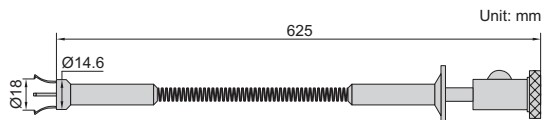
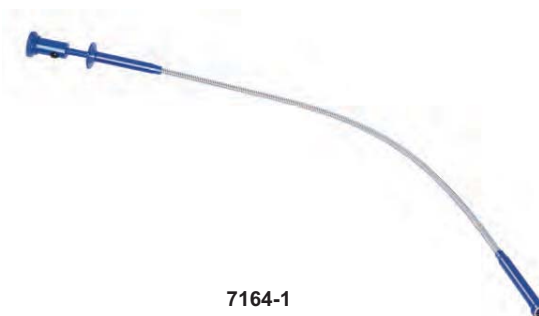


FLEXIBLE PICK-UP AND FLASHLIGHT



- To illumination, to pick up parts from hidden areas, or to pick up steel parts
- Flexible spring rod, made of stainless steel
- Three LR44 batteries

Code	Magnetic force	Flashlight range	Battery life
7164-1	0.9kgf	1m	24h



7164-1



Flexible spring rod



Flashlight head



4 retractable claws



Magnetic head

IP64
WATERPROOF



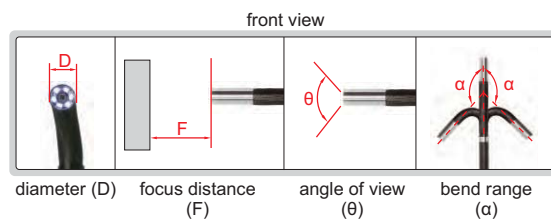
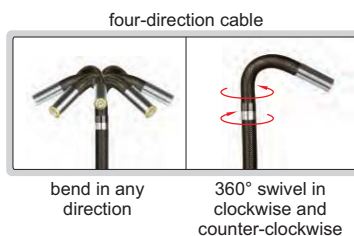
HIGH-DEFINITION VIDEOSCOPE

MAIN UNIT (WITHOUT CABLE)

Code	ISV-MSU
Function	take picture, take video
File format	picture: JPG (resolution: 1024×768) video: AVI (resolution: 1024×768)
Image process	brightness, image zoom (1X, 1.5X, 2X, 2.5X, 3X)
Screen	5" LCD, resolution: 1200×720, can rotate 180°
Temperature	display the temperature of probe
Memory	32G SD card
Output	TV, USB, HDMI
Power supply	rechargeable battery (for 4 hours working) AC/DC adapter (for continuous working)
Weight	600g



manual joystick



FOUR-DIRECTION CABLE (FRONT VIEW)

Code		ISV-MSU610	ISV-MSU615	ISV-MSU630	ISV-MSU410	ISV-MSU415	ISV-MSU430
Cable	length	1m	1.5m	3m	1m	1.5m	3m
	type	tungsten wire weaved cable					
Lens	view direction	front view					
	bend direction	four directions					
	diameter (D)	6.5mm			4.5mm		
	focus distance (F)	15mm~∞			8~80mm		
	bend range (α)	±160°			±120°		
	angle of view (θ)	>120°					
	illumination	6 pcs LED					
	pixel	0.92M					
	resolution	1280×720					

To be continued

Continued from previous page



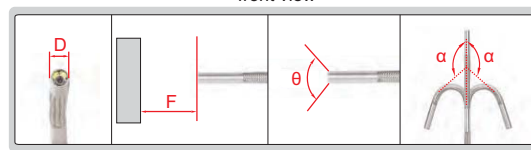
manual joystick

two-direction cable



bend in two directions

front view



diameter (D)

focus distance (F)

angle of view (θ)

bend range (α)

TWO-DIRECTION CABLE (MICRO)

