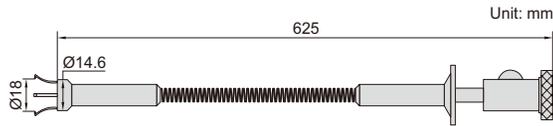
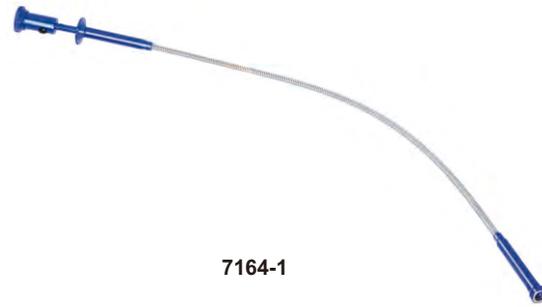


## FLEXIBLE PICK-UP AND FLASHLIGHT

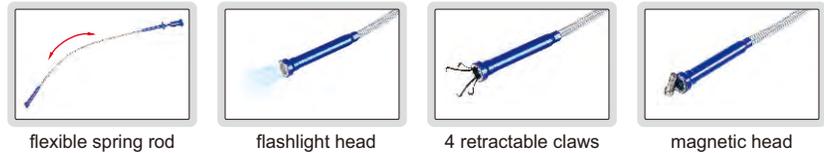


- For illumination and pick up steel parts in hidden areas
- Flexible spring rod, made of stainless steel
- Three LR44 batteries

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



7164-1

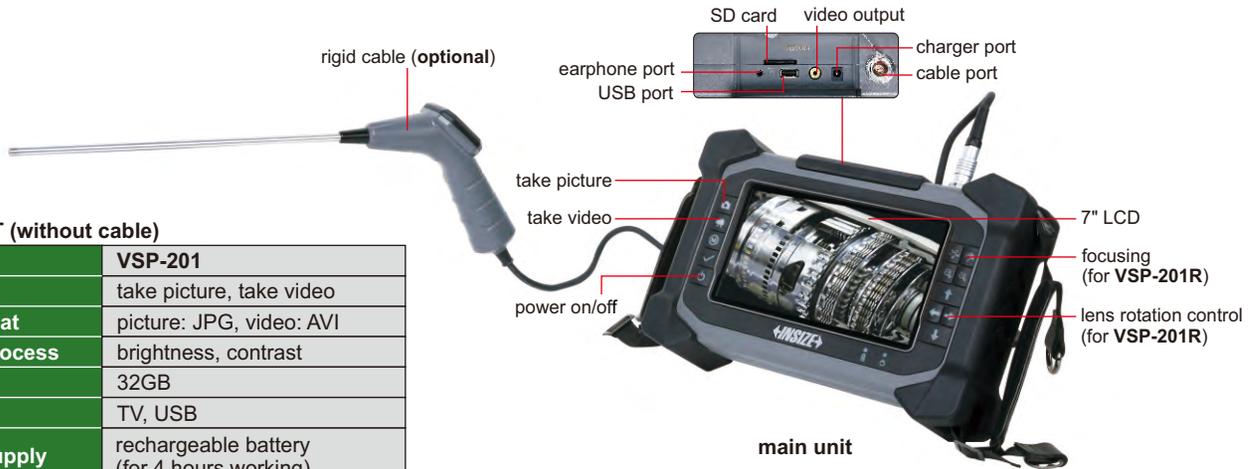


## MULTIPURPOSE VIDEOSCOPE



### MAIN UNIT (without cable)

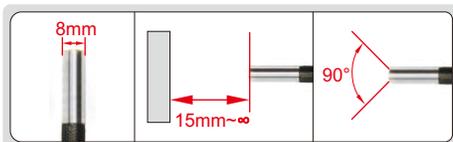
Code	VSP-201
Function	take picture, take video
File format	picture: JPG, video: AVI
Image process	brightness, contrast
Memory	32GB
Output	TV, USB
Power supply	rechargeable battery (for 4 hours working)
Dimension	260×170×65mm
Weight	1.2kg



main unit

19

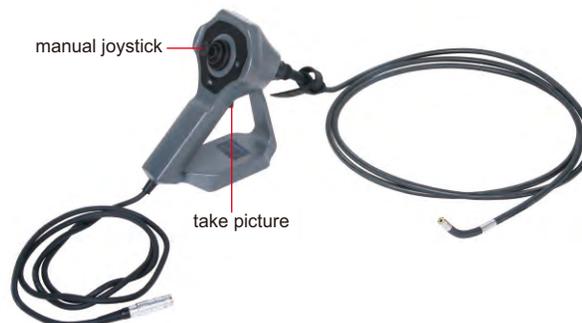
20



diameter (ØD) focus distance (F) angle of view (θ)

