PIPE INSPECTION CAMERAS
INDUSTRIAL ENDOSCOPES
High Quality Clear Image!  
Can be used without removing from carry case!  
Compact design!

Clear Scope Eco

To inspect various kinds of pipes such as drain pipes, plant pipes, gutterings, etc.

Easy to use
- Can be used without removing from carry case.  
- Easy to carry with a shoulder strap.

Image reversal function
- 3 ways of reversing images:
  - Vertical
  - Horizontal
  - Complex

Display angle adjustment
- Display angle is adjustable for comfortable working.

LCD Monitor
- 3.5 TFT colour monitor
- Image / Video: 300,000 pixel
- Actual image

Operation keys
- Easy to record and play images / videos with simple operation keys:
  - Data select key
  - Image shutter key
  - Video recording key

Digital zoom system
- Single action digital zoom 2×

SD card - AC adapter
- Charge by AC adapter.
- SD card (2GB) video - 290 mins / image - 30,000 photos.

Battery  
Li - Polymer Battery (2 hours charge for 4 hours use)
- Voltage made to order

Camera  
Head diameter: ø25mm/Cable length: 15m

Applicable pipe size
- Straight pipes: ø30mm ~ 100mm, Bent pipes: ø40mm ~ 100mm

Visible angle  
73°

Focus distance
- 5 ~ 60cm

Display
- 3.5 TFT colour LCD / Resolution: 320 × 240 pixels

Weight
- 4.8kg

Saving format
- Image: JPEG (300,000 pixels) / Video: AVI (300,000 pixels)

Storage medium  
SD card (Max. 32GB)

External output
- USB, AV

Waterproof function
- Depth 10m

Standard Accessories
- Clear scope, Camera cable 2515, AC adapter, Mini USB cable, AV cable, SD card 2GB, Cable drum, Shoulder strap, Carrying case

※ For ø100mm pipe, Centering Guide P76 (optional) is necessary.

Small sized head, ø25mm.  
Illuminate dark tubes with white LED light.

Light weight • Compact!  
HighSpec model!!
For checking inside of pipes

**Clear Scope Eco 2505**

Code No. TH2505

- **Head diameter:** ø25mm
- **Cable length:** 5m
- **Applicable pipe size:** ø40 ~ 100mm
- **Image reversal function**
- **Digital Zoom function**

Light weight, 2.4kg - easy to carry to work places.

Easy recording and playing back at work sites.

### Camera cable 2505

- **Applicable pipe size:** ø40 ~ 100mm
- **Head diameter:** ø25mm
- **Cable length:** 5m

### Drum set

- **Applicable pipe size:** ø40 ~ 100mm
- **Head diameter:** ø25mm
- **Cable length:** 5m

**For ø100mm pipe, Centering Guide P76 (optional) is necessary.**

**Camera Head diameter:** ø10mm

**Cable length:** 1m

**Display:** 3.5 TFT colour LCD / Resolution: 320 × 240 pixels

**Weight:** 450g (Body)

**Saving format:** Image - JPEG (300,000 pixels) / Video - AVI (300,000 pixels)

**Storage medium:** SD card (Max. 32GB)

**External output:** USB, AV

**Standard Accessories:** Clear scope, AC adapter, Clear scope cable, Mini USB cable, AV cable, SD card 2GB, Carrying case

**Newly developed drum mechanism!!**

**Compact - easy to carry!**

*Drum doesn't rotate.*

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For checking pipes, A/C, cars, etc

**Clear Scope • Digital 100DX**

**Near focus:** Code No. TH1001SF  **Far focus:** Code No. TH1001LF

- **Head diameter:** ø10mm
- **Cable length:** 1m
- **Image reversal function**
- **Digital Zoom function**
- **Interlock cable**

Industrial endoscope.

Focus can be selected according to the applications.

