

ADRONIC

Industrial Borescope

OD5.5mm LX

Aviation Scope Kit

Model Name: 55LXAK



Adronic Side-View Inspection Scope

OD6.5mm 90° Rigid Scope, 360° Rotation



Product Description

Our side-view inspection scope is a special design for inspecting blade for all of aviation purpose. adroVision side-view scope is with 450,000 high quality image pixels. It has two types depth of view, 7mm and 20-70mm that allow aviation user to see the blade under different circumstances inspection purposes.

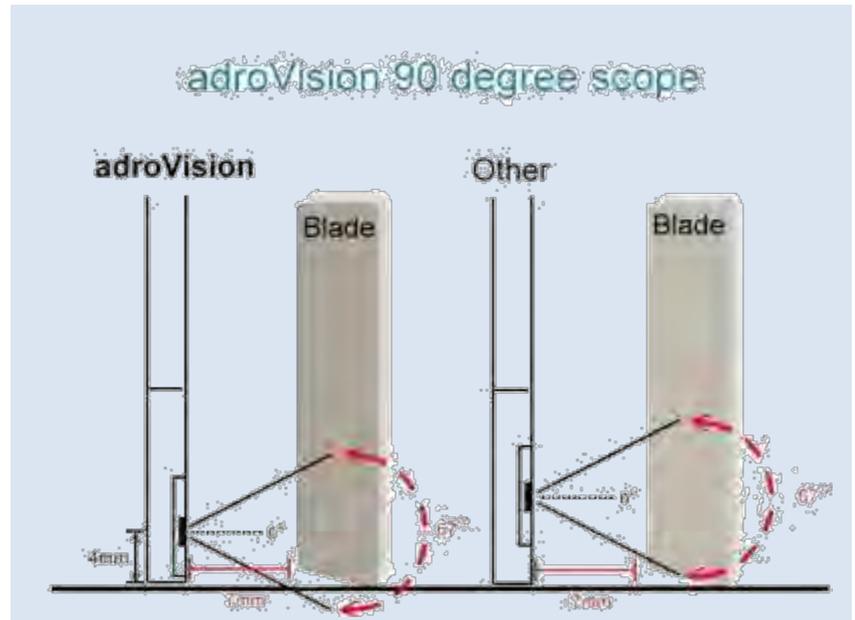
Additionally, its special unique design of lens to the camera head-edge is only 4mm which allow aviation user enable to see the bottom of blade inside the turbine and compressor clearly by making video or snapshot, including voice recording.

Unique Features

- Outside diameter 6.5mm.
- 90 degree lens.
- High resolution image quality 450,000 pixels.
- Lens to camera head-edge only 4mm.
- 4 strong brightness LED
- 7mm focus length
- Additional 20-70mm focus length.
- Side-view lens allow user rotation 360 degree.
- Cmos rigid type probe.
- 300mm length.
- 2-way-handling.
- Economic cost.
- Design for seeing the blade inside the compressor and turbine.

