



**THREE-IN-ONE ENTERPRISES Co.,LTD**

No.34, Guang Hua Rd, San Chung  
Dist, New Taipei City, 241 Taiwan.

**[www.endoscope.com.tw](http://www.endoscope.com.tw)**

# Company Profile

# Basic Information

**Business Started:** 1974

**President:** Mr. Edward Chen

**General Manager:** Ms. Victoria Lin

**Employees Number:** 63 persons

**Business Type:** Manufacturer (OEM / ODM)

**Address:** 34 Sanchong Dist., New Taipei City,  
241, Taiwan



”

**Mr. Edward Chen**

We believe our future is developing related products and putting more focus in R&D we will do our best, thank you for your supporting.

# Product Development

1974



Started with plastic injection mold



1977

Auto Testers



1980

Windshield Tools



1995

Refractometers



2004

Fiber Optical Endoscopes



2005

USB Type Video Endoscopes



2006

Monitor Type Endoscopes



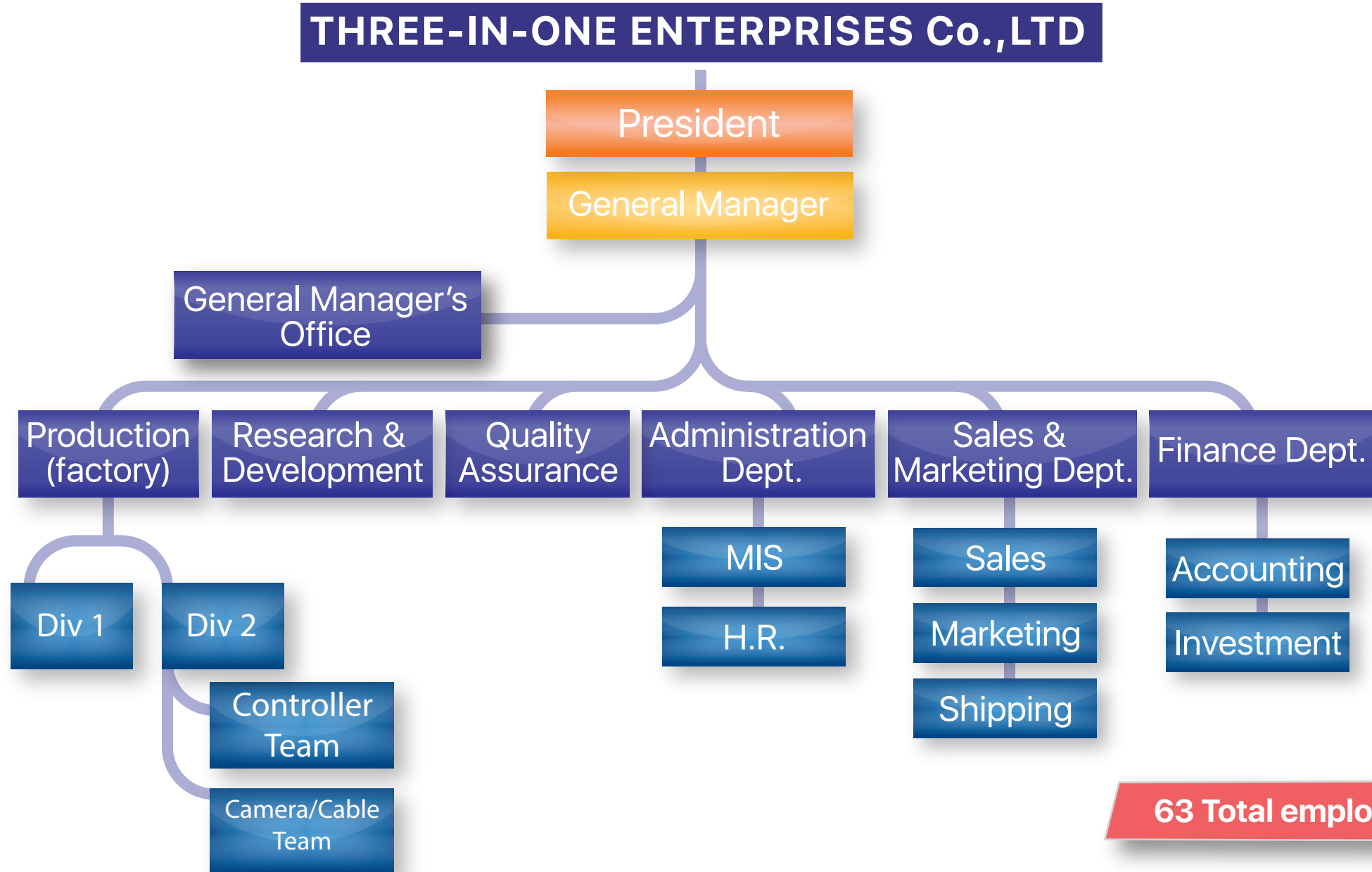
2016

Medical Type Endoscopes

Three-in-one



# Organization Chart



**63 Total employees**



# Company Strengths



## R&D Partnership with Leading Institutes



**Dual-use Technology Service Web  
Lung-Yuan Research Park**

**CHUNG-SHAN INSTITUTE OF SCIENCE & TECHNOLOGY**

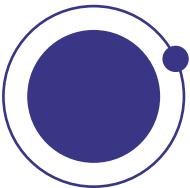
