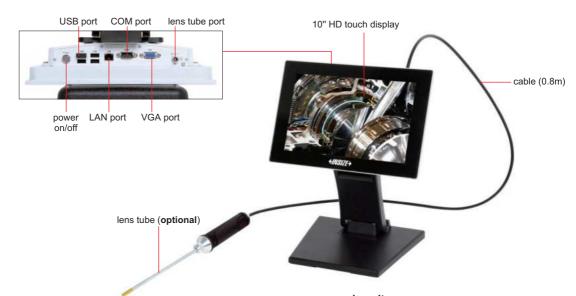
# VIDEOSCOPE (DESK TYPE)

+INSIZE+





# 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)  |  |  |  |  |
| Image control       | noise reduction, negative film,<br>flip over, freeze, on-line edit   |  |  |  |  |
| Illumination        | stepless adjustment  |  |  |  |  |
| Additional function | real-time dynamic annotation, real-time watermark, rapid defect mark |  |  |  |  |
| Output              | USB  |  |  |  |  |
| Power supply        | AC/DC adapter (for continuous working)                               |  |  |  |  |
| Weight              | 1000g  |  |  |  |  |

main unit

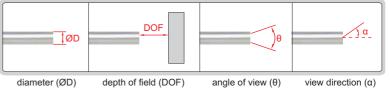
### STANDARD DELIEVERY

| 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      |





# **RIGID STRAIGHT LENS TUBE, FRONT VIEW**

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

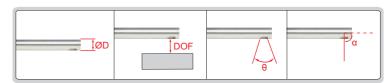
To be continued

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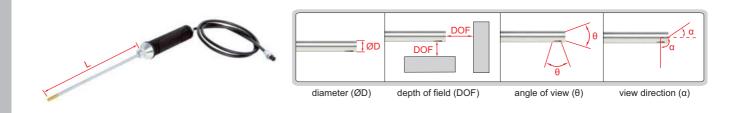




diameter (ØD) depth of field (DOF) angle of view ( $\theta$ ) view direction ( $\alpha$ )

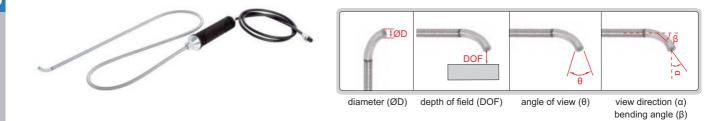
### **RIGID STRAIGHT LENS TUBE, SIDE VIEW**

|            |                  | Lens tube                          | Lens  |               |                      |                         |                       |                     |  |  |
|------------|------------------|------------------------------------|-------|---------------|----------------------|-------------------------|-----------------------|---------------------|--|--|
| Code       | diameter<br>(ØD) | longth (I)                         |       | illumination  | angle of<br>view (θ) | depth of<br>field (DOF) | view<br>direction (α) | dust/<br>waterproof |  |  |
| ISV-Y2810C | 2.8mm            | 150mm ( <b>optional</b> 90-300mm)  | 0.16M |               |                      | 3~70mm                  |                       |                     |  |  |
| ISV-Y3910C | 3.9mm            | 200mm ( <b>optional</b> 90-500mm)  | 1M    | rear          | 120°                 | 8~150mm                 | 90°                   | IP67                |  |  |
| ISV-Y4510C | 4.5mm            | 250mm (optional 90-800mm)          | 1M    | optical fiber | 120                  | 8~150mm                 | 90                    | 1-07                |  |  |
| ISV-Y6010C | 6.0mm            | 300mm ( <b>optional</b> 90-1000mm) | 1M    |               |                      | 12~200mm                | 1                     |                     |  |  |



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

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



#### **BENDING SPRING LENS TUBE**

|            | Lens             | tube       |                       |              |                      | Lens                    |                       |                      |                     |  |      |         |    |                         |      |
|------------|------------------|------------|-----------------------|--------------|----------------------|-------------------------|-----------------------|----------------------|---------------------|--|------|---------|----|-------------------------|------|
| Code       | diameter<br>(ØD) | length (L) | pixel                 | illumination | angle of<br>view (θ) | depth of<br>field (DOF) | view<br>direction (α) | bending<br>angle (β) | dust/<br>waterproof |  |      |         |    |                         |      |
| ISV-Y3010W | 3.0mm            |            | 0.16M                 |              |                      | 8~150mm                 |                       | 750 / 1              |                     |  |      |         |    |                         |      |
| ISV-Y5010W | 5.0mm            | 1000mm     | 1M rear optical fiber | rear optical |                      |                         | •                     |                      |                     |  | 120° | 8~150mm | 0° | 75° (can be customized) | IP65 |
| ISV-Y7010W | 7.0mm            |            | 1M                    | liber        |                      | 12~200mm                |                       |                      |                     |  |      |         |    |                         |      |