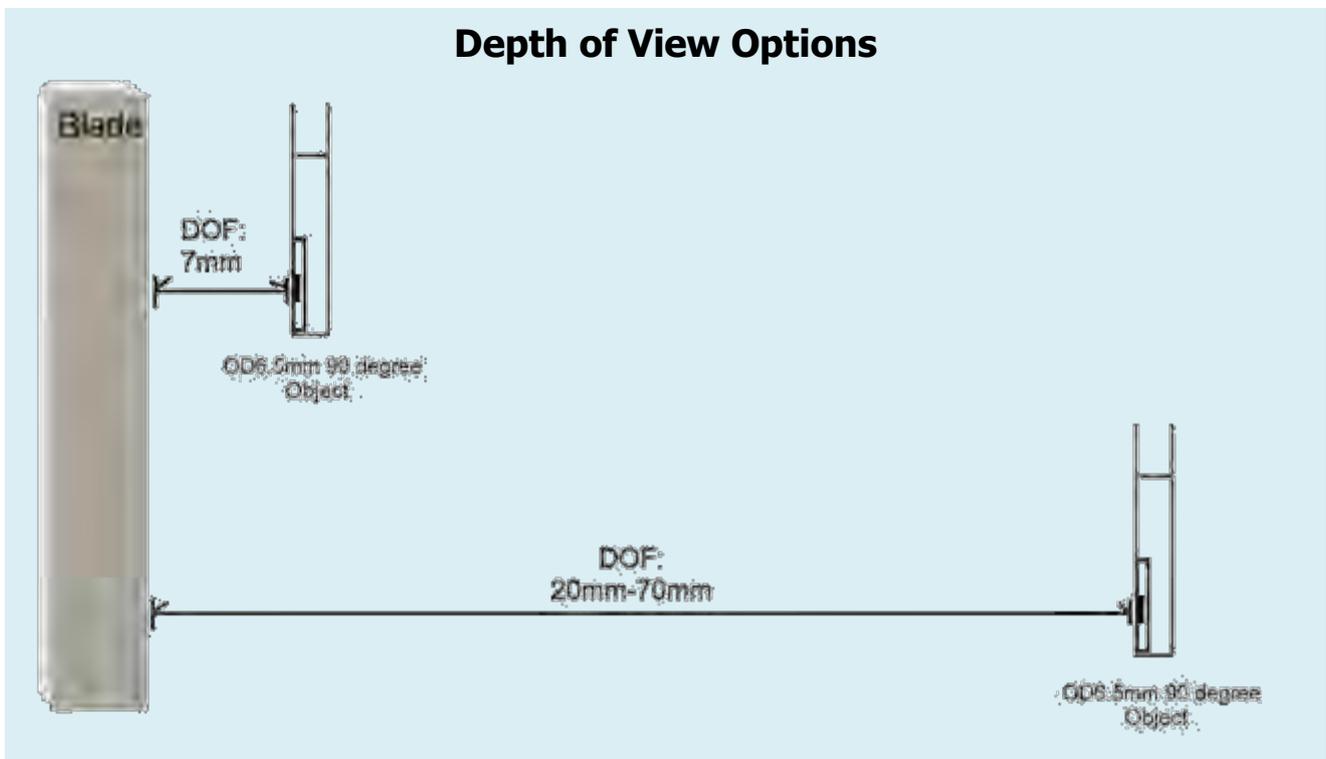
Unique Lens Design

For the blade inspection, to check the condition of the blade bottom is very important. Considering this factor, our adroVision side-view rigid scope has improved the lens design. Unlike other lens the distance is too long between the lens and camera head-edge, the length of our lens is 4mm only. This special design allows users to see the bottom within best focus distance.



Depth of View Options

The structure of the compressor and turbine inside the aircraft is very complicated. Depend on the inspecting circumstances, aviation users may require different focus length to check the blades. Therefore, our adroVision side-view inspection scope has two types of depth of view, 7mm and 20-70mm, users enable to see the blade clearly within different circumstances.



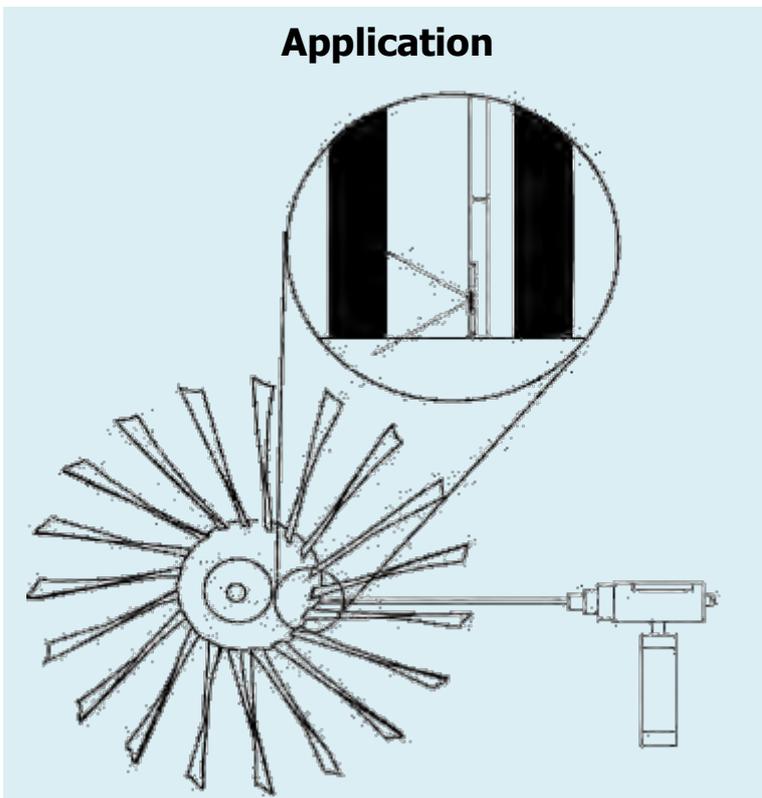
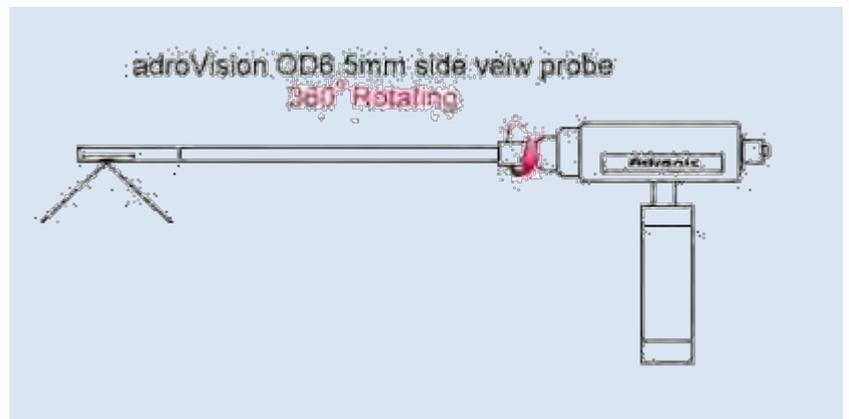