**A research institute for Tiawan Gerverment National Defense**



**ITRI**

Industrial Technology  
Research Institute

# Company Strengths



## Certifications

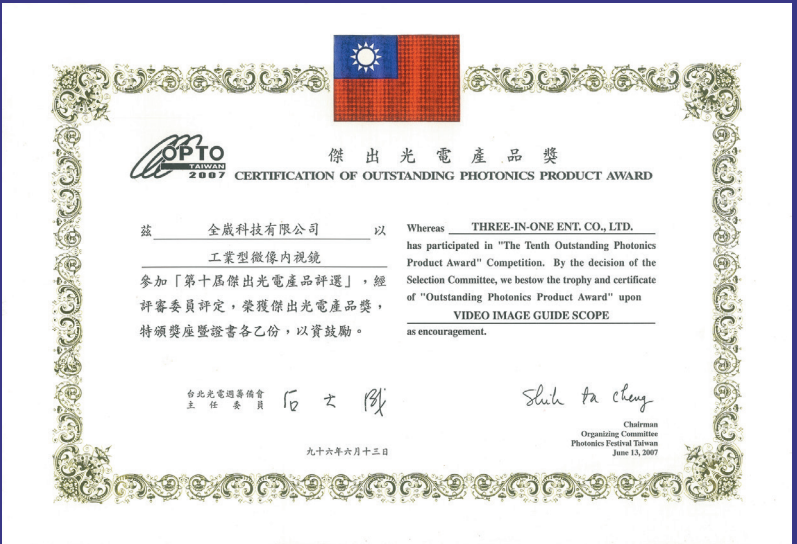
### ISO 9001:2015



## Taiwan SME Innovation



## Outstanding Photonics Products



Three-in-one

# Company Strengths



## Patents

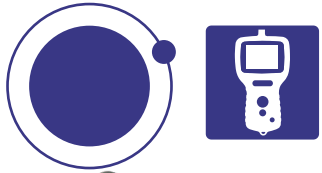


Three-in-one

More than 100 patents around the world!



# Professional Industrial inspection camera Manufacturer



## Controllers 3.5" Series



PST Series



ME Series



FVSK-800 Series



FVS-800 Series



FVS-900 Series



WE Series

## Main Features

- ▶ 3.5" 320 x240 pixel color LCD TFT display for real time monitoring
- ▶ 640 x 480 pixel resolution in storage
- ▶ Brightness adjustment of LED lamps
- ▶ Digital zoom in/out, photo comparison and image rotation
- ▶ Video and images can be saved in SD card or transferred to a PC via AV output or USB output
- ▶ Snap-shot while recording / replaying
- ▶ Record voice-over audio in video recording mode
- ▶ On-screen menus support 26 languages
- ▶ Built-in rechargeable Li-ion battery can last up to 2 hours
- ▶ Ideal for industrial maintenance, aircraft inspection, construction inspection, vehicle service and HVAC repair, etc