### FOUR-DIRECTION CABLE (FRONT VIEW)

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

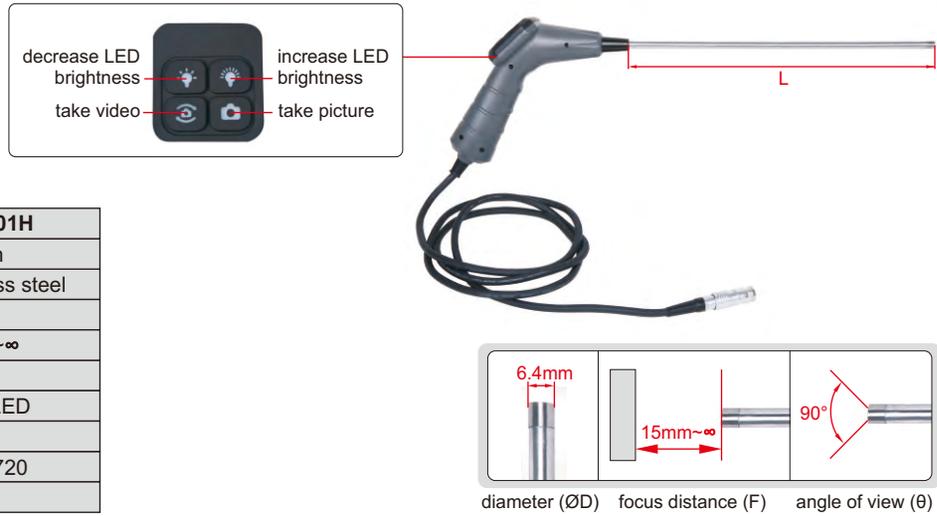


bend in any direction 360° swivel in clockwise and counter-clockwise bend within 120°



To be continued

Continued from previous page

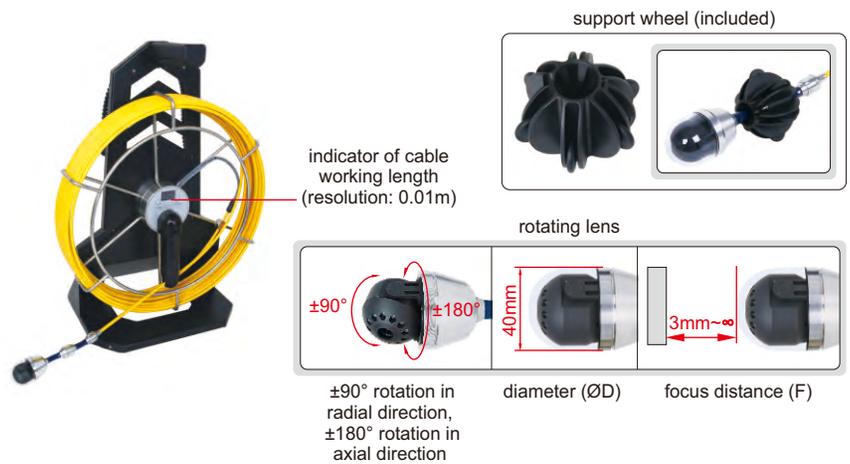


### RIGID CABLE

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

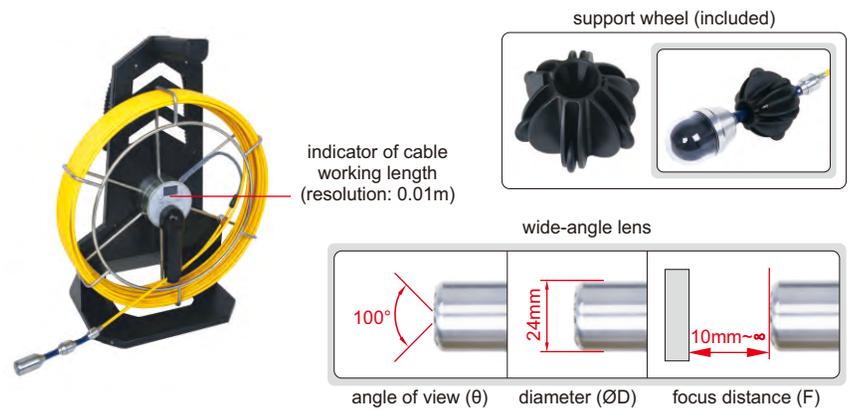
### ROTATING LENS CABLE

<b>Code</b>	<b>VSP-201R</b>	
<b>Cable</b>	length	30m
	type	high strength glass fibre
<b>Lens</b>	diameter (ØD)	40mm
	focus distance (F)	3mm~∞
	angle of view (θ)	100°
	illumination	12 pcs LED
	pixel	0.3M
	resolution	800×480
	dust/waterproof	IP67
lens control	motorized	