Code	Cable		Lens								
	length	type	view direction	bend direction	diameter (D)	foucus distance (F)	bend range (α)	angle of view (θ)	illumination	pixel	resolution
ISV-MSU215	1.5m	tungsten wire weaved cable	front view	two directions	2.4mm	5~30mm	±160°	>120°	2 pcs LED	0.30M	640×480



manual joystick

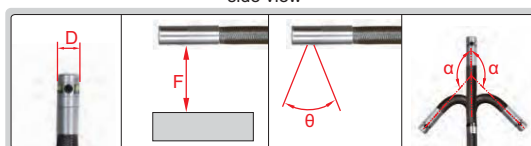
four-direction cable



bend in any direction

360° swivel in clockwise and counter-clockwise

side view



diameter (D)

focus distance (F)

angle of view (θ)

bend range (α)

SIDE VIEW CABLE

Code	Cable		Lens								
	length	type	view direction	bend direction	diameter (D)	foucus distance (F)	bend range (α)	angle of view (θ)	illumination	pixel	resolution
ISV-MSU611	1.5m	tungsten wire weaved cable	side view	four directions	6mm	8~80mm	±160°	>120°	2 pcs LED	0.92M	1280×720



manual joystick

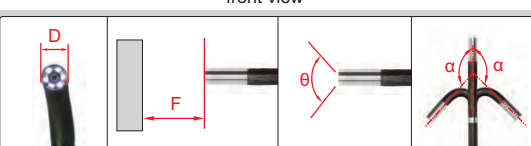
four-direction cable



bend in any direction

360° swivel in clockwise and counter-clockwise

front view



diameter (D)

focus distance (F)

angle of view (θ)

bend range (α)

HIGH-DEFINITION CABLE

Code	Cable		Lens								
	length	type	view direction	bend direction	diameter (D)	foucus distance (F)	bend range (α)	angle of view (θ)	illumination	pixel	resolution
ISV-MSU617	2m	tungsten wire weaved cable	front view	four directions	6mm	15mm~∞	±160°	>120°	6 pcs LED	2.07M	1080×1920



manual joystick

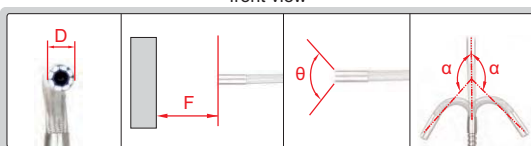
four-direction cable



bend in any direction

360° swivel in clockwise and counter-clockwise

front view



diameter (D)

focus distance (F)

angle of view (θ)

bend range (α)

SCREWED CABLE (WEAR RESISTANCE, SUITABLE FOR CASTINGS, ENGINES, ETC.)

Code	Cable		Lens								
	length	type	view direction	bend direction	diameter (D)	foucus distance (F)	bend range (α)	angle of view (θ)	illumination	pixel	resolution
ISV-MSU612	1.5m	stainless steel screwed cable	front view	four directions	6mm	15mm~∞	±160°	>120°	6 pcs LED	0.92M	1280×720

To be continued

Continued from previous page

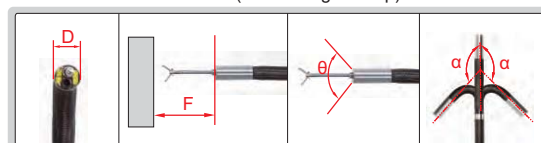


four-direction cable



bend in any direction
360° swivel in clockwise and counter-clockwise

front view (with salvage clamp)



diameter (D)
focus distance (F)
angle of view (θ)
bend range (α)

CABLE WITH CLAMP (MAXIMUM OPENING OF CLAMP IS 7mm)

Code	Cable		Lens								
	length	type	view direction	bend direction	diameter (D)	foucus distance (F)	bend range (α)	angle of view (θ)	illumination	pixel	resolution
ISV-MSU613	1.5m	tungsten wire weaved cable	front view	four directions	6mm	15mm~∞	±160°	>120°	4 pcs LED	0.92M	1280×720



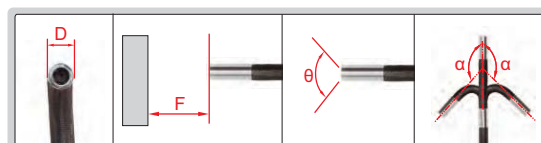
manual joystick

four-direction cable



bend in any direction
360° swivel in clockwise and counter-clockwise

front view



diameter (D)
focus distance (F)
angle of view (θ)
bend range (α)