Microphone Speaker



Photograph



Video



Playback



Brightness Control



USB



Rechargeable



Zoom In/Out



SD Card



Zoom In/Out



Wireless/Wifi

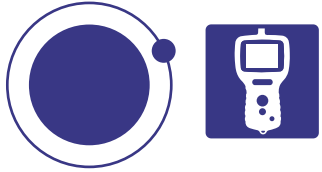


Support Stand

Three-in-one



# Professional Industrial inspection camera Manufacturer



## Controllers 5"Series



### RS Series

#### RS Special Features

- ▶ 5" 800x480 pixel color LCD TFT monitor

## Controllers 7"Series



### MEGA Series

#### MEGA Special Features

- ▶ 7" 720x480 pixel color LCD TFT monitor
- ▶ Built-in rechargeable Li-ion battery can last up to 8 hours



Microphone  
Speaker



Photograph



Video



Playback



Brightness  
Control



USB



Rechargeable



Zoom In/Out



SD Card



Zoom In/Out



Wireless/Wifi



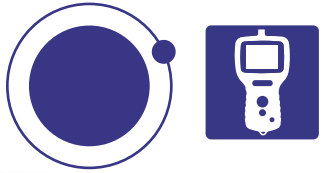
Support  
Stand

Three-in-one





# Camera Cables



## Cameras & Cables



► **Camera Ø 3.9mm**  
Short Focus (20~60mm) &  
Resolution:QVGA

► **Camera Ø 5.5mm**  
Short Focus (20~60mm) &  
Resolution:QVGA

► **Camera Ø 8mm**  
Short Focus (20~60mm) &  
Long Focus (60mm~∞)  
Resolution:VGA

► **Camera Ø 10mm**  
Short Focus (20~60mm) &  
Long Focus (60mm~∞)  
Resolution:VGA

► **Camera Ø 20mm**  
Long Focus (60mm~∞)  
Resolution:VGA

► **Camera Ø 25mm**  
Long Focus (60mm~∞)  
Resolution:VGA

► **Camera Ø 28mm**  
Long Focus (60mm~∞)  
Resolution:VGA

► **Camera Ø 30mm**  
Long Focus (60mm~∞)  
Resolution:VGA



**Rigid Cable**  
L: 1"/12"/17"

**Semi rigid Cable**  
L: 1~10m

**Flexible Cable**  
L: 1~30m

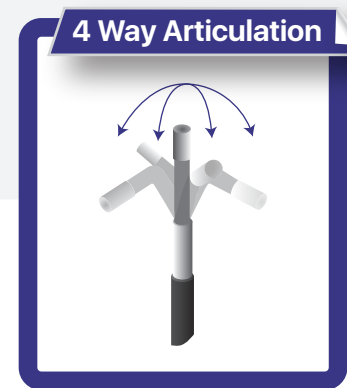
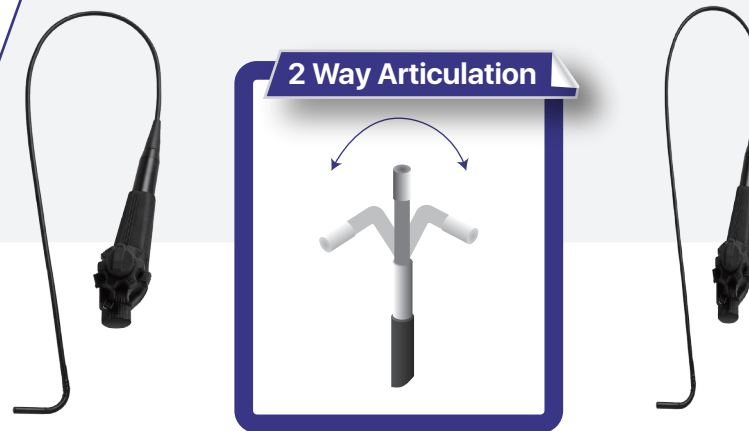
**Telescopic Cable**  
L:3m

