

ACU-FVS

Flexible Videoscope



COUNTERMEASURES



NEW

Unparallel tool for numerous inspection scenarios including TSCM and under-door viewing.

The ACU-FVS Flexible Video-Scope is a cutting-edge tool designed for various high-stakes applications, including criminal investigation, Explosive Ordnance Disposal (EOD), security inspections, anti-smuggling operations, search and rescue missions, and related testing work.

Engineered for ease of use and durability, this portable device enables single-person operation, with a lightweight, high-strength design for optimal performance in demanding environments. Its robust construction ensures strong concealment and reliable operation under challenging conditions.

Key Features:

Host Device

- 6-inch LCD fully touchscreen for intuitive operation.
- Built-in sound pickup and recording functionality.
- WiFi wireless transmission capability for remote monitoring.
- External SD card supports data storage and transfer.
- Dual circuit design with single battery compatibility, long lasting up to 8 hours.
- Multi-language options for global usability.



Probes Type

- ① 0.95mm probe, straight view, 160,000 pixels, alloy spring probe, tube length 1m, 1.4m, 2.1m optional.
- ② 3.9mm tungsten braided flexible durable probe, tube length 1m, 2m, 3m optional.
Articulation: 4-way 360° articulation;
DOF: 50mm-infinity;
FOV: 75°;
Probe voice pickup function optional.
- ③ 6mm tungsten braided flexible durable probe, tube length 1m, 2m, 3m optional.
Articulation: 4-way 360° articulation;
DOF: 50mm-infinity;
FOV: 75°;
Probe voice pickup function optional.





Applications:

Criminal Investigation: Enables covert inspection and evidence collection.

EOD (Explosive Ordnance Disposal): Supports bomb squad teams in identifying and diffusing threats.

Security Inspections: Enhances border security, facility inspections, and personnel screening.

Anti-Smuggling Operations: Assists in detecting concealed contraband.

Search and Rescue: Facilitates locating survivors in inaccessible areas.

TSCM (Technical Surveillance Counter-Measures): Identifies unauthorized surveillance equipment.

Why Choose ACU-FVS?

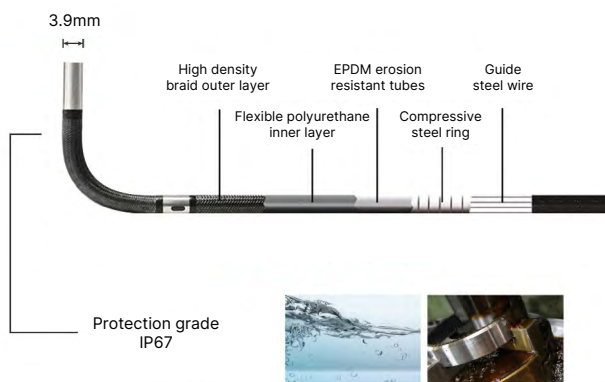
Portability: Light and compact for easy transport and deployment.

Versatility: Multiple probe options cater to diverse operational needs.

User-Friendly: Simple interface and intuitive controls.

Durable Build: Sturdy construction ensures longevity in challenging environments.

Enhanced Inspection: Articulating probe and advanced optics deliver precise results.



General Specification

Interchangeable Head Unit works with All Probes

Host	Size:	375×175×78mm
	Display:	6 inch industrial grade LCD screen
	Resolution:	1920X1080
	Output port:	TF card, HDMI port, Micro USB, Headphone jack
	Memory card:	Built in storage,support TF card,max128G
	Power:	≥ 8 hours of battery life, dual circuit design, single cell battery can also be turned on and work (supports battery replacement without shutting down)
	IP grade:	IP54
	Working temperature:	-10°C ~ 50°C
System	Storage temperature:	-20°C ~ 60°C
	Relative humidity:	Max 90%, no condensation
	Operation method:	Dual operation of high-definition touch and button navigation, dual camera and video button
	Support function:	Comparative measurement,Analog ruler,Image comparison,Logo setting,Camera adjustment,Audio settings
	File format:	Image JPEG (JPG) format, Video AVI format
Packing Case	File management:	Photo, Video,Freezing,zooming,flipping,video playback,Graffiti,Watermark
	Language:	Chinese, English, German, French, Russian, Spanish, Italian, Polish, Japanese, Ukrainian, and other languages
	Weight:	3.9kg
	L*M*H:	47.9*38.7*15.5cm





Camera and Probe Type

Option 1 ACU-FVS 95 0.95mm No Articulation

Lens	Direction:	Direct view		
	View angle(θ):	120°		
	DOF:	3mm~70mm		
	Pixel:	160000		
Probe	Illuminating system:	Rear high-power LED fiber optic transmission		
	Front metal part(L):	≤6mm		
	Diameter(D):	0.95mm		
	Articulating:	No Articulating		
	Bending angle(α):	/		
	Working temperature:	-20°C~70°C		
	Voice pick-up:	Not available		
Inserting Tube	Material:	Bourdon tube		
	Length:	1m	1.4m	2.1m

Option 2 ACU-FVS 390 3.9mm full 360° Articulation

Lens	Direction:	Direct view		
	View angle(θ):	75°/84°		
	DOF:	50mm~∞		
	Resolution:	1 million		
	Lighting type:	Infrared illumination	940nm without red exposure	
White light optical fiber illumination		850nm with red exposure		
Probe	Front metal part(L):	13mm±0.5mm		
	Diameter(D):	3.9mm		
	Articulating:	360°full way articulating		
	Length	32mm±2/	34mm±2/	36mm±2/
	when bending at 90°	38mm±2	40mm±2	42mm±2
	IP Grade:	IP67		
	Bending angle(α):	170°±10°		150°±10°
	Working temperature:	-20°C~70°C		
Inserting Tube	Voice pick-up	Optional		
	Material:	Soft (tungsten braided tube)		
	Length:	1m	2m	3m

Option 3 ACU-FVS 600 6mm full 360° Articulation

Lens	Direction:	Direct view		
	View angle(θ):	75°/84°		
	DOF:	50mm~∞		
	Resolution:	1 million		
	Lighting type:	Infrared illumination		940nm without red exposure
White light optical fiber illumination				
Probe	Front metal part(L):	13mm±0.5mm		
	Diameter(D):	6mm		
	Articulating:	360°full way articulating		
	Length	45mm±2/	45mm±2/	48mm±2/
	when bending at 90°	50mm±2	53mm±2	53mm±2
	IP Grade:	IP67		
	Bending angle(α):	170°±10°		160°±10°
	Working temperature:	-20°C~70°C		
Inserting Tube	Voice pick-up:	Optional		
	Material:	Soft (tungsten braided tube)		
	Length:	1m	2m	3m

* ACU-FVS is available in several lengths and diameters for you to choose from according to your needs.