- **Battery:** Li-Polymer Battery (2hours charge for 4hours use)  ※ Voltage made to order
- **Camera:** Head diameter: ø10mm / Cable length: 1m
- **Focus distance:** 2 ~ 8cm  8 ~ 100cm
- **Display:** 3.5 TFT colour LCD / Resolution: 320 × 240 pixels
- **Weight:** 450g (Body)
- **Saving format:** Image - JPEG (300,000 pixels) / Video - AVI (300,000 pixels)
- **Storage medium:** SD card (Max. 32GB)
- **External output:** USB, AV
- **Standard Accessories:** Clear scope, Clear scope cable, AC adapter, Mini USB cable, AV cable, SD card 2GB, Carrying case

**Focus can be selected according to the applications!!**

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**Item** | 100DX (Near focus) | 100DX (Far focus)
---|---|---
**Battery** | Li-Polymer Battery (2hours charge for 4hours use)  ※ Voltage made to order
**Camera** | Head diameter: ø10mm / Cable length: 1m
**Focus distance** | 2 ~ 8cm  8 ~ 100cm
**Display** | 3.5 TFT colour LCD / Resolution: 320 × 240 pixels
**Weight** | 450g (Body)
**Saving format** | Image - JPEG (300,000 pixels) / Video - AVI (300,000 pixels)
**Storage medium** | SD card (Max. 32GB)
**External output** | USB, AV
**Standard Accessories** | Clear scope, Clear scope cable, AC adapter, Mini USB cable, AV cable, SD card 2GB, Carrying case
For checking pipes, air conditioning unit, cars, etc

**Clear Scope • Digital**

**Head diameter**: 5.5mm

<table>
<thead>
<tr>
<th>Code No.</th>
<th>100</th>
<th>200</th>
<th>300</th>
<th>500</th>
<th>1000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Battery</td>
<td>Li-Polymer Battery (2hours charge for 4hours use)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Camera</td>
<td>Head diameter: ø5.5mm</td>
<td></td>
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<td></td>
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<tr>
<td>Camera cable length</td>
<td>1m</td>
<td>2m</td>
<td>3m</td>
<td>5m</td>
<td>10m</td>
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<td>Focus distance</td>
<td>2 - 6cm</td>
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<td></td>
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<tr>
<td>Weight</td>
<td>450g (Body)</td>
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<tr>
<td>Saving format</td>
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<td>External output</td>
<td>USB, AV</td>
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<tr>
<td>Standard Accessories</td>
<td>Clear scope, Clear scope cable, AC adapter, Mini USB cable, AV cable, SD card 2GB, Carrying case</td>
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</table>

**Flexible cable (Head diameter ø5.5mm × 10m) for many applications!!**

**For checking pipes, air conditioning unit, cars, etc**

**Clear Scope • Digital 1000G**

**Code No. TH1000G**

| Head diameter | ø5.5mm |
| Cable length | 10m |

**Industrial endoscope.**

- Gas flexible pipe 15A

| Battery  | Li-Polymer Battery (2hours charge for 4hours use) |
| Camera   | Head diameter: ø5.5mm / Cable length: 10m |
| Focus distance | 2 - 6cm |
| Display   | 3.5 TFT colour LCD / Resolution: 320×240 pixels |
| Weight    | 450g (Body) |
| Saving format | Image • JPEG (300,000 pixels) / Video • AVI (300,000 pixels) |
| Storage medium | SD card (Max. 32GB) |
| External output | USB, AV |
| Standard Accessories | Clear scope, Clear scope cable 10m, AC adapter, Mini USB cable, AV cable, SD card 2GB, Carrying case, 90°Side view mirror, Ball guide 9.9mm, Protector (1/2") |

**Flexible cable (Head diameter ø5.5mm × 10m) for many applications!!**

**For checking pipes, air conditioning unit, cars, etc**

**Clear Scope • Digital Interlock**

**Made to Order**

| Head diameter | ø5.5mm |

| Code No. TH100S | Code No. TH300S |

**Industrial endoscope.**

Cable length can be selected according to the applications.

**Item**

<table>
<thead>
<tr>
<th>100 Interlock</th>
<th>300 Interlock</th>
</tr>
</thead>
<tbody>
<tr>
<td>Battery</td>
<td>Li-Polymer Battery (2hours charge for 4hours use)</td>
</tr>
<tr>
<td>Focus distance</td>
<td>2 - 6cm</td>
</tr>
<tr>
<td>Camera</td>
<td>Head diameter: ø5.5mm</td>
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<tr>
<td>Camera cable length</td>
<td>1m</td>
</tr>
<tr>
<td>Display</td>
<td>3.5 TFT colour LCD / Resolution: 320×240 pixels</td>
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<tr>
<td>Weight</td>
<td>450g (Body)</td>
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<tr>
<td>Saving format</td>
<td>Image • JPEG (300,000 pixels) / Video • AVI (300,000 pixels)</td>
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<tr>
<td>Storage medium</td>
<td>SD card (Max. 32GB)</td>
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<tr>
<td>External output</td>
<td>USB, AV</td>
</tr>
<tr>
<td>Standard Accessories</td>
<td>Clear scope, Clear scope cable, AC adapter, Mini USB cable, AV Cable, SD card 2GB, Carrying case</td>
</tr>
</tbody>
</table>