Superior Resolution and Illumination

Our side-view rigid has powerful illumination, with 4 strong LED light, user enable to see the inspecting target inside the dark area. Also with the 450,000 pixels high resolution, user could see the blade more clearly.

Support 360° Rotating

Adronic side-view rigid support 360° rotating, it facilitates user to inspect surroundings inside the compressor and turbine.



Application

Inspection for the bottom of the blade

Our OD6.5mm side view with 90 degrees rigid could be applied for inspection of the blades inside the compressor and turbine. Our 90 degree rigid is unique because the lens to the camera head-edge is only 4mm which allows users enable to the bottom of the blade by making video or snapshot, including voice recording.

2 Way 360° Articulation Probe

Adronic 2 Way/3D (360°) Inspection Scope

OD5.5mm LX Super 6LED Metal Braided Articulation Probe



Product Description

Our OD5.5mm LX Metal-Braided Articulation Probe is a unique design for aviation inspecting purpose. The 2 way/3D (360°) bending angle allows user to inspect the burning chamber within restricted area. The camera with 6 super LED light source and 450,000 pixels resolution is enable to display higher quality image.

Unique Features

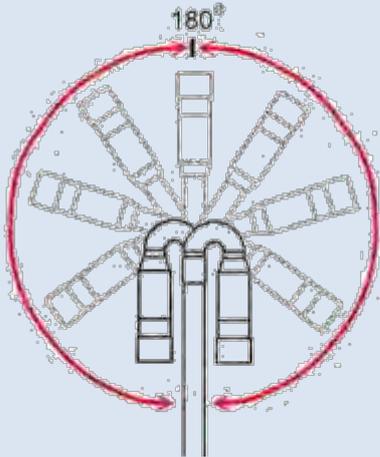
- Outside diameter 5.5mm.
- High resolution image quality 450,000 pixels.
- 6 super LED
- Highly durable metal braided neck
- 20-70mm focus length.
- CMOS Metal-Braided type probe.
- 2 meter length.
- 2-way-articulating.
- Bending angle up to 180°.
- Support 360° rotating.
- Fine adjustment auto-control for bending angle.

2Way 360° Bending Articulating

Our metal-braided articulation is featured with 2 way 360° bending articulating. The bending angle is up to 180°. With this flexible design, user enable to inspect the target within the narrow and intricate area.

2Way 360° Bending Articulating

2 way Bending Angle 180° Articulation



Fine Adjustment and 360° Rotating

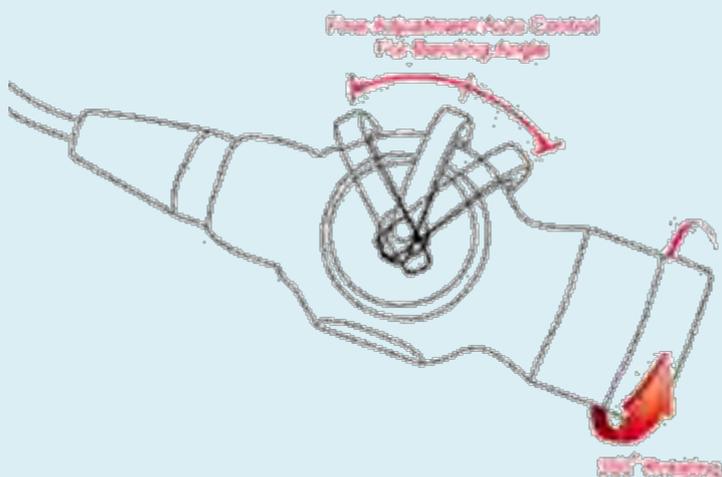
Our Adronic metal-braided articulation support 360° rotating, it facilitates user to inspect surroundings inside the burning chamber. Also the lever of the frame could support fine adjustment auto-control for bending angle, user could fix the bending angle without hand hold.

Application

Burning Chamber inspection

Our OD5.5mm LX metal braided articulation 2 meter length could be applied for burning chamber inspection.