**Dual Camera**

**UV/IR Camera**

**Wireless Handset**

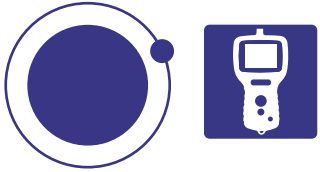
## Articulation Cameras



Three-in-one



# Camera Cables

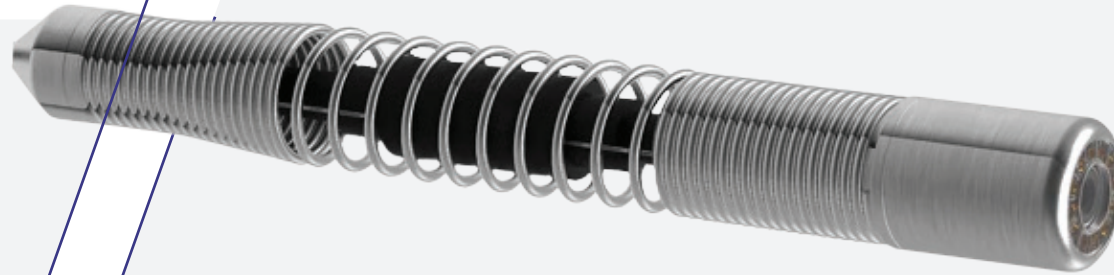


Self levelling Camera



TX locate track system

TX locate track system



Self levelling image  
always upright

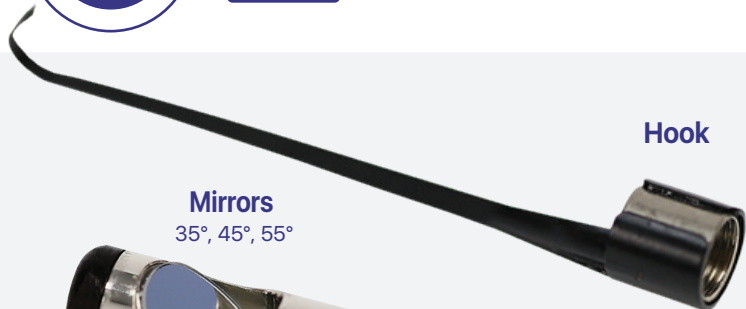
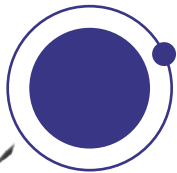


Three-in-one



# Camera Cables

## Accessories



Hook

Mirrors  
35°, 45°, 55°



Magnet



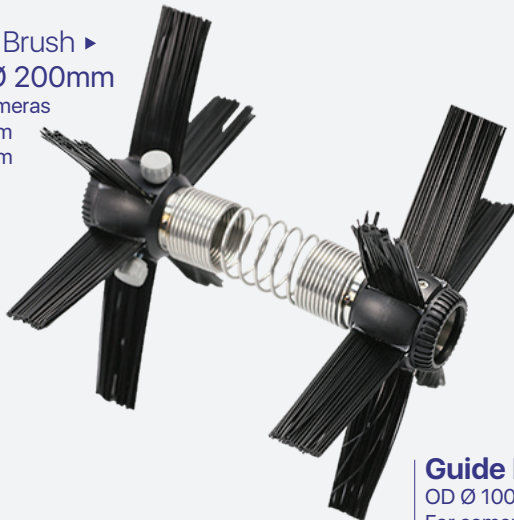
Protection Cone  
For Ø25mm, Ø28mm



Lens Cover  
For Ø25mm, Ø28mm

## Big Tube Adapters

Skid Brush ▶  
OD Ø 200mm  
For cameras  
Ø25mm  
Ø28mm



Guide Body ▶  
OD Ø 170mm  
For cameras  
Ø25mm  
Ø28mm



Guide Body ▶  
OD Ø 100mm  
For cameras  
Ø25mm  
Ø28mm



## Accessories

Type A ▶  
Handheld Style  
(Lite)



Type B ▶  
Handheld Style  
(Deluxe)