INFRARED FIBER CABLE

Code	Cable		Lens								
	length	type	view direction	bend direction	diameter (D)	foucus distance (F)	bend range (α)	angle of view (θ)	illumination	pixel	resolution
ISV-MSU614	1.5m	tungsten wire weaved cable	front view	four directions	6mm	1mm~∞	±160°	>120°	2 pcs rear infrared fiber lighting	0.92M	1280×720



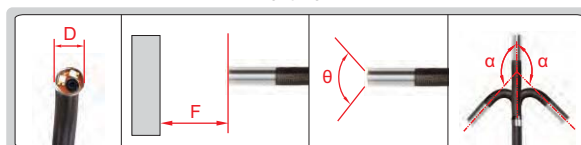
manual joystick

four-direction cable



bend in any direction
360° swivel in clockwise and counter-clockwise

front view



diameter (D)
focus distance (F)
angle of view (θ)
bend range (α)

ULTRAVIOLET CABLE

Code	Cable		Lens								
	length	type	view direction	bend direction	diameter (D)	foucus distance (F)	bend range (α)	angle of view (θ)	illumination	pixel	resolution
ISV-MSU720	2m	tungsten wire weaved cable	front view	four directions	7mm	5~50mm	±160°	>120°	2 pcs ultraviolet LED	0.92M	1280×720



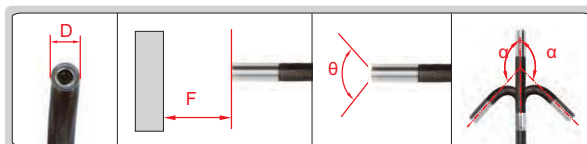
manual joystick

four-direction cable



bend in any direction
360° swivel in clockwise and counter-clockwise

front view



diameter (D)
focus distance (F)
angle of view (θ)
bend range (α)

FIBER CABLE

Code	Cable		Lens								
	length	type	view direction	bend direction	diameter (D)	foucus distance (F)	bend range (α)	angle of view (θ)	illumination	pixel	resolution
ISV-MSU616	1.5m	tungsten wire weaved cable	front view	four directions	6mm	15mm~∞	±160°	>120°	2 pcs rear fiber lighting	0.92M	1280×720

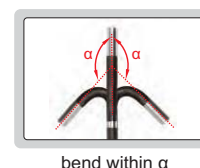
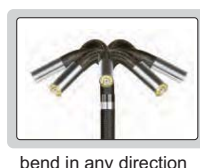
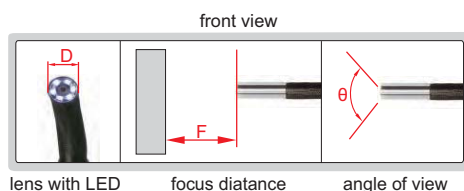
HIGH-DEFINITION 360° SWIVEL VIDEOSCOPIES

IP64
WATERPROOF

TUNGSTEN WIRE WEAVED CABLE
BREAK AND WEAR RESISTANCE



ISV-MS726



SPECIFICATION

Code	ISV-MS726	ISV-MS724
Lens	diameter (D)	6.5mm
	lens bending range (α)	$\pm 160^\circ$
	focus distance (F)	15mm~ ∞
	viewing angle (θ)	$>120^\circ$
	illumination	6 pcs LED
	pixel	0.92M
	resolution	1280x720
	dust/waterproof	IP64
	bend control	manual joystick
Cable	length	1.5m
	type	tungsten wire weaved cable
Main unit	function	take picture, take video
	file format	picture: JPG, video: AVI
	image process	brightness, image quality zoom (1X, 1.5X, 2X, 2.5X, 3X)
	memory	32G SD card
	output	TV, USB, HDMI
	temperature sensing	display real-time temperature of the probe
	screen rotation	180°
	power supply	rechargeable battery (for 4 hours working) AC/DC adapter (for continuous working)
Weight	600g	

connect to 13.3" high-definition display (optional)



STANDARD DELIVERY

Main unit	1 pc
Cable with lens	1 pc
32G SD card	1 pc
AC/DC adapter	1 pc
Video output cable	1 pc
USB cable	1 pc