### MAIN UNIT (WITHOUT CABLE)

| Code          | ISV-L  |
|---------------|--|
| Display       | 5" high definition LCD   |
| Resolution    | 1024×720   |
| 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        | WIFI (only for Android OS), USB, HDMI  |
| Power supply  | rechargeable lithium battery (working time ≥ 4hours)<br>AC/DC adapter (for continuous working) |
| Weight        | 1000g  |





ISV-L-CLAMP (optional)

WIFI real-time image transmission

#### **OPERATION ENVIRONMENT**

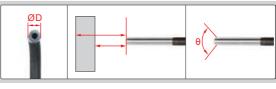
| Main unit             | -10~50°C, no preheat         |
|-----------------------|------------------------------|
| Operation temperature | -20~70°C                     |
| Storage temperature   | -20~60°C                     |
| Relative humidity     | maximum 90%, no condensation |

### 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 |

# **OPTIONAL ACCESSORY**

| OF HONAL ACCESSORT   |  |  |  |  |  |  |
|--|--|--|--|--|--|--|
| please refer to details  |  |  |  |  |  |  |
| <b>ISV-L-HTALARM</b> (must be installed in factory, for Ø3.9mm, Ø4.5mm and Ø6.0mm) |  |  |  |  |  |  |
| ISV-L-HOOK (must be installed in factory, for Ø3.9mm, Ø4.5mm and Ø6.0mm)           |  |  |  |  |  |  |
| ISV-L-MAGNET (must be installed in factory, for Ø3.9mm, Ø4.5mm and Ø6.0mm)         |  |  |  |  |  |  |
| ISV-L-CLAMP  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |



#### diameter (ØD)

depth of field (DOF) angle of view ( $\theta$ )

# **ONE-DIRECTION CABLE (NO BENDING), FRONT VIEW**

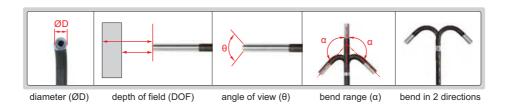
|            | Cable  |                              | Lens              |                  |                         |                      |              |               |            |                     |       |            |       |         |      |
|------------|--------|------------------------------|-------------------|------------------|-------------------------|----------------------|--------------|---------------|------------|---------------------|-------|------------|-------|---------|------|
| Code       | length | type                         | view<br>direction | diameter<br>(ØD) | depth of<br>field (DOF) | angle of<br>view (θ) | illumination | pixel         | resolution | dust/<br>waterproof |       |            |       |         |      |
| ISV-L09505 | 0.5m   | spring tube<br>tungsten wire |                   | 0.95mm           | 3~30mm                  |                      |              |               |            |                     |       |            |       |         |      |
| ISV-L09510 | 1m     |                              |                   | 3~30mm           |                         |                      |              |               |            |                     |       |            |       |         |      |
| ISV-L1210  | 1m     |                              |                   |                  |                         |                      |              | front<br>view | 1.2mm      | 3~30mm              | >120° | rear fiber | 0.16M | 400×400 | IP65 |
| ISV-L1510  | 1m     |                              |                   | 1.5mm            | 270mm                   |                      |              |               |            |                     |       |            |       |         |      |
| ISV-L1515  | 1.5m   | weaved cable                 |                   | 1.5mm            | 5mm 3~70mm              |                      |              |               |            |                     |       |            |       |         |      |

To be continued

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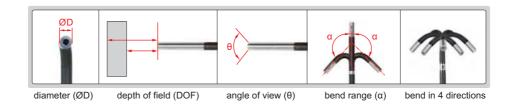


