TVBTECH CO., LTD.

Professional Manufacturer of Inspection Cameras

Industrial Video Inspection Cameras
- Pipe/Drain Inspection Cameras
- Air Duct Cleaning Inspection Camera
- Articulating Video Borescopes
- Cavity Wall Inspection Camera
ABOUT US

Established in 2005, TuTech Co., Ltd. is specialized in designing, R&D, manufacturing, and exporting of inspection cameras. Our main products are pipe inspection cameras, camera locators, articulating video borescopes, etc. Everything we produce is in compliance with all FCC, CE, and RoHS & WEE/E Directives.

As the leading manufacturer in this industry on Mainland China, we operate in a 1500 m² factory located in Shenzhen. We aim to become a first-class producer of pipe inspection cameras with world-renowned quality and stability products, which drives us to keep investing and focusing on product quality control.

TuTech has already been recognized as a strategic partner of many OEM/ODM businesses. We have highly experienced teams to work on your OEM/ODM projects. Our excellent and splendid services have won us good business relationships with many international buyers and suppliers.

Our products are sold to many countries across the world including Europe, North America, Japan, Korea, Australia, etc. We welcome you to become our next reader, or agent in your country.

Feel free to contact us if you want a quote.

Various Applications of Pipe Inspection Cameras

1. Plumbing/Construction/Survey Instrument
2. Drain Sewer Cleaning
3. Air Duct Cleaning
4. Precise Pipe Retraining Industry
5. Telecom Industry
HOW to Choose a Pipe Inspection Camera?

Pipe inspection cameras are widely used by plumbers, contractors, engineers, home inspectors, municipal workers and other professionals for inspecting areas that are hard to see.

To choose a camera you need to KNOW

1. What sized pipe/sewer drains you are going to use it in? This is to decide the pipe camera diameter of camera head, length and size of rod cable, amount of light, etc.
2. Do you need optional features such as built-in sonde, on-screen distance counter, self-leveling, keyboard, etc.?
3. How available is a service after sales? TvTech has been very professional and efficient in not only producing cameras but also providing high quality after sales services.
3199F-14mm
14mm Drain / Pipe Inspection Camera
with 20m, 30m or 40m (66, 98 or 131ft) cable

- 1/4” CMOS sensor, 60° imaging angle, 720P x 576V pixels
- Camera Size: Ø14mm x 12mm (without spring)
- Spherical glass lens cover, 5 white LEDs
- Diameter of camera: 14mm, Focus Distance 15mm (approx)
- Water proof level: IP68 under water (camera fix on outside)