

SVX Series industrial borescope
It's super-cleared. It's a flaw.

Two-manufacturing design, multi-person collaboration.

High-resolution touch screens support touch + key double operation, and screens can be mounted on the surface, suitable for remote operation detection, and allow multiple people to view decision-making in concert.

Large-scale touch screen. Manipulation is in place.

10.1 inches large-scale high-resolution touch screens that integrate advanced super-clear imaging techniques with efficient HDR image processing algorithms, real colour height reduction, imaging
The detection of a leap in effectiveness, the precise identification of defects, the manipulation of precision and the efficient and reliable testing.

Full functional experience. Long-lived.

Support for image reconciliation, labelling, screen comparison, report generation, HDMI/USB transmission+ remote upgrade; 6 time extension over long duration, fit for long industrial testing.

Multi-specify fit to cover full scene testing

The provision of multi-specified tube and lenses allows flexibility to match the needs for industrial detection of different conditions, different scenarios and one-stop solutions.

Change optical lens

• Direct/side view lenses (micro, close focus, wide angle, medium focus, long focus) can be replaced 3.9mm 6.0mm







Durable pipe structure

:: Support for customized piped line production, with flexibility to build 1 - 10 rice appropriate lines based on the actual user context

• Mechanical components at a distance can easily be achieved by self-research and transfer technology

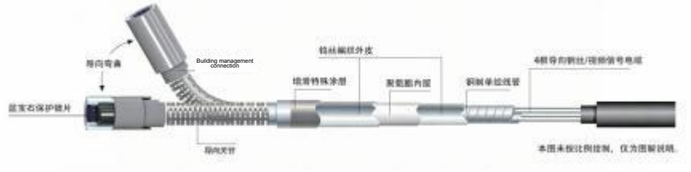
Curved angle custom

360° global turn, angle can reach 140°

• Carrying of the HDVIT system to achieve ultra-high resolution

The probe will make 360° rotation
Bend any way

Like, at the same time, perfect support for industrial borescope remote detection.



Compatible full pipe.

• Compatible 0.85mm-8.0mm tubes



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Product Performance

01/ **10.1 in high-resolution touch screen**

Upgrade the operational experience, full of colours, clear drawings, and provide fluid, real and stable detection images.



03 quadrant tape protection design

Stunny-resistant, durable.



05/ **Hard nuclear system support**

Embedded Linux system, low-capacity, robust disturbance.



02 **Smart mechanical manipulation.**

Accurately activated, zero delayed response, portable, controlled and accurate.

Effectively improving operational efficiency.



04 **6 has a long flight.**

Full power is available for single re-entry up to 6 hours for long duration.

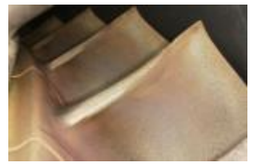
Testing needs.



Field application







Aerospace

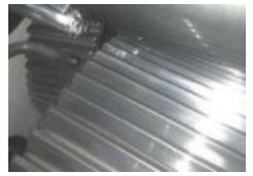
Mainly used for internal non-destructive detection of critical components such as aircraft engine blades, combustion rooms, turbines and fuel pipelines, without decomposition machines

Physically accurate detection of cracks, burns, wear and tear and alien residues has significantly improved flight safety and maintenance efficiency and effective prevention

Catastrophes, while significantly reducing the cost of dismantling and the time spent on aircraft, are a core means of detecting the seaworthiness and reliability of aircraft

Key technical support was also provided for the implementation of case-based maintenance and health management.





Energy and electricity

Mainly used for non-dismantling internal non-destructive detection of critical areas such as wind gear boxes, the interior of the blades, bearings and the main axis, capable of

Rapid detection of defects in teeth wear, cracks, internal structural damage, etc., which significantly improves the efficiency and accuracy of transport-based detection and avoids unnecessary

Equipment dismantling and replacement of large components to effectively prevent malfunctions and reduce downtime loss and maintenance costs to ensure the safety of the wind and power units

A key tool for stabilizing operations.





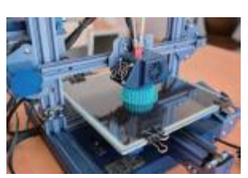
Automobile manufacturing

Mainly used for non-destructible visualization of engine casks, oil jets, transmission tanks, transmission systems and other sophisticated internal components

Tests, which will allow rapid detection of defects such as carbon accumulation, wear, tearing, assembly abnormalities, etc., without dismantling, significantly improve detection efficiency and maintenance

Reduced working hours and cost of spare parts while ensuring safety and reliability of vehicles.

Important diagnostic tools in after-sale maintenance.





Artificial materials

Mainly used for non-destructive mass testing of complex channels, grid structures and light quantitative cavities within 3D printout

Bad work allows rapid detection of defects in internal gas holes, unmelted, cracks, etc., which significantly enhances the quality efficiency and reliability of complex structural components

Sustainability, which effectively ensures the availability of innovative design, is a key testing tool for high-end enrichment manufacturing applications and quality control.