*<b>HINSIZE* 



# TWO-DIRECTION BENDING CABLE, FRONT VIEW

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

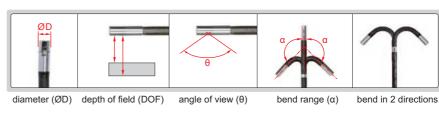


# FOUR-DIRECTION BENDING CABLE, FRONT VIEW

|           | C      | able     | Lens              |                   |                  |   |                      |                         |              |          |            |                     |
|-----------|--------|----------|-------------------|-------------------|------------------|---|----------------------|-------------------------|--------------|----------|------------|---------------------|
| Code      | length | type     | view<br>direction | bend<br>direction | diameter<br>(ØD) | depth<br>of field<br>(DOF)              | bend<br>range<br>(α) | angle<br>of<br>view (θ) | illumination | pixel    | resolution | dust/<br>waterproof |
| ISV-L2810 | 1m     |          |                   |                   |                  | 0.70                                    |                      |                         |              |          |            |                     |
| ISV-L2815 | 1.5m   |          |                   |                   | 2.8mm            | 3~70mm<br>( <b>optional</b><br>5~100mm) |                      |                         |              | 0.16M    | 400×400    | IP65                |
| ISV-L2820 | 2m     |          |                   |                   | 2.011111         |   |                      |                         |              | 0.100    | 400^400    | 1603                |
| ISV-L2830 | 3m     |          |                   |                   |                  | ,                                       |                      |                         |              |          |            |                     |
| ISV-L3910 | 1m     |          |                   |                   |                  |   |                      |                         |              |          |            |                     |
| ISV-L3915 | 1.5m   |          |                   |                   |                  | 0.450                                   |                      |                         |              |          |            |                     |
| ISV-L3920 | 2m     |          |                   |                   | 3.9mm            | 8~150mm<br>( <b>optional</b>            |                      |                         |              | 0.92M    | 1280×720   | IP67                |
| ISV-L3930 | 3m     | tungsten |                   |                   | 3~70mm)          |   |                      |                         | 0.3210       | 1200~720 | 11 07      |                     |
| ISV-L3940 | 4m     | wire     | front             |                   |                  |   | ±160°                | >120°                   | rear fiber   |          |            |                     |
| ISV-L3950 | 5m     | weaved   |                   | directions        |                  |   | 100                  | - 120                   |              |          |            |                     |
| ISV-L6010 | 1m     | cable    |                   |                   |                  |   |                      |                         |              |          |            |                     |
| ISV-L6015 | 1.5m   |          |                   |                   |                  |   |                      |                         |              |          |            |                     |
| ISV-L6020 | 2m     |          |                   |                   |                  | 12~200mm                                |                      |                         |              |          |            |                     |
| ISV-L6030 | 3m     |          |                   |                   | 6.0mm            | (optional                               |                      |                         |              | 0.92M    | 1280×720   | IP67                |
| ISV-L6040 | 4m     | 1        |                   |                   | 0.0/11/1         | 3~70mm,                                 |                      |                         |              | 0.02101  | 1200×120   | IFOT                |
| ISV-L6050 | 5m     |          |                   |                   |                  | 8~150mm)                                |                      |                         |              |          |            |                     |
| ISV-L6060 | 6m     |          |                   |                   |                  |   |                      |                         |              |          |            |                     |
| ISV-L6070 | 7m     |          |                   |                   |                  |   |                      |                         |              |          |            |                     |

To be continued

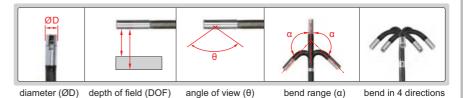
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*INSIZE* 

TWO-DIRECTION BENDING CABLE, SIDE VIEW

|            | Ca     | able             | Lens              |                   |                  |                            |                      |                         |               |        |            |                     |
|------------|--------|------------------|-------------------|-------------------|------------------|----------------------------|----------------------|-------------------------|---------------|--------|------------|---------------------|
| Code       | length | type             | view<br>direction | bend<br>direction | diameter<br>(ØD) | depth<br>of field<br>(DOF) | bend<br>range<br>(α) | angle<br>of<br>view (θ) | illumination  | pixel  | resolution | dust/<br>waterproof |
| ISV-L1810C | 1m     | tungsten<br>wire | viro              | two               | 0 1.0mm          | 3~30mm                     | 14000                | >120°                   | na an file an | 0.4014 | 400+400    | IP65                |
| ISV-L1815C | 1.5m   | weaved cable     | side view         | directions        | 1.8mm            | 5~30mm                     | ±160°                | ~120*                   | rear fiber    | 0.16M  | 400×400    | 1602                |