Fine Adjustment and 360° Rotating



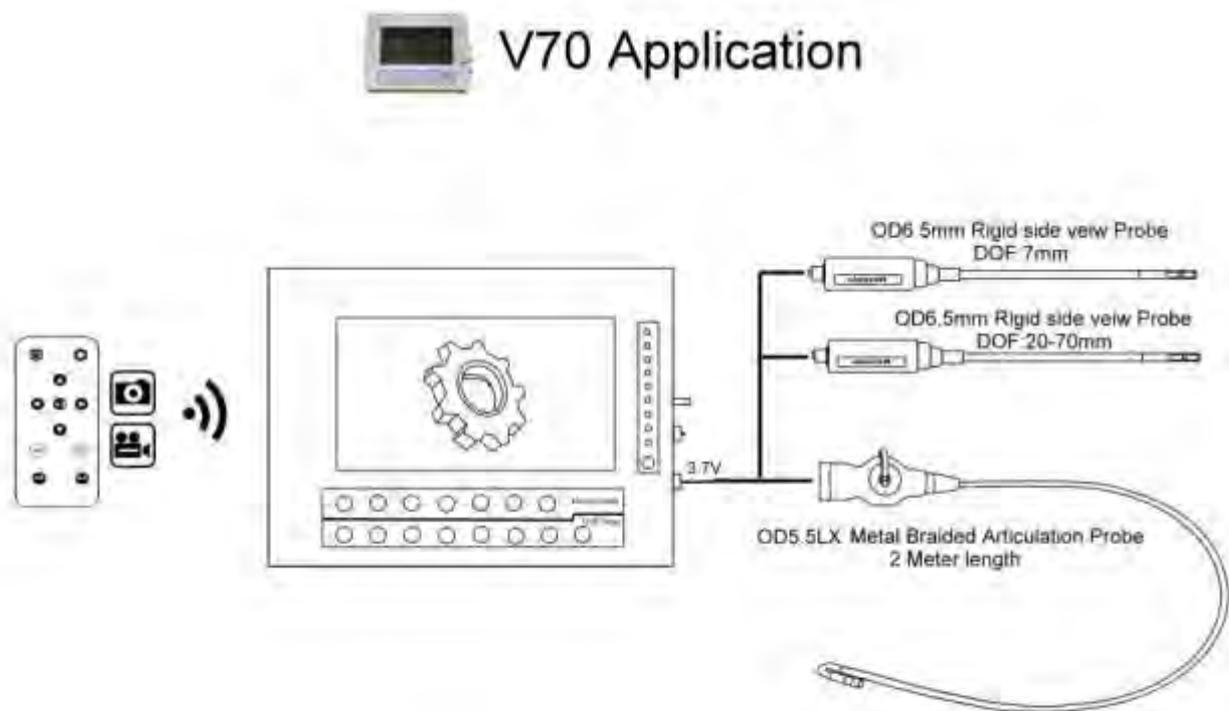
Application



Inspection System

V70 Main Unit

V70 is an efficient design for aviation inspecting purpose. It allows image and video transfer to a V70 monitor, a 7 inch digital panel by just press IR remote control button to snapshot (JPEG), or making video (MPEG4-AVI), as well as Video recording.



Feature

- **7" LCD display, resolution 720 X 560**
- Manual or with IR remote control to video recording and snapshot
- Support 12V and 3.7V power tube.
- Support Audio and Video recording (MPEG4/AVI)
- Support Snapshot (JPEG format) upto 5 million pixels
- Support Fast Forward and Fast Rewind when replay the video.
- Support 7 operation languages including Chinese, English, German, French, Russian, Korean and Japanese languages.
- Video resolution recording selectable.
- Working temperature -20° to 60° (Celsius)
- Power charger indication Light
- With USB port (1.1/2.0) allow user transfer data to PC
- Illumination LED light adjustable
- Support micro SD card up to 32GB.
- Battery: Rechargeable Li-ion Battery
- Power Charger: 100~240V AC in / 13.5V DC out

Specification

Insertion Tube-

Photo		
Product Description	OD6.5mm 90° Rigid Scope	OD5.5mm LX super 6LED metal braided articulation probe with metal braided neck
Model Name	65110100	55LX200MAN21
Diameter	OD6.5mm	OD5.5mm
Resolution	450,000 pixels	
Tube Length	30cm	2 meter
DOF	7mm/ 20-70mm	20-70mm
FOV	67°	
Light Source	4 LED	6 super LED
Working Temperature	-20°C to 60°C	
Ingress Protection	IP 57	

Main Unit-

Photo	
Product Description	V70 main unit
Model Name	V70
Display	7 inch LCD digital display
Resolution	720 * 576
Support Function	Snapshot (JPEG), Audio and Video recording (MPEG4/AVI)
Operation Language	English, Chinese, German, French, Russian, Korea, Japanese
USB Port	1.1/2.0
Saving Device	Support micro SD card up to 32G
Working Temperature	-20°C to 60°C
Power Charger	100-240V AC in/ 13.5V DC out
Battery	Rechargeable Li-ion Battery
Working Temperature	-20°C to 60°C