OPTIONAL ACCESSORY

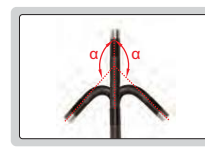
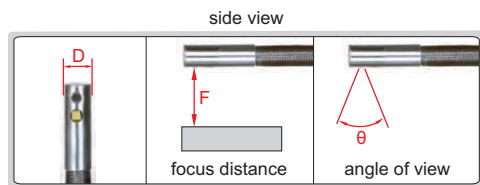
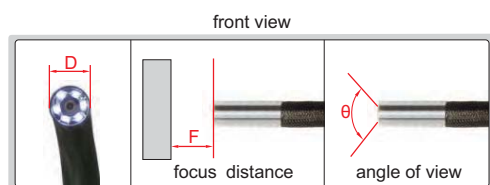
13.3" high-definition display (with HDMI cable)	DL300-DISPLAY
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IP64
WATERPROOF

TUNGSTEN WIRE WEAVED CABLE
RESISTANCE TO BREAK AND WEAR



360° SWIVEL VIDEOSCOPIES



SPECIFICATION

Code		ISV-2002DS	ISV-2000DS	ISV-2001DS	ISV-3002DS	ISV-3000DS	ISV-3001DS	ISV-4000DS
Lens	direction	front view						side view
	diameter (D)	6.5mm			4.5mm			6.5mm
	focus distance (F)	15mm~∞			8~80mm			5~25mm
	bending range (α)	±160°	±160°	±120°	±120°	±120°	±120°	±160°
	angle of view (θ)	90°			80°			>90°
	illumination	6 pcs LED			6 pcs LED			1 pc LED
	pixel	0.44M			0.4M			0.3M
	resolution	800×480						640×480
	dust/waterproof	IP64						
bend control	manual joystick							
Cable	length	1m	1.5m	3m	1m	1.5m	3m	1.5m
	type	tungsten wire weaved cable						
Main unit	function	take picture, take video						
	file format	picture: JPG, video: AVI						
	image process	brightness, image quality zoom (1X, 2X, 3X)						
	memory	8G SD card						
	output	TV, USB						
power supply		rechargeable battery (for 4 hours working) AC/DC adapter (for continuous working)						
Weight		600g	650g	800g	550g	600g	700g	650g

STANDARD DELIEVERY

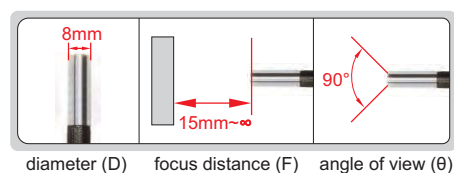
Main unit	1 pc
Cable with lens	1 pc
8G SD card	1 pc
AC/DC adapter	1 pc
Video output cable	1 pc
USB cable	1 pc

MULTIPURPOSE VIDEOSCOPE



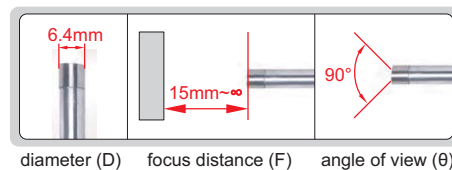
MAIN UNIT (WITHOUT CABLE)

Code	VSP-201
Function	take picture, take video
File format	picture: JPG, video: AVI
Image process	brightness, contrast
Memory	32GB
Output	TV, USB
Power supply	rechargeable battery (for 4 hours working)
Dimension	260×170×65mm
Weight	1.2kg



FOUR-DIRECTION CABLE (FRONT VIEW)

Code	Cable		Lens						
	length	type	diameter (D)	foucus distance (F)	angle of view (θ)	illumination	pixel	resolution	dust/waterproof
VSP-201D	3m	tungsten wire weaved cable	8mm	15mm~∞	90°	6 pcs LED	1M	1280×720	IP67