Type C ▶  
Flat Style



Type D ▶  
Standing  
Style

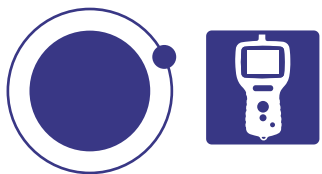


Three-in-one





# Medical Endoscopes



## ENT Endoscope with Thermometer

Item No. MD-101

**China:**

Invention Patent 1354173

Invention Patent 1280292

**Germany:**

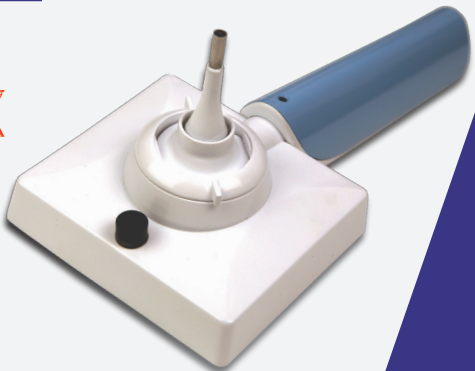
Utility Model Patent Nr.202011000974.2

Utility Model Patent Nr.202011000975.0

**Taiwan:**

Invention Patent I 403302

Invention Patent I 455702



3.5" TFT LCD Monitor



Photograph



Video



Playback



Mirror Image



USB



Rechargeable



Digital Zoom



Low Battery Warning



Removable Battery



Thermometer



# Medical Endoscopes

## Mediocal Endoscope

Item No. MD-301



Water Proof



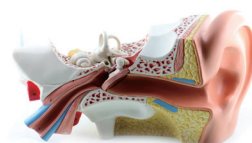
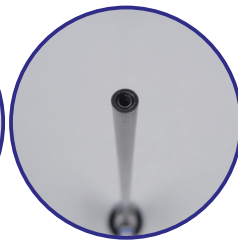
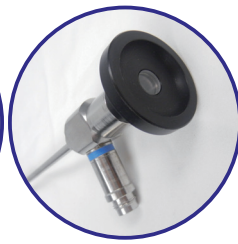
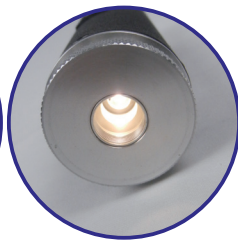
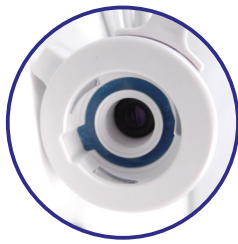
Shock Proof