### WIDE-ANGLE LENS CABLE

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



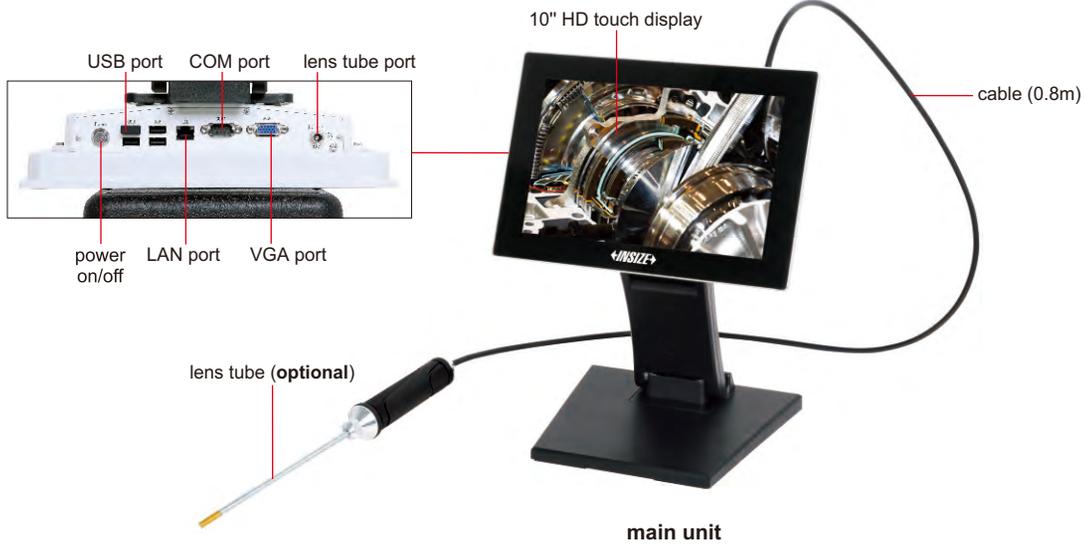
### ADJUSTABLE SUPPORT

<b>Code</b>	<b>Working diameter (ØD)</b>	<b>Remark</b>
VSP-201-R200	60~200mm	for VSP-201R or VSP-201W



# VIDEOSCOPE (DESK TYPE)

REAR FIBER ILLUMINATION



## MAIN UNIT (WITHOUT LENS TUBE)

Code	ISV-Y
Display	10" HD touch display
Function	take picture, take video
File format	picture: JPG, video: MP4
Memory	built-in hard disk or USB flash disk
Image process	image zoom (1X, 2X, 3X, 4X)
Image control	noise reduction, negative film, flip over, freeze, on-line edit
Illumination	stepless adjustment
Additional function	real-time dynamic annotation, real-time watermark, rapid defect mark
Output	USB, HDMI
Power supply	AC/DC adapter (for continuous working)
Weight	1000g

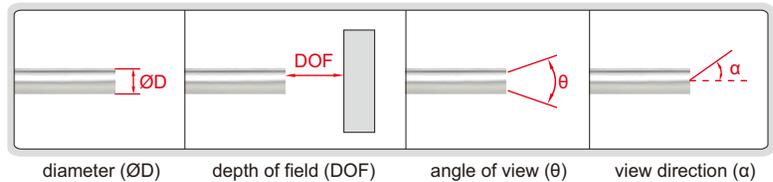
## STANDARD DELIVERY

Main unit	1 pc
USB disk	1 pc
Mouse	1 pc
AC/DC adapter	1 pc

## OPTIONAL ACCESSORY

Lens tube	refer to below details
Software for automatic defect identification	can be customized

20

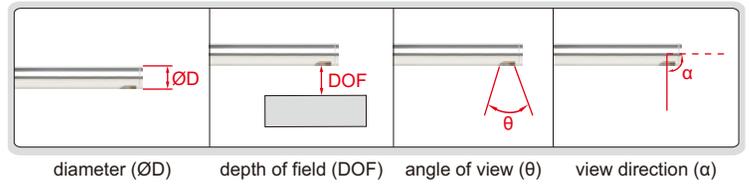


## RIGID STRAIGHT LENS TUBE, FRONT VIEW

Code	Lens tube		pixel	illumination	angle of view (θ)	Lens		dust/ waterproof
	diameter (ØD)	length (L)				depth of field (DOF)	view direction (α)	
ISV-Y1210	1.2mm	90mm	0.04M	rear optical fiber	120°	3~70mm	0°	IP67
ISV-Y1810	1.8mm	120mm (optional 90-150mm)	0.16M			3~70mm	0°	
ISV-Y2010	2.0mm	120mm (optional 90-150mm)	0.16M			3~70mm	0°	
ISV-Y2410	2.4mm	150mm (optional 90-300mm)	0.16M			3~70mm	0°	
ISV-Y2810	2.8mm	150mm (optional 90-300mm)	0.16M			3~70mm	0°	
ISV-Y3910	3.9mm	200mm (optional 90-500mm)	1M			8~150mm	0° (optional 30°, 70°)	
ISV-Y6010	6.0mm	300mm (optional 90-1000mm)	1M			12~200mm	0° (optional 30°, 70°)	

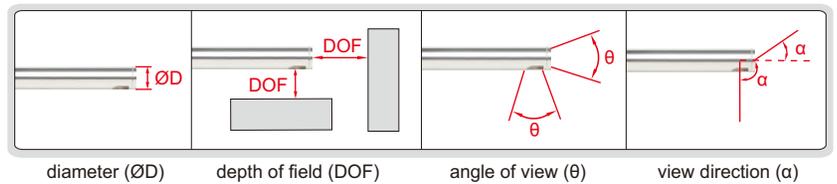
To be continued

Continued from previous page



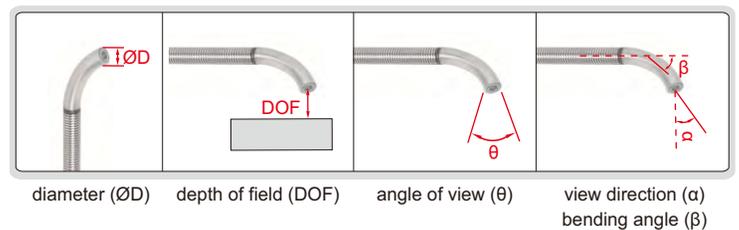
**RIGID STRAIGHT LENS TUBE, SIDE VIEW**

Code	Lens tube		Lens					
	diameter (ØD)	length (L)	pixel	illumination	angle of view (θ)	depth of field (DOF)	view direction (α)	dust/ waterproof
ISV-Y2810C	2.8mm	150mm (optional 90-300mm)	0.16M	rear optical fiber	120°	3~70mm	90°	IP67
ISV-Y3910C	3.9mm	200mm (optional 90-500mm)	1M			8~150mm		
ISV-Y4510C	4.5mm	250mm (optional 90-800mm)	1M			8~150mm		
ISV-Y6010C	6.0mm	300mm (optional 90-1000mm)	1M			12~200mm		