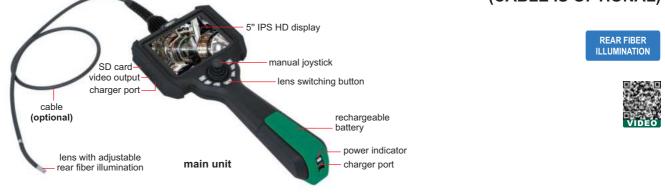


# FOUR-DIRECTION BENDING CABLE, SIDE VIEW

|            | Ca     | able     |                   |                    |                  |                               | L                    | .ens                    |              |        |            |                     |
|------------|--------|----------|-------------------|--------------------|------------------|-------------------------------|----------------------|-------------------------|--------------|--------|------------|---------------------|
| Code       | length | type     | view<br>direction | bend<br>direction  | diameter<br>(ØD) | depth<br>of field<br>(DOF)    | bend<br>range<br>(α) | angle<br>of<br>view (θ) | illumination | pixel  | resolution | dust/<br>waterproof |
| ISV-L2810C | 1m     |          |                   |                    |                  |                               |                      |                         |              |        |            |                     |
| ISV-L2815C | 1.5m   |          |                   |                    | 2.8mm            | 3~70mm                        |                      |                         |              | 0.16M  | 400×400    | IP65                |
| ISV-L2820C | 2m     |          |                   |                    | 2.011111         | 57011111                      |                      |                         |              | 0.1000 | 400^400    | 1603                |
| ISV-L2830C | 3m     |          |                   |                    |                  |                               |                      |                         |              |        |            |                     |
| ISV-L4510C | 1m     |          |                   |                    |                  |                               |                      |                         |              |        |            |                     |
| ISV-L4515C | 1.5m   | tungsten | side view         | four<br>directions | 4.5mm            | 5~100mm                       |                      |                         |              |        |            |                     |
| ISV-L4520C | 2m     | wire     |                   |                    |                  | ( <b>optional</b><br>8~150mm) | ±160°                | >120°                   | rear fiber   |        |            |                     |
| ISV-L4530C | 3m     | weaved   | Side view         |                    |                  | o,                            | 100                  | -120                    |              |        |            |                     |
| ISV-L6010C | 1m     | cable    |                   |                    |                  |                               |                      |                         |              | 0.92M  | 960×720    | IP67                |
| ISV-L6015C | 1.5m   |          |                   |                    |                  |                               |                      |                         |              | 0.5210 | 500~720    | 1-07                |
| ISV-L6020C | 2m     |          |                   |                    | 6.0mm            | 8~150mm                       |                      |                         |              |        |            |                     |
| ISV-L6030C | 3m     |          |                   |                    | 6.0mm            | ( <b>optional</b><br>5~100mm) |                      |                         |              |        |            |                     |
| ISV-L6040C | 4m     |          |                   |                    |                  |                               |                      |                         |              |        |            |                     |
| ISV-L6050C | 5m     |          |                   |                    |                  |                               |                      |                         |              |        |            |                     |

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# FRONT AND SIDE VIEW VIDEOSCOPE (CABLE IS OPTIONAL)



To be continued



Continued from previous page



WIFI real-time image transmission





changeable lens cable

**OPTIONAL ACCESSORY** 

**Temperature alarm** 

Cable

Hook

Magnet

Clamp

tripod (included)

please refer to details **ISV-S-HTALARM** 

**ISV-S-HOOK** 

**ISV-S-MAGNET** 

**ISV-K-CLAMP** 



ISV-K-CLAMP (optional)

(must be installed in factory, for Ø3.9mm, Ø6.0mm)

(must be installed in factory, for Ø3.9mm, Ø6.0mm)

(must be installed in factory, for Ø3.9mm, Ø6.0mm)

ISV-S-MAGNET (optional)

# MAIN UNIT (WITHOUT CABLE)

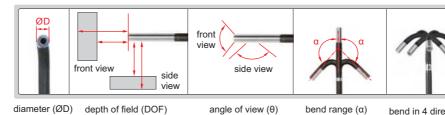
| Code                                      | ISV-S  |  |  |  |  |  |  |
|---|--|--|--|--|--|--|--|
| Display                                   | 5" high definition LCD   |  |  |  |  |  |  |
| Resolution                                | 1024×720   |  |  |  |  |  |  |
| Function                                  | 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                                    | WIFI (only for Android OS), USB, HDMI  |  |  |  |  |  |  |
| Power supply                              | rechargeable lithium battery<br>(working time ≥ 4hours)<br>AC/DC adapter<br>(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%,<br>no condensation |



diameter (ØD) depth of field (DOF) angle of view ( $\theta$ )

bend in 4 directions

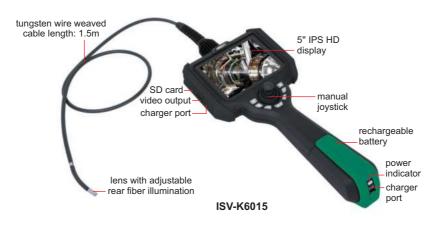
# FOUR-DIRECTION BENDING CABLE, FRONT VIEW&SIDE VIEW