Light Source ▾



Endoscope ▾

Magnifier ▾



Rotate Image



Brightness Control



Support Stand



Low Battery Warning



Rechargeable



Photograph



USB



Video



Recording



Playback



Digital Zoom



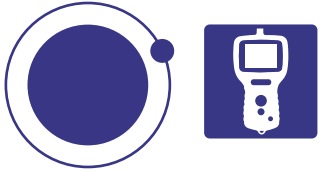
AV OUT

Three-in-one





# Medical Endoscopes



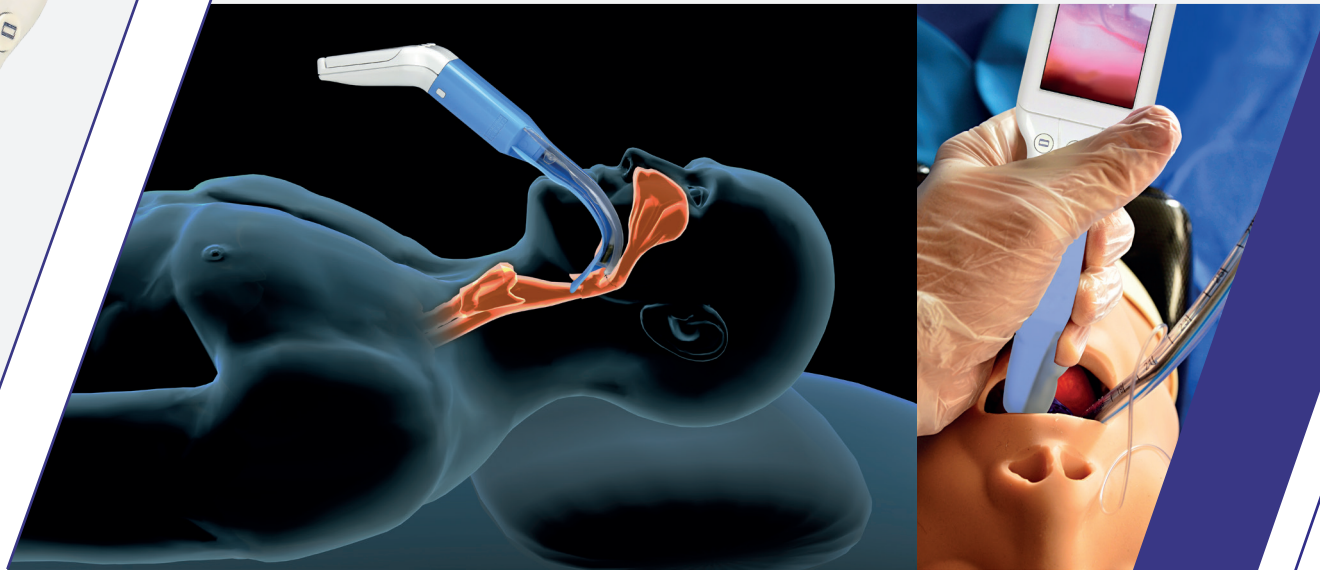
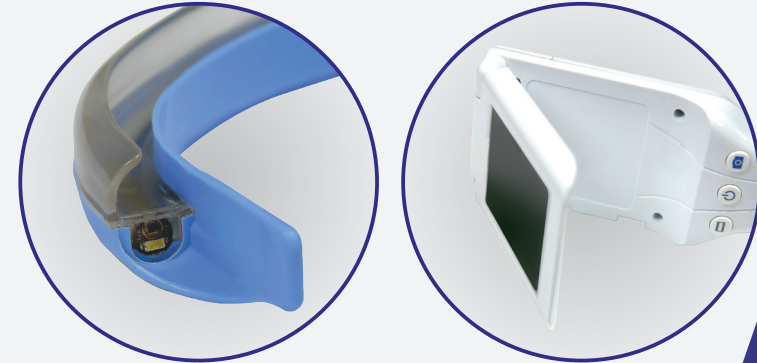
## Video Laryngoscope

Item No. MD-L101

### Features

- ▶ Curvature angle allow to get smoothly tho the throat, reducing the internal damage in the patient's throat.
- ▶ Easy insertion in to the patient's throat. Special shape to allow medical team handle the device easy.

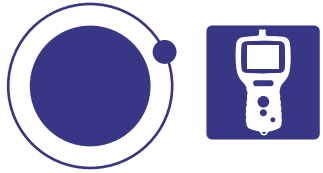
**Tube exterior diameter:** Ø28mm ▼  
**Visual distance:** 20-100mm  
**Image resolution:** 300,000px



Three-in-one



# Medical Endoscopes



## Features

- ▶ Size of the auralspeculum: 2.5/3/4/5 mm
- ▶ Magnification: 2 times
- ▶ Lamp bulb: 2.5V × 0.45A
- ▶ Power Supply: 1.5V × 2 "AA"



## Otoscopes

## Hand Slit lamp



## Features

- ▶ Slit width: 0.3-4mm Slit length 8-12mm
- ▶ Adds the 20D mirror to be possible to enlarge 6 times more.
- ▶ Adds the blue filter can be used for corneal check.
- ▶ Multi-coated optical lens pass rate of increase of light.
- ▶ Parallelism:  $\leq 0.5^\circ$
- ▶ The brightness can be adjusted continuously
- ▶ Power Supply: 1.5V × 2 "AA" type
- ▶ Lamp bulb: 2.5V × 0.45A

## Skiascope, Retinoscope



## Features

- ▶ Illuminance: 80LX
- ▶ Minimum width: 1.5mm
- ▶ Minimum length: 30mm
- ▶ Parallelism:  $\leq 0.5^\circ$
- ▶ Form the point spot is less than 25mm
- ▶ The brightness can be adjusted continuously
- ▶ Power Supply: 1.5V × 2 "C" type
- ▶ Lamp bulb: 2.5V × 0.45A



Three-in-one



# Contact Information



Three-in-one

**THREE-IN-ONE ENTERPRISES Co.,LTD**

No. 34, Guang Hua Rd, SanChung  
Dist, New Taipei City, 241 Taiwan.

**[www.endoscope.com.tw](http://www.endoscope.com.tw)**



## Contact



+886-2-2999-0096



+886-2-2995-1329  
+886-2-2995-6882



[endoscope@mr-tools.com.tw](mailto:endoscope@mr-tools.com.tw)



Three-in-one