detection Endoscope

- CMOS image sensor resolution
- Diameter: $\Phi 8.0\text{mm}$ / 12mm / 16mm
- Resolution: 420,000pixels
- LED: 940nm (Not Red LED light)
- DOF: 80mm-infinity
- FOV: 67°
- Water Proof: IP57
- Effective inspection distance is up to 3 meter length in darkroom.



Night visual lens image comparison



Day mode Snapshot



Night mode Snapshot



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