|           | C      | able             | Lens              |  |                  |  |                      |                         |              |        |            |                     |  |
|-----------|--------|------------------|-------------------|--|------------------|--|----------------------|-------------------------|--------------|--------|------------|---------------------|--|
| Code      | length | type             | view<br>direction | bend<br>direction                                    | diameter<br>(ØD) | depth of<br>field<br>(DOF)                           | bend<br>range<br>(α) | angle<br>of view<br>(θ) | illumination | pixel  | resolution | dust/<br>waterproof |  |
| ISV-S2810 | 1m     | tungsten         |                   |  |                  | front view:  |                      |                         |              |        |            |                     |  |
| ISV-S2815 | 1.5m   | wire             | front view<br>and | four   | 2.8mm            | 3~70mm   | ±160°                | >120°                   | front LED    | 0.16M  | 400×400    | IP65                |  |
| ISV-S2820 | 2m     | weaved           | side view         | directions   | 2.011111         | side view:<br>3~70mm                                 | 100                  | - 120                   |              | 0.101  | 400×400    | 1202                |  |
| ISV-S2830 | 3m     | cable            |                   |  |                  | 57011111   |                      |                         |              |        |            |                     |  |
| ISV-S3910 | 1m     |                  |                   |  |                  |  |                      |                         |              |        |            |                     |  |
| ISV-S3915 | 1.5m   | tungsten         |                   | front view<br>and<br>side view<br>four<br>directions | 3.9mm            | front view:<br>7~150mm<br>side view:<br>5~80mm ±160° |                      |                         |              |        |            |                     |  |
| ISV-S3920 | 2m     | wire             | front view        |  |                  |  | +160°                | >120°                   | rear fiber   | 0.92M  | 1280×720   | IP67                |  |
| ISV-S3930 | 3m     | weaved           | side view         |  |                  |  | 100 1120             | - 120                   |              | 0.021  |            |                     |  |
| ISV-S3940 | 4m     | cable            |                   |  |                  |  |                      |                         |              |        |            |                     |  |
| ISV-S3950 | 5m     |                  |                   |  |                  |  |                      |                         |              |        |            |                     |  |
| ISV-S6010 | 1m     |                  |                   |  |                  | front view:  |                      |                         |              |        |            |                     |  |
| ISV-S6015 | 1.5m   | tungeton         |                   |  |                  | 12~200mm<br>( <b>optional</b>                        |                      |                         |              |        |            |                     |  |
| ISV-S6020 | 2m     | tungsten<br>wire | from view         | four   | 0.0              | ( <b>optional</b><br>3~70mm)                         | . 4000               | . 1000                  | Ch           | 0.0014 | 1000700    | IP67                |  |
| ISV-S6030 | 3m     | weaved           | and<br>side view  | directions   | 6.0mm            | side view:   | ±160°                | >120°                   | rear fiber   | 0.92M  | 1280×720   |                     |  |
| ISV-S6040 | 4m     | cable            | le las now        |  |                  | 8~150mm<br>( <b>optional</b>                         |                      |                         |              |        |            |                     |  |
| ISV-S6050 | 5m     |                  |                   |  |                  | 3~70mm)  |                      |                         |              |        |            |                     |  |



# **VIDEOSCOPES (WITH CABLE)**







ISV-K-MAGNET (optional)



ISV-K-HOOK (optional)

WIFI real-time image transmission



changeable lens cable

ISV-K-CLAMP (optional)