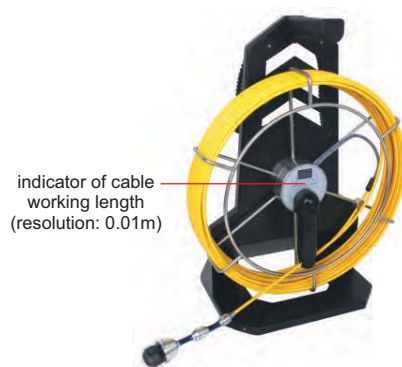


RIGID CABLE

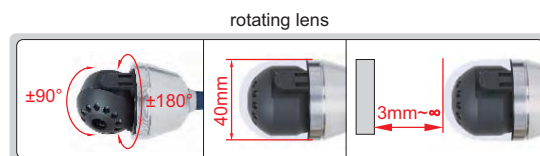
Code	Cable		Lens						
	length	type	diameter (D)	foucus distance (F)	angle of view (θ)	illumination	pixel	resolution	dust/waterproof
VSP-201H	250mm	stainless steel	6.4mm	15mm~∞	90°	6 pcs LED	1M	1280×720	IP64

To be continued

Continued from previous page



support wheel (included)



rotating lens

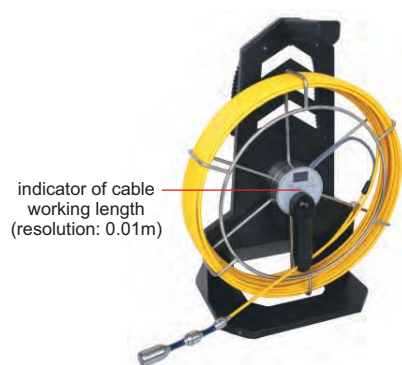
±90° rotation in
radial direction,
±180° rotation in
axial direction

diameter (D)

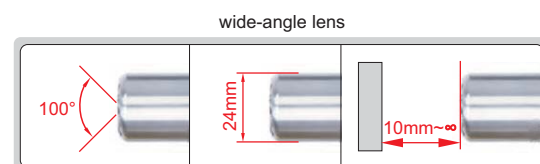
focus distance (F)

ROTATING LENS CABLE

Code	Cable		Lens						
	length	type	diameter (D)	foucus distance (F)	illumination	pixel	resolution	dust/waterproof	lens control
VSP-201R	30m	high strength glass fibre	40mm	3mm~∞	12 pcs LED	0.3M	800×480	IP67	motorized



support wheel (included)



wide-angle lens

angle of view (θ)

diameter (D)

focus distance (F)

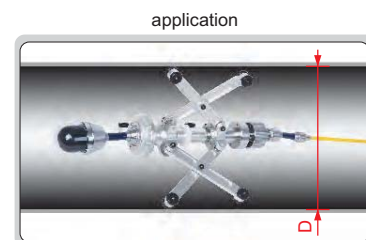
WIDE-ANGLE LENS CABLE

Code	Cable		Lens						
	length	type	diameter (D)	foucus distance (F)	angle of view (θ)	illumination	pixel	resolution	dust/waterproof
VSP-201W	30m	high strength glass fibre	24mm	10mm~∞	100°	12 pcs LED	0.3M	800×480	IP67



ADJUSTABLE SUPPORT

Code	Working diameter (D)	Remark
VSP-201-R200	60~200mm	for VSP-201R or VSP-201W



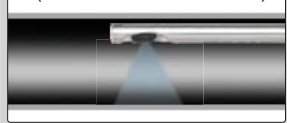
application

SIDE VIEW VIDEOSCOPE (RIGID) CODE ISV-RV



IP57
WATERPROOF

to observe internal wall of holes
(minimum diameter Ø10mm)

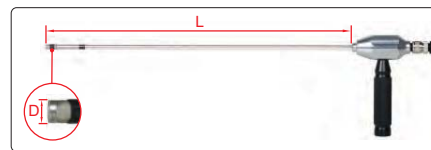
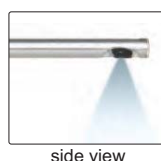
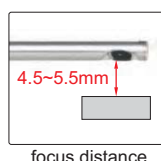
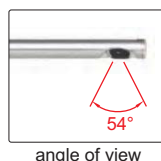


SPECIFICATION

Diameter (D)	5.5mm
Length (L)	350mm
Dust/waterproof probe	IP57
Pixel	0.3M
Resolution	640×480
Frame rate	30fps
Function	take picture, take video
File format	picture: JPG, video: AVI
Memory	2G SD card
Output	TV, USB
Power supply	rechargeable battery (for 3 hours working)
Weight	570g

STANDARD DELIVERY

Main unit	1 pc
2G SD card	1 pc
AC/DC adapter	1 pc
Video output cable	1 pc
USB cable	1 pc



VIDEOSCOPE CODE ISV-E10



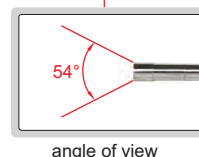
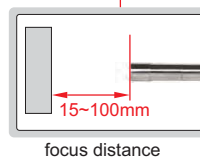
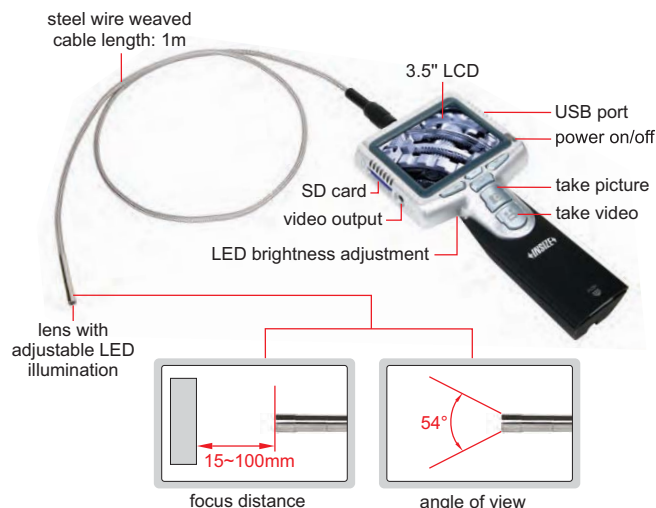
**ATTENTION: THE CABLE CAN BE BENT
BUT CAN'T BE SET AT A FIXED SHAPE**

**OPTIONAL CABLE
LENGTH 3M, 5M AND 10M**

IP65
WATERPROOF

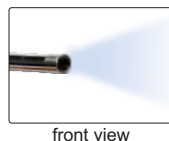
SPECIFICATION

Lens	diameter	5.5mm
	pixel	0.3M
	resolution	640×480
	frame rate	30fps
Cable	length	1m
	type	steel wire weaved cable
Main unit	function	take picture, take video
	file format	picture: JPG, video: AVI
	image process	brightness, contrast, color saturation
	memory	2G SD card
	output	TV, USB
Weight	power supply	rechargeable battery (for 3 hours working)
		450g



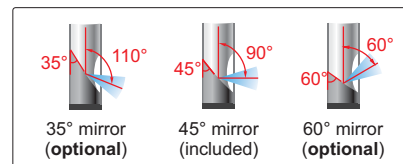
STANDARD DELIVERY

Main unit	1 pc
Cable with lens	1 pc
2G SD card	1 pc
45° mirror	1 pc
AC/DC adapter	1 pc
Video output cable	1 pc
USB cable	1 pc
Lens cleaning kit	1 pc



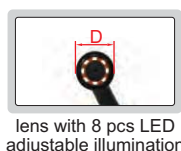
OPTIONAL ACCESSORY

35° mirror	ISV-E55-M35
60° mirror	ISV-E55-M60

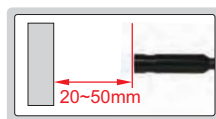


IP57 WATERPROOF

the cable has high illumination and can be set at any shape. it is suitable to observe large internal space like turbocharger.



lens with 8 pcs LED adjustable illumination



focus distance



angle of view

memory cable length: 1m



VIDEOSCOPE CODE ISV-E20

SPECIFICATION

Lens	diameter (D)	12mm
	pixel	0.4M
	resolution	720×682
	frame rate	30fps
Cable	length	1m
	type	memory (can be set at any shape)
Main unit	function	take picture, take video
	file format	picture: JPG, video: AVI
	image process	brightness, contrast, color saturation
	memory	2G SD card
	output	TV, USB
Weight	power supply	rechargeable battery (for 3 hours working)
		600g



45° mirror (optional)



hook (optional)



magnet pick up (optional)

STANDARD DELIVERY

Main unit	1 pc
Cable with lens	1 pc
2G SD card	1 pc
AC/DC adapter	1 pc
Video output cable	1 pc
USB cable	1 pc
Lens cleaning kit	1 pc

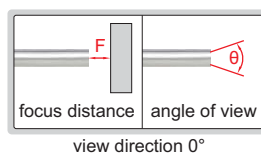
OPTIONAL ACCESSORY

45° mirror	ISV-E20-MIRROR
Hook	ISV-E20-HOOK
Magnet pick up	ISV-E20-MAGNET

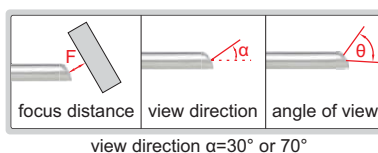


ISV-1H4300

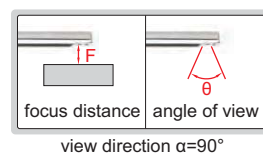
- Focus distance: 2mm, depth of view: 5~100mm
- Dust/waterproof level: IP67
- Can be used in liquid with temperature -10°C~85°C



view direction 0°



view direction α=30° or 70°



view direction α=90°

SPECIFICATION

Code	Length (L)	View direction (α)	Diameter (D)	Angle of view (θ)
ISV-1H4170	174mm	0°	4mm	≥60°
ISV-1H4173	174mm	30°		
ISV-1H4177	174mm	70°		
ISV-1H4179	166mm	90°		
ISV-1H4300	302mm	0°	6mm	≥70°
ISV-1H4303	302mm	30°		
ISV-1H4307	302mm	70°		
ISV-1H4309	297mm	90°		

Code	Length (L)	View direction (α)	Diameter (D)	Angle of view (θ)
ISV-1H6200	209mm	0°	6mm	≥70°
ISV-1H6203	209mm	30°		
ISV-1H6207	209mm	70°		
ISV-1H6209	166mm	90°		
ISV-1H6320	328mm	0°	6mm	≥70°
ISV-1H6323	328mm	30°		
ISV-1H6327	328mm	70°		
ISV-1H6329	330mm	90°		

OPTIONAL ACCESSORY

LED light handle	ISV-1HLED
Adjustable LED light source	ISV-1LED1
Camera	ISV-2CAM



LED light handle (optional)



adjustable LED light source (optional)



camera (optional)

RIGID BORESCOPIES

IP67 WATERPROOF

LED LIGHT HANDLE CODE ISV-1HLED

- For rigid borescopes



battery (included)



charger (included)



SPECIFICATION

Power	3W
Battery	3.7V rechargeable battery (for 2 hours working)
Dimension	120×27×27mm
Weight	300g

STANDARD DELIVERY

Main unit	1 pc
Battery	1 pc
Charger	1 pc

ADJUSTABLE LED LIGHT SOURCE CODE ISV-1LED1

- For rigid borescopes
- High LED illumination and brightness is adjustable
- For long time work with low noise



SPECIFICATION

Color temperature	5600K
Cooling	fan cooling
Power	AC110~220V, 50/60Hz
Dimension	400×300×112mm
Weight	7kg

STANDARD DELIVERY

Main unit	1 pc
1.8m optical fiber cable	1 pc

CAMERA (WITH DISPLAY) CODE ISV-2CAM

TAKE PICTURES
AND VIDEOS

AUTO FOCUS



USB port
HDMI port
power port

13.3" LCD

camera
connector

mouse



- For rigid borescopes
- 1080P high-definition image
- Auto-focus camera
- Take pictures and videos, saved to USB flash disk
- Automatic white balance and exposure
- Brightness, contrast ratio, gain are adjustable

SPECIFICATION

Sensor	1/2.8" CMOS
Pixel	2M
Resolution	1920×1080
Frame rate	60fps
Output	HDMI
Power supply	power adapter
Dimension (L×W×H)	350×100×430mm
Weight	2kg

STANDARD DELIVERY

Camera	1 pc
Connector	1 pc
13.3" LCD	1 pc
16G USB flash disk	1 pc
Mouse	1 pc
HDMI cable	1 pc
Power adapter	2 pcs



16G USB flash disk
(included)