**Interlock cable keep shapes you bend for easy access to the objects**
### Clear Scope • Digital 2015G

**Code No. KN2015**

<table>
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<tr>
<th>Feature</th>
<th>Specification</th>
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<tr>
<td>Head diameter</td>
<td>20mm</td>
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<tr>
<td>Cable length</td>
<td>15m</td>
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<tr>
<td>Battery</td>
<td>Li-Polymer Battery (2hours charge for 4hours use)</td>
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<tr>
<td>Camera</td>
<td>Head diameter: ø20mm / Cable length: 15m</td>
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<tr>
<td>Visible angle</td>
<td>50°</td>
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<tr>
<td>Focus distance</td>
<td>3cm ~ 7cm</td>
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<tr>
<td>Display</td>
<td>3.5 TFT colour LCD / Resolution: 320×240 pixels</td>
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<tr>
<td>Weight</td>
<td>8.5kg</td>
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<tr>
<td>Saving format</td>
<td>Image - JPEG (300,000 pixels) / Video - MPEG (77,000 pixels)</td>
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<tr>
<td>Storage medium</td>
<td>SD card (Max. 2GB)</td>
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<tr>
<td>External output</td>
<td>USB, AV</td>
</tr>
<tr>
<td>Waterproof function</td>
<td>capacity of resist pressure 0.02MPa (Depth 2m)</td>
</tr>
<tr>
<td>Ambient temperature</td>
<td>use / storage: -20 ~ +60°C (no condensation)</td>
</tr>
<tr>
<td>Standard Accessories</td>
<td>Clear scope, Cable with drum, AC adapter, USB cable, AV cable, SD card 2GB, Carrying case</td>
</tr>
</tbody>
</table>

#### 2015G Camera Unit

- Cable with drum, AC adapter, USB cable, AV cable, SD card 2GB, Carrying case

#### Carrying case

- Code No. KN001

### Clear Scope • Digital 415B/430B

**415B: Code No. TH415B**

- Head diameter: ø4mm
- Image reversal function
- 2× Digital Zoom function

**430B: Code No. TH430B**

- Head diameter: ø4mm
- Image reversal function
- 2× Digital Zoom function

#### Quick testing on the processing line!!

**For preventing processing defects!**

#### Side viewing tube (90°)

- Code No. TH416

#### Video scope

- Code No. TH415

#### Case

- Code No. TH434
**For keeping Camera head center**

**Centering Guide**

Code No. R00003

For Clear Scope 2505 - 2515 - 2516 (For ø25mm Camera head)

Pipe diameter: ø75mm - ø100mm
※ Passage smoothness changes depending on the condition in the pipe.

**For checking on the processing line**

**Video Scope 415B / 430B**

415B: Code No. TH415

430B: Code No. TH430

Ideal for checking on the processing line.

Slim camera head for entering small holes easily.

Can be connected to a variety of cameras.

**Camera Cable**

**Clear Scope Cable** (Flexible)

The ultra soft cable can be smoothly inserted into traps.

**Camera Cable Set**

**2015G Camera Unit**

Code No. KN001

Unit applicable to 1” gas pipes.

Can be connected to a variety of cameras.

**Camera Cable Set**

**Camera Cable 2515**

cable only: Code No. TH250

Drum set: Code No. TH251

For Clear Scope Eco2515

**Camera Cable**

**Clear Scope Cable** (Interlock)

Interlock type holds desired bent shapes.

**For Clear Scope Cable (Optional)**

**Side Viewing Mirror**

Inspection with adjustable viewing angle mirror.

Ideal for checking for dents in pipes.

**Magnet**

To catch metal objects.

For ø5.5mm Camera head.

**Protector**

To prevent rubbing cable by pipe edge.

For Flexible pipes. (3/8”, 1/2”, 3/4”, 1”)

**Ball Guide**

Ball head cover prevent being stuck.

Ideal to keep the camera head at center.

For ø5.5mm Camera head.

For Clear Scope Eco2515