# SPECIFICATION

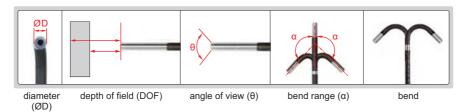
| Code   |                   | ISV-K1810   | ISV-K2410             | ISV-K2810       | ISV-K3915       | ISV-K6015       |  |  |  |  |  |  |
|--------|-------------------|---|-----------------------|-----------------|-----------------|-----------------|--|--|--|--|--|--|
|        | diameter (ØD)     | 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 |  |  |  |  |  |  |
| Lens   | bending range (α) | ±160°   | ±160°                 |                 |                 |                 |  |  |  |  |  |  |
|        | angle of view (θ) | 120°  | 120°                  |                 |                 |                 |  |  |  |  |  |  |
|        | illumination      | rear fiber  | rear fiber            |                 |                 |                 |  |  |  |  |  |  |
|        | lens              | sapphire glass lens   |                       |                 |                 |                 |  |  |  |  |  |  |
|        | dust/waterproof   | IP65  |                       |                 | IP67            |                 |  |  |  |  |  |  |
|        | bend control      | manual joystick   |                       |                 |                 |                 |  |  |  |  |  |  |
| Cable  | length            | 1m  | 1m                    | 1m              | 1.5m            | 1.5m            |  |  |  |  |  |  |
| Capie  | type              | tungsten wire weaved cable  |                       |                 |                 |                 |  |  |  |  |  |  |
|        | display           | 5" high definition LCD  |                       |                 |                 |                 |  |  |  |  |  |  |
|        | function          | take pictures, take videos  |                       |                 |                 |                 |  |  |  |  |  |  |
|        | file format       | picture: JPG, video: MP4  |                       |                 |                 |                 |  |  |  |  |  |  |
| Main   | image process     | image zoom (1X, 2)  | K, 3X, 4X)            |                 |                 |                 |  |  |  |  |  |  |
| unit   | image control     | freeze, flip over, pla  | yback and analog rule | er              |                 |                 |  |  |  |  |  |  |
|        | memory            | memory card   |                       |                 |                 |                 |  |  |  |  |  |  |
|        | output            | WIFI (only for Andro  | oid OS), USB, HDMI    |                 |                 |                 |  |  |  |  |  |  |
|        | power supply      | rechargeable lithium battery (working time ≥ 4 hours), AC/DC adapter (for continuous working) |                       |                 |                 |                 |  |  |  |  |  |  |
| Weight |                   | 1000g   |                       |                 |                 |                 |  |  |  |  |  |  |

To be continued

780



*<i>AINSIZE* 



**OPTIONAL ACCESSORY** 

#### STANDARD DELIEVERY

| Main unit (with cable) | 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 |

UV VIDEOSCOPES (WITH CABLE)

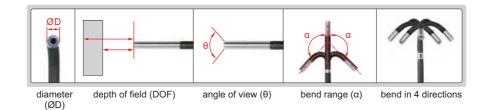
| Temperature alarm | ISV-K-HTALARM (must be installed in factory, for ISV-K3915 and ISV-K6015) |
|-------------------|---|
| Hook              | ISV-K-HOOK (must be installed in factory, for ISV-K3915 and ISV-K6015)    |
| Magnet            | ISV-K-MAGNET (must be installed in factory, for ISV-K3915 and ISV-K6015)  |
| Clamp             | ISV-K-CLAMP   |

# SD card 5" IPS HD display manual joystick video output 1m cable charger port lens with UV adjustable rechargeable rear fiber illumination battery power 25 charger port indicator tripod (included) ISV-U6010 ISV-U-MAGNET (optional) ISV-U-HOOK (optional) WIFI real-time image transmission changeable lens cable ISV-K-CLAMP (optional)

To be continued

# UV OPTICAL FIBER





#### **TECHNICAL PARAMETER**

| Code         |                        | ISV-U6010   | ISV-U6020                         | ISV-U6030 | ISV-U8010 | ISV-U8020 | ISV-U8030 |  |
|--------------|------------------------|---|-----------------------------------|-----------|-----------|-----------|-----------|--|
|              | diameter (ØD)          | Ø6mm  | Ø6mm Ø8mm                         |           |           |           |           |  |
|              | pixel                  | 1M  | 1M                                |           |           |           |           |  |
|              | lens length            | 13±0.5mm  | 13±0.5mm                          |           |           |           |           |  |
|              | depth of field (DOF)   | 10~200mm ( <b>optional</b> 50mm~∞)  |                                   |           |           |           |           |  |
| Camera       | bend direction         | four directions   |                                   |           |           |           |           |  |
| Gainera      | bend ramher (a)        | ±150°   | ±130°                             | ±100°     | ±150°     | ±130°     | ±100°     |  |
|              | angel of view (θ)      | 120°  |                                   |           |           |           |           |  |
|              | lighting               | rear UV fiber optic illumination  |                                   |           |           |           |           |  |
|              | ultraviolet wavelength | 365nm   |                                   |           |           |           |           |  |
|              | waterproof grade       | IP67  |                                   |           |           |           |           |  |
| Cable        | length                 | 1m  | 2m                                | 3m        | 1m        | 2m        | 3m        |  |
| Cable        | type                   | soft (tungster  | soft (tungsten wire weaved cable) |           |           |           |           |  |
|              | display                | 5" HD IPS display screen  |                                   |           |           |           |           |  |
|              | file format            | picture: JPG, video: AVI  |                                   |           |           |           |           |  |
| Main         | image control          | freezing, zoom, flip over, playback and analog ruler  |                                   |           |           |           |           |  |
| Main<br>unit | memory                 | memory card   |                                   |           |           |           |           |  |
| unit         | output                 | WIFI (only for Android OS), USB, HDMI   |                                   |           |           |           |           |  |
|              | power supply           | rechargeable lithium battery (working time ≥ 4hours),<br>AC/DC adapter (for continuous working) |                                   |           |           |           |           |  |
| Weight       |                        | 1000g   |                                   |           |           |           |           |  |