**RIGID STRAIGHT LENS TUBE, FRONT VIEW & SIDE VIEW**

Code	Lens tube		Lens					
	diameter (ØD)	length (L)	pixel	illumination	angle of view (θ)	depth of field (DOF)	view direction (α)	dust/ waterproof
ISV-Y6010S	6.0mm	300mm (optional 90-1000mm)	1M	rear optical fiber	120°	front view: 12~200mm side view: 8~150mm	front view: 0° side view: 90°	IP67

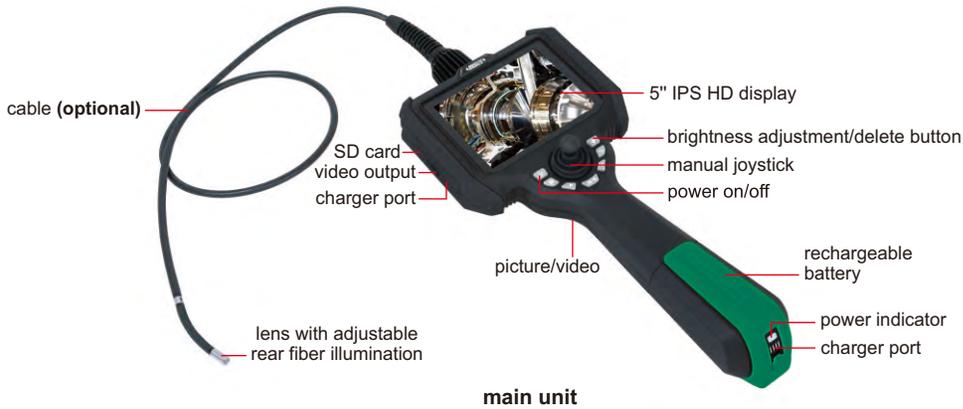


**BENDING SPRING LENS TUBE**

Code	Lens tube		Lens						
	diameter (ØD)	length (L)	pixel	illumination	angle of view (θ)	depth of field (DOF)	view direction (α)	bending angle (β)	dust/ waterproof
ISV-Y3010W	3.0mm	1000mm	0.16M	rear optical fiber	120°	8~150mm	0°	75° (can be customized)	IP65
ISV-Y5010W	5.0mm		1M			8~150mm			
ISV-Y7010W	7.0mm		1M			12~200mm			

## VIDEOSCOPE

REAR FIBER ILLUMINATION



### MAIN UNIT (WITHOUT CABLE)

<b>Code</b>	ISV-L
<b>Display</b>	5" high definition LCD
<b>Resolution</b>	1024×720
<b>Function</b>	take pictures, take videos
<b>File format</b>	picture: JPG, video: MP4
<b>Image process</b>	image zoom (1X, 2X, 3X, 4X)
<b>Image control</b>	freeze, flip over, playback and analog ruler
<b>Memory</b>	memory card
<b>Output</b>	USB, HDMI
<b>Power supply</b>	rechargeable lithium battery (working time ≥ 4hours) AC/DC adapter (for continuous working)
<b>Weight</b>	1000g



tripod (included)



changeable lens cable

20

### STANDARD DELIEVERY

<b>Main unit</b>	1 pc
<b>32G SD card</b>	1 pc
<b>Card reader</b>	1 pc
<b>USB cable</b>	1 pc
<b>Tripod</b>	1 pc
<b>AC/DC adapter</b>	1 pc

### OPERATION ENVIRONMENT

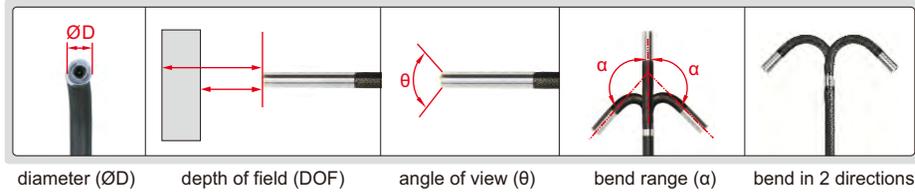
<b>Main unit</b>	-10~50°C, no preheat
<b>Operation temperature</b>	-20~70°C
<b>Storage temperature</b>	-20~60°C
<b>Relative humidity</b>	maximum 90%, no condensation

### OPTIONAL ACCESSORY

<b>Cable</b>	please refer to next pages for details
<b>WIFI output</b>	ISV-L-WIFI (must be installed in factory, only for Android OS)
<b>Temperature alarm</b>	ISV-L-HTALARM (must be installed in factory, for Ø3.9mm, Ø4.5mm and Ø6.0mm)
<b>Clamp</b>	ISV-L-CLAMP1, ISV-L-CLAMP2, ISV-L-CLAMP3, ISV-L-CLAMP4 (must be installed in factory, for Ø3.9mm, Ø4.5mm and Ø6.0mm)