Specification parameters*

technical specifications		
Key Boom! Fountain. Yes.	Product Model	SVX
	Product size	343×243×87 (mm)
	Weight	2KG
	Monitor	10.1 High Scatter Touch screen
	Monitor Resolution	1280*800
	Screen Brightness	It's visible in the sun.
	Extended Storage	32GB TF memory card (maximum support for 128GB)
	Data Transfer	USB interface high-speed transmission data
	Video Output	HDMI Video Output Interface
	Working hours	Working 6 hours or more, with direct flow
	IP Level	IP65
	Working temperature	-10℃~50℃
	Relative humidity	Top 95%, no condensation
Tan. Pipe Participation Number	Diameter diameter	0.85mm/1.0mm/1.2mm/1.7mm/2.2mm/2.8mm/3.0mm/3.9mm/6.0mm/8.0mm
	Length of detection tube	1m-10m (customable)
	Camera protection	Sapphire glass.
	Pipes	The outer layer is woven with flexible, multi-storey, special tungsten wire.
	Camera pixels	16 10,000/ 52 10,000/ 100 10,000/ 200 10,000
	Light source type	Pre-LED Light/ Post-Ray Fibre Guided Light
	Brightness Adjustment	Hand animals button, 7 level brightness reconciliation
	Light-source lifetime	30,000 Over hours
	Manipulation Bar Control	360° Mechanical Roller Control, Single Hand
	Compatibility	Swapable 0.85-8mm plugging tube, a host can select multiple probes with different diameters and lengths
	IP Level	IP68
	Working temperature	20°C to 70°C
	Relative humidity	Top 95%, no condensation
	Water proof.	The probe is under 1Bar's water pressure.
nex Fountain. Yes.	Operating systems	Embedded operating system
	Screen Scale	Automatically scale with camera resolution
	Image Control	8 Multi-digital Focus
	Show Settings	Free toggle between shapes in quadrilateral, octagon and circle
	Colour Effects	Original colour, black and white, negative.
	Image Reconciliation	Mirrors, screen brightness, contrast, color, saturation parameters can be set to restore plant settings
	Software functionality	HDR image processing, high temperature alerts, graffiti, freeze, screen comparison, simulation ruler, detection report
	Photos, videos.	Touch screens and handle buttons allow for photographing and video recording
	Picture Format	JPG Format
	Video Format	AVI format
	White Balance	Manual/ Automatic
	Measuring Rulers	Cross Ruler
	Split Match	Real-time video is set in one cell during the test, and the frame can be analysed twice.
	Document management	File Rename, Delete, etc.
	Language Settings	Chinese, English, etc.
	Software upgrades	Support remote upgrades

Configuration List

Name	Units	Number	Name	Units	Number
10.1 master controller	Station	1	Air data lines	Root	1
Insert pipe for selected parameters	Root	1	Use user manual	Ben.	1
Host Adapter	individual	1	The warranty card.	Ben.	1
TF memory card	Chang!	1	Certificate	individual	1
Card Reader	individual	1	Cleaning the suit.	Grandpa.	1
Instrument box	individual	1		-	-
Optional	Linked backbands, rigid/soft casings, tripods, tunnel mechanics, central locator, etc.				

Escaping changes the lens. • Marketable zeros custom

mm	Pixels	Camera Type	Lighting	Curved direction	Vision orientation	Area of view (°)	mm mode of supply	
3.9	1280*720	Observation	Fibre	4	Face	90	8-150	●
						120	4-65	●
					Sidview	90	8-150	●
						120	4-65	●
6.0	1280*720	Observation	Fibre	4	Face	50	50～∞	●
						90	4～20	●
						90	8～150	●
						140	4～100	○
					Sidview	50	50～∞	●
						90	4～20	●
						90	8～150	●

Pipeline Parameters

mm	Vision orientation	Lighting	Pixels (thousands)	Area of view (°)	Deep range (mm)	Curved direction
0.85	Face	Fibre	16	120	3-50	0
1.0	Face	Fibre	16	120	3-50	2
1.2	Face	Fibre	16	120	3-50	2
1.7	Face	Fibre	16/52	120	3-50	2 To/4
	Sidview	LED	16/52	120	3-50/3-100 (optional)	2 To/4
2.2	Face	Fibre	16/52	120	3-50	2 To/4
	Sidview	LED	16/52	120	3-50/3-100 (optional)	2 To/4
	Direct integration	Fibre/ LED	16/52	120	3-50	2
2.8	Face	Fibre/ LED	16/52	120	3-50	2 To/4
	Sidview	LED	16/52	120	3-50	2 To/4
3.0	Face	Fibre/ LED	100	90/120	7-80/5-100 (optional)	4
	Sidview	LED	52	120	3-50	4
	Straight side.	Fibre/ LED	Direct 100 side 52	90/120 side 120	5-100/7-80	4
3.9	Face	Fibre/ LED	100/200	120/110	5-100/10-100 (optional)	4
	Sidview	Fibre/ LED	100	90	4-20/7-80/8-150 (optional)	4
	Straight side.	Fibre/ LED	100	120	5-100	4
6.0	Face	Fibre/ LED	100/200	120/110	5-100/10-100 (optional)	4
	Sidview	Fibre/ LED	100/200	120/110	5-100/8-150 (optional)	4
	Straight side.	Fibre/ LED	100/200	120/110	10-100/8-150 (optional)	4
8.0	Face	Fibre/ LED	100/200	120/110	5-100/10-100 (optional)	4
	Sidview	Fibre/ LED	100/200	120/110	10-100/8-150 (optional)	4

*Specific parameters and other requirements that can be confirmed by contacting sales personnel