# STANDARD DELIEVERY

| Main unit (with cable) | 1 pc |
|------------------------|------|
| 32G SD card            | 1 pc |
| Card reader            | 1 pc |

| USB cable     | 1 pc |    |
|---------------|------|----|
| Tripod        | 1 pc | 25 |
| AC/DC adapter | 1 pc |    |

INSIZE+

# **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**

| Hook   | ISV-U-HOOK (must be installed in factory)   |  |
|--------|---|--|
| Magnet | ISV-U-MAGNET (must be installed in factory) |  |
| Clamp  | ISV-K-CLAMP                                 |  |



# **VIDEOSCOPES (BASIC TYPE)**



diameter depti (ØD)

depth of field (DOF) angle of view (θ)

bend range (α)

bend in 4 directions

#### SPECIFICATION

| Code         |                   | ISV-J2810      | ISV-J2815  | ISV-J4010 | ISV-J4030 | ISV-J6010 | ISV-J6030 |  |
|--------------|-------------------|----------------|--|-----------|-----------|-----------|-----------|--|
|              | diameter (ØD)     | 2.8mm          | 2.8mm  | 4.0mm     | 4.0mm     | 6.0mm     | 6.0mm     |  |
|              | pixel             | 0.16M          | 0.16M  |           | 1M        |           |           |  |
|              | resolution        | 400×400        | 400×400  |           |           |           |           |  |
|              | depth of field    | 10~∞mm         | 10~∞mm   |           |           |           |           |  |
|              | bending direction | four direction | four directions  |           |           |           |           |  |
| Lens         | bending range (α) | ±160°          | ±160°  |           |           |           |           |  |
|              | angle of view (θ) | 120°           |  |           |           |           |           |  |
|              | illumination      | front LED      | front LED  |           |           |           |           |  |
|              | lens              | sapphire glas  | sapphire glass lens  |           |           |           |           |  |
|              | dust/waterproof   | IP67           | IP67   |           |           |           |           |  |
|              | bend control      | manual joyst   | manual joystick  |           |           |           |           |  |
| Cable        | length            | 1m             | 1.5m   | 1m        | 3m        | 1m        | 3m        |  |
| Cable        | type              | wire weaved    | wire weaved cable  |           |           |           |           |  |
|              | display           | 5" HD screer   | 5" HD screen (resolution: 1920x1080)   |           |           |           |           |  |
|              | function          | take pictures  | take pictures, take videos   |           |           |           |           |  |
|              | file format       | picture: JPG   | picture: JPG, video: MOV   |           |           |           |           |  |
|              | image process     | image zoom     | image zoom (1X, 2X, 3X, 4X, 5X)  |           |           |           |           |  |
| Main<br>unit | image control     | freeze, flip o | freeze, flip over, playback, analog ruler  |           |           |           |           |  |
| unit         | memory            | 32G memory     | 32G memory card  |           |           |           |           |  |
|              | output            | WIFI (only fo  | WIFI (only for Android OS), USB, HDMI  |           |           |           |           |  |
|              | power supply      |                | rechargeable lithium battery (working time ≥ 4 hours),<br>AC/DC adapter (for continuous working) |           |           |           |           |  |
| Weight       |                   | 1000g          |  |           |           |           |           |  |

To be continued



Continued from previous page

#### STANDARD DELIVERY

| Main unit     | 1 pc |
|---------------|------|
| 32G SD card   | 1 pc |
| Card reader   | 1 pc |
| USB cable     | 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 |

# MOBILE PHONE VIDEOSCOPE **CODE ISV-P6** mobile phone (optional) the clamping range of mobile phone bracket L=56-95mm video output charge port bending of lens up to 180° manual joystick to bend the lens in any direction indicator light θ=100° cable length: 1m angle of view lens with adjustable illumination ØC

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                                       |  |



lens with LED

bend in any direction

# 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 |



# VIDEOSCOPE (BASIC TYPE) CODE ISV-E40











magnet pick up (included)



hook (included)



45° mirror (included)