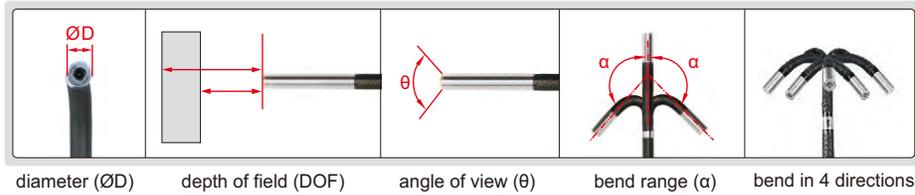
To be continued

Continued from previous page



**TWO-DIRECTION CABLE, FRONT VIEW**

Code	Cable		Lens									
	length	type	view direction	bend direction	diameter (ØD)	depth of field (DOF)	bend range (α)	angle of view (θ)	illumination	pixel	resolution	dust/ waterproof
ISV-L1810	1m	tungsten wire weaved cable	front view	two directions	1.8mm	3~30mm	±160°	>120°	rear fiber	0.16M	400×400	IP65
ISV-L2010	1m				2.0mm	3~30mm						
ISV-L2410	1m				2.4mm	3~70mm (optional 5~100mm)						
ISV-L2415	1.5m											
ISV-L2420	2m											

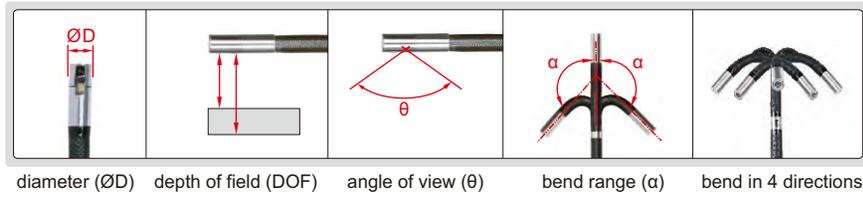


**FOUR-DIRECTION CABLE, FRONT VIEW**

Code	Cable		Lens									
	length	type	view direction	bend direction	diameter (ØD)	depth of field (DOF)	bend range (α)	angle of view (θ)	illumination	pixel	resolution	dust/ waterproof
ISV-L2810	1m	tungsten wire weaved cable	front view	four directions	2.8mm	3~70mm (optional 5~100mm)	±160°	>120°	rear fiber	0.16M	400×400	IP65
ISV-L2815	1.5m											
ISV-L2820	2m											
ISV-L2830	3m				3.9mm	8~150mm (optional 3~70mm)						
ISV-L3910	1m											
ISV-L3915	1.5m											
ISV-L3920	2m				6.0mm	12~200mm (optional 3~70mm, 8~150mm)						
ISV-L3930	3m											
ISV-L3940	4m											
ISV-L3950	5m											
ISV-L6010	1m											
ISV-L6015	1.5m											
ISV-L6020	2m											
ISV-L6030	3m											
ISV-L6040	4m											
ISV-L6050	5m											
ISV-L6060	6m											
ISV-L6070	7m											

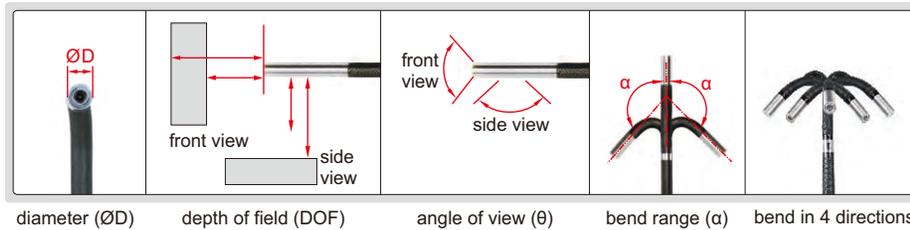
To be continued

Continued from previous page



**FOUR-DIRECTION CABLE, SIDE VIEW**

Code	Cable		Lens									
	length	type	view direction	bend direction	diameter (ØD)	depth of field (DOF)	bend range (α)	angle of view (θ)	illumination	pixel	resolution	dust/ waterproof
ISV-L4510C	1m	tungsten wire weaved cable	side view	four directions	4.5mm	5~100mm	±160°	>120°	rear fiber	0.92M	1280×720	IP67
ISV-L4515C	1.5m					(optional 8~150mm)						
ISV-L4520C	2m											
ISV-L4530C	3m				6.0mm	8~150mm (optional 5~100mm)						
ISV-L6010C	1m											
ISV-L6015C	1.5m											
ISV-L6020C	2m											
ISV-L6030C	3m											
ISV-L6040C	4m											
ISV-L6050C	5m											



20

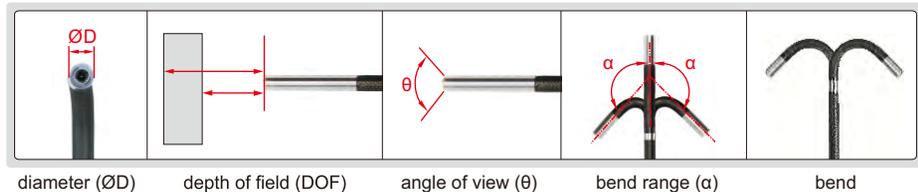
**FOUR-DIRECTION CABLE, FRONT VIEW&SIDE VIEW**

Code	Cable		Lens									
	length	type	view direction	bend direction	diameter (ØD)	depth of field (DOF)	bend range (α)	angle of view (θ)	illumination	pixel	resolution	dust/ waterproof
ISV-L6010S	1m	tungsten wire weaved cable	front view and side view	four directions	6.0mm	front view: 12~200mm	±160°	>120°	rear fiber	0.92M	1280×720	IP67
ISV-L6015S	1.5m					(optional 3~70mm)						
ISV-L6020S	2m					side view: 8~150mm						
ISV-L6030S	3m					(optional 3~70mm)						
ISV-L6040S	4m											
ISV-L6050S	5m											

**REAR FIBER ILLUMINATION**

**ISV-K6015**


changeable lens cable


**SPECIFICATION**

Code		ISV-K1810	ISV-K2410	ISV-K2810	ISV-K3915	ISV-K6015
Lens	diameter (ØD)	1.8mm	2.4mm	2.8mm	3.9mm	6.0mm
	pixel	0.16M			0.92M	
	resolution	400×400			1280×720	
	depth of field	3-30mm	3-70mm	3-70mm	8-150mm	12-200mm
	bending direction	two directions	two directions	four directions	four directions	four directions
	bending range (α)	±160°				
	angle of view (θ)	120°				
	illumination	rear fiber				
	lens	sapphire glass lens				
	dust/waterproof	IP65			IP67	
Cable	bend control	manual joystick				
	length	1m	1m	1m	1.5m	1.5m
Main unit	type	tungsten wire weaved cable				
	display	5" high definition LCD				
	function	take pictures, take videos				
	file format	picture: JPG, video: MP4				
	image process	image zoom (1X, 2X, 3X, 4X)				
	image control	freeze, flip over, playback and analog ruler				
	memory	memory card				
	output	USB, HDMI				
power supply	rechargeable lithium battery (working time ≥ 4hours), AC/DC adapter (for continuous working)					
Weight	1000g					

**STANDARD DELIEVERY**

Main unit	1 pc
32G SD card	1 pc
Card reader	1 pc
USB cable	1 pc
Tripod	1 pc
AC/DC adapter	1 pc

**OPERATION ENVIRONMENT**

Main unit	-10~50°C, no preheat
Operation temperature	-20~70°C
Storage temperature	-20~60°C
Relative humidity	maximum 90%, no condensation

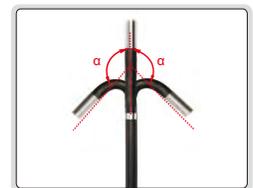
**OPTIONAL ACCESSORY**

WIFI output	ISV-K-WIFI (must be installed in factory, only for Android OS)
Temperature alarm	ISV-K-HTALARM (must be installed in factory, for ISV-K3915 and ISV-K6015)
Clamp	ISV-K-CLAMP1, ISV-K-CLAMP2, ISV-K-CLAMP3, ISV-K-CLAMP4 (must be installed in factory, for ISV-K3915 and ISV-K6015)

# MOBILE PHONE VIDEOSCOPE CODE ISV-P6



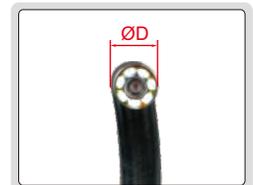
the clamping range of mobile phone bracket L=56-95mm



bending of lens up to 180°



angle of view



lens with LED



bend in any direction

■ For Android and IOS mobile phones

## SPECIFICATION

Diameter of lens (ØD)	6±0.2mm
Length of cable	1m
Resolution	960×720, 1280×720 (switchable)
Depth of field	20mm~∞
Angle of view (θ)	100°
Bending range (α)	0~180°
Illumination	LED with 3 levels control
Cable type	wear resistant
Interface	USB, Type-C
Mobile phone system	Android, IOS
Power supply	rechargeable battery (for 2 hours working)
Dimension (L×W×H)	195×57×105mm
Weight	450g

## STANDARD DELIVERY

Main unit (with cable)	1 pc
Type-C cable	1 pc
Micro USB cable	1 pc
Iphone cable	1 pc
Charging cable	1 pc

TUNGSTEN WIRE WEAVED CABLE  
BREAK AND WEAR RESISTANCE

IP64  
WATERPROOF

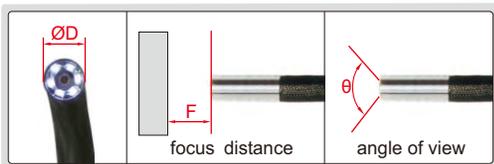


## VIDEOSCOPIES

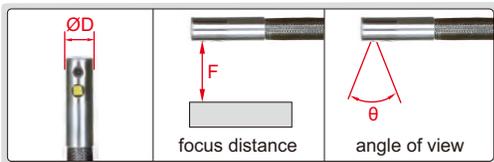
rapid change of lens cable



front view



side view



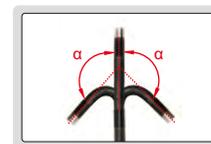
ISV-2000DS



bend in any direction



360° swivel in clockwise and counter-clockwise



bending range of lens

### SPECIFICATION

Code	ISV-2002DS	ISV-2000DS	ISV-2001DS	ISV-3002DS	ISV-3000DS	ISV-3001DS	ISV-4000DS	
Lens	direction	front view					side view	
	diameter (ØD)	6.5mm			4mm		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

## VIDEOSCOPES (BASIC TYPE)

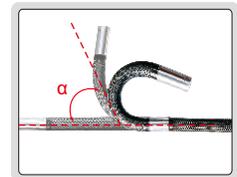
TUNGSTEN WIRE WEAVED CABLE  
BREAK AND WEAR RESISTANCE



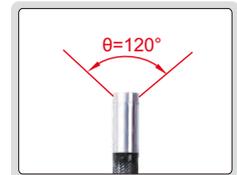
ISV-S106

### SPECIFICATION

Code		ISV-T105	ISV-S106
Lens	diameter (ØD)	6mm	
	pixel	1M	
	resolution	1280×720	
	depth of field	20~150mm	
	bending direction	360°	
	bending range (α)	0°~220°	
	angle of view (θ)	120°	
	illumination	7 pcs LED, with 6 levels control	
	illuminance	25000 Lux	
	lens	sapphire glass lens	
	dust/waterproof	IP67	
	bend control	manual joystick	
Cable	length	1m	1.5m
	type	tungsten wire weaved cable	
Main unit	display	3.5" IPS full-view display	
	display resolution	640×480	
	function	take pictures, take videos	
	file format	picture: JPG, video: MP4	
	image process	image zoom (1X, 2X, 3X, 4X, 5X)	
	memory	memory card (Maximum: 64G)	
	output	USB, HDMI, WIFI (optional)	
	dust/waterproof	IP65	
power supply	rechargeable lithium battery (working time ≥ 3 hours; optional: additional battery, working time ≥ 9 hours)		
	AC/DC adapter (for continuous working)		
Weight		1000g	



220° bending angle



120° view angle



LED 6 levels control



360° bending direction

### STANDARD DELIVERY

Main unit (with cable & lens)	1 pc
16G SD card	1 pc
Card reader	1 pc
USB cable	1 pc
Battery	1 pc
AC/DC adapter	1 pc

### OPTIONAL ACCESSORY

Additional battery	ISV-S106-BATTERY (must be installed in factory)
WIFI output	ISV-S106-WIFI
Temperature alarm	ISV-S106-HT-ALARM

ATTENTION: RESISTANCE TO ACID AND ALKALI LIQUID (CONSULT IS NEEDED)

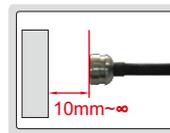
**IP68**  
WATERPROOF

## PIPE VIDEOSCOPE CODE ISV-VP280

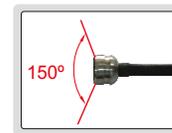


### SPECIFICATION

Lens	diameter	28mm
	dust/waterproof	IP68
	pixel	0.3M
	resolution	640×480
	frame	30fps
Cable	length	30m
	dust/waterproof	IP68
	type	semi-rigid
Main unit	function	take picture and video
	file format	picture: JPG, video: ASF
	image process	mirror, rotate, zoom (1.5X, 2X)
	memory	4G SD card
	output	TV, USB
	power supply	4×AA batteries
Weight		5kg



focus distance



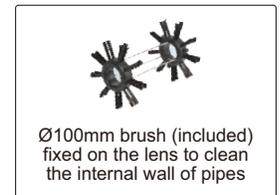
angle of view



can turn at least two times in the pipe (>Ø40mm)



Ø50mm centering ring (optional) fixed on the lens to center lens in the pipe



Ø100mm brush (included) fixed on the lens to clean the internal wall of pipes

### STANDARD DELIVERY

Main unit	1 pc
Cable with lens	1 pc
Stand	1 pc
Indicator of cable working length	1 pc
4G SD card	1 pc
Ø100mm brush	1 pc
AA battery	4 pcs
AAA battery	2 pcs
Video output cable	1 pc
USB cable	1 pc

### OPTIONAL ACCESSORY

Ø50mm centering ring	ISV-VP280-R50
Ø150mm brush	ISV-VP280-B150

# VIDEOSCOPE (BASIC TYPE) CODE ISV-E40

MEMORY CABLE CAN BE SET  
AT ANY SHAPE

**IP67**  
WATERPROOF



magnet pick up (included)



hook (included)

## SPECIFICATION

Lens	diameter (ØD)	8mm
	pixel	0.92M
	resolution	1280x720
	depth of field	30~80mm
	angle of view	77°
	illumination	3 levels
	dust/waterproof	IP67
Cable	length	1180mm
	type	memory (can be set at any shape)
Main unit	display	5" IPS LCD
	function	take picture, take video
	file format	picture: JPG, video: MOV
	image process	image zoom (1.5X, 2X, 3X, 4X)
	memory	memory card (optional)
	output	Type-C
	power supply	rechargeable lithium battery (for 5 hours working)
dimension	217×155×131mm	
Weight	506g	

## STANDARD DELIVERY

Main unit	1 pc
Hook	1 pc
Magnet pick up	1 pc

## OPTIONAL ACCESSORY

32G memory card	ISV-E40-CARD
Card reader	ISV-E40-READER

## OPERATION ENVIRONMENT

Operation temperature	-10~50°C
Storage temperature	-20~60°C
Operation humidity	15%~85%



## VIDEOSCOPE (ECONOMIC TYPE) CODE ISV-E30



cable can be wrapped around the main unit



hook (included)



magnet pick up (included)

### SPECIFICATION

Lens	diameter	5.2mm
	pixel	0.4M
	depth of field	30~80mm
	angle of view	72°
	illumination	8 levels
	dust/waterproof	IP67
Cable	length	1m
	type	memory (can be set at any shape)
Main unit	display	4.3" LCD
	function	take picture, take video
	file format	picture: JPG, video: AVI
	image zoom	2X
	memory card	memory card (optional)
	output	micro USB
	power supply	AA battery
dimension	154×32.5×87.5mm	
Weight		280g

### STANDARD DELIVERY

Main unit	1 pc
Hook	1 pc
Magnet pick up	1 pc
AA battery	4 pcs

### OPTIONAL ACCESSORY

32G memory card	ISV-E30-CARD
Card reader	ISV-E30-READER

### OPERATION ENVIRONMENT

Operation temperature	-10~50°C
Storage temperature	-20~60°C
Operation humidity	15%~85%

## SIDE VIEW VIDEOSCOPE (RIGID) CODE ISV-RV



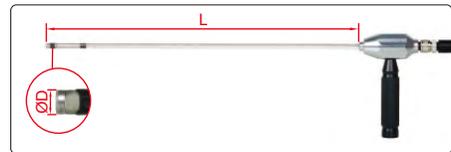
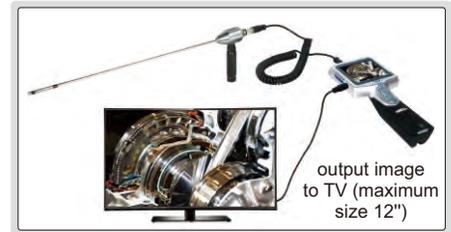
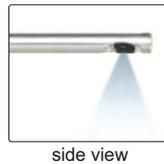
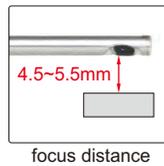
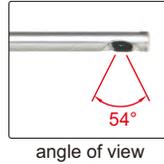
**IP57**  
WATERPROOF

to observe internal wall of holes  
(minimum diameter Ø10mm)



### SPECIFICATION

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



### STANDARD DELIVERY

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

## VIDEOSCOPE (BASIC TYPE) CODE ISV-E10

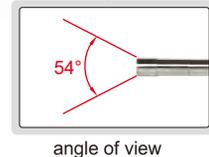
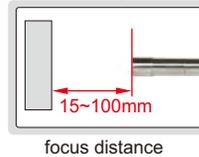
**ATTENTION: THE CABLE CAN BE BENT BUT CAN'T BE SET AT A FIXED SHAPE**

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

**IP65**  
WATERPROOF

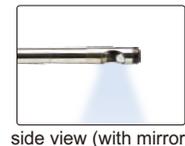
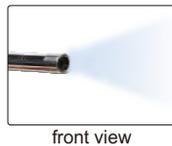
### SPECIFICATION

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



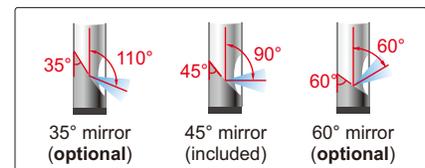
### STANDARD DELIVERY

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



### OPTIONAL ACCESSORY

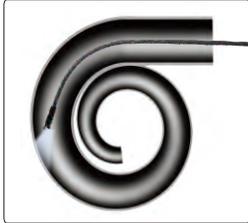
<b>35° mirror</b>	<b>ISV-E55-M35</b>
<b>60° mirror</b>	<b>ISV-E55-M60</b>



**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

## VIDEOSCOPE (BASIC TYPE) CODE ISV-E20

memory cable length: 1m



### SPECIFICATION

Lens	diameter (ØD)	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
	power supply	rechargeable battery (for 3 hours working)
Weight		600g



45° mirror (optional)



hook (optional)



magnet pick up (optional)

### STANDARD DELIVERY

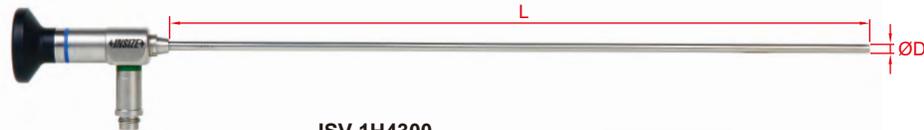
Main unit	1 pc
Cable with lens	1 pc
2G SD card	1 pc
AC/DC adapter	1 pc
Video output cable	1 pc
USB cable	1 pc
Lens cleaning kit	1 pc

### OPTIONAL ACCESSORY

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

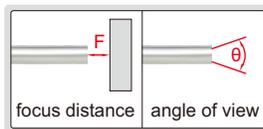
**IP67**  
WATERPROOF

## RIGID BORESCOPIES

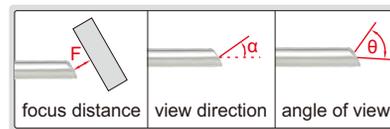


ISV-1H4300

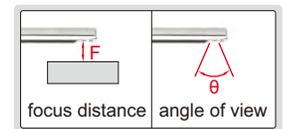
- Focus distance: 2mm, depth of view: 5~100mm
- Dust/waterproof level: IP67
- Can be used in liquid with temperature -10°C~85°C



view direction 0°



view direction  $\alpha=30^\circ$  or  $70^\circ$



view direction  $\alpha=90^\circ$

### SPECIFICATION

Code	Length (L)	View direction ( $\alpha$ )	Diameter (ØD)	Angle of view ( $\theta$ )
ISV-1H4170	174mm	0°	4mm	≥60°
ISV-1H4173	174mm	30°		
ISV-1H4177	174mm	70°		
ISV-1H4300	302mm	0°		
ISV-1H4303	302mm	30°		
ISV-1H4307	302mm	70°		
ISV-1H4309	297mm	90°		

### OPTIONAL ACCESSORY

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



LED light handle (optional)



adjustable LED light source (optional)



camera and display (optional)