#### SPECIFICATION

25

| SPECIFIC    |                 |  |
|-------------|-----------------|--|
|             | diameter (ØD)   | 8mm  |
|             | pixel           | 0.92M  |
|             | resolution      | 1280x720   |
| Lens        | 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)                   |
|             | display         | 5" IPS LCD   |
|             | function        | take picture, take video                           |
|             | file format     | picture: JPG, video: MOV                           |
| Main        | image process   | image zoom (1.5X, 2X, 3X, 4X)                      |
| unit        | memory          | memory card ( <b>optional</b> )                    |
|             | output          | Туре-С   |
|             | power supply    | rechargeable lithium battery (for 5 hours working) |
|             | dimension       | 217×155×131mm                                      |
| Weight 506g |                 | 506g   |

### STANDARD DELIVERY

| Main unit      | 1 pc |
|----------------|------|
| 45° mirror     | 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









magnet pick up (included)





cable can be wrapped around the main unit

### SPECIFICATION

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

# STANDARD DELIVERY

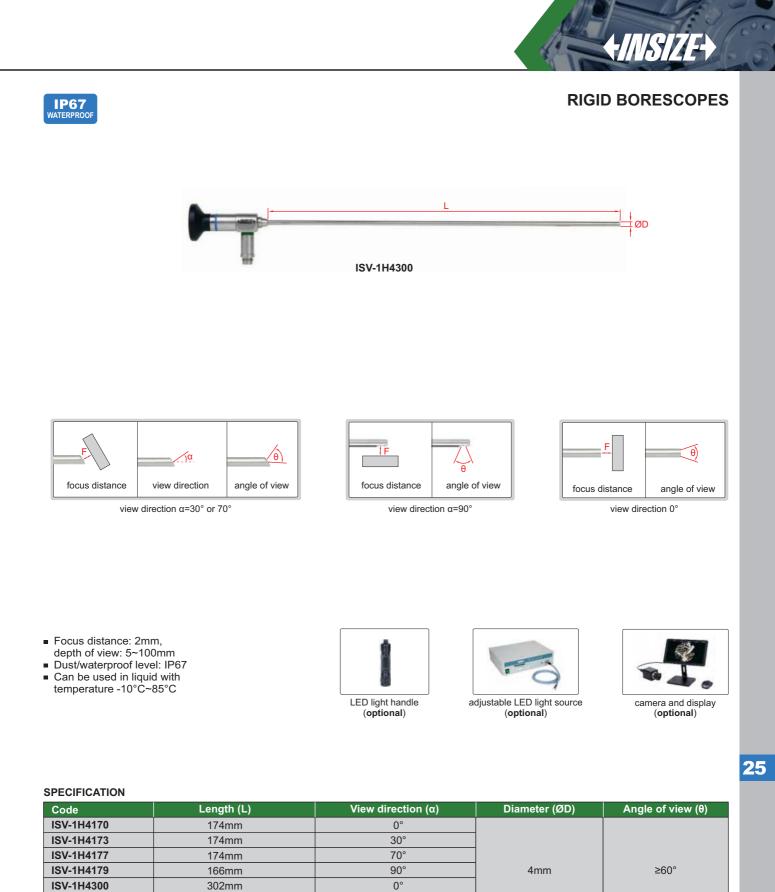
| Main unit      | 1 pc  |
|----------------|-------|
| Hook           | 1 pc  |
| Magnet pick up | 1 pc  |
| AA battery     | 4 pcs |

# OPTIONAL ACCESSORY

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

# OPERATION ENVIRONMENT Operation temperature -10~50°C

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



| OPTIONAL AG | CCESSORY |
|-------------|----------|
|-------------|----------|

ISV-1H4303

ISV-1H4307

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

302mm

302mm

30°

70°



# LED LIGHT HANDLE **CODE ISV-1HLED**









### For rigid borescopes

#### SPECIFICATION

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

# CAMERA (WITH DISPLAY) CODE ISV-2CAM

### STANDARD DELIVERY

| Main unit | 1 pc |
|-----------|------|
| Battery   | 1 pc |
| Charger   | 1 pc |







- 25
  - 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

### STANDARD DELIVERY

| Camera                 | 1 pc  |
|------------------------|-------|
| Connector              | 1 pc  |
| 13.3" LCD (with stand) | 1 pc  |
| 16G USB flash disk     | 1 pc  |
| Mouse                  | 1 pc  |
| HDMI cable             | 1 pc  |
| Power adapter          | 2 pcs |



16G USB flash disk (included)

#### SPECIFICATION

| 1/2.8" CMOS   |  |
|---------------|--|
| 2M            |  |
| 1920×1080     |  |
| 60fps         |  |
| HDMI          |  |
| power adapter |  |
| 350×100×430mm |  |
| 2kg           |  |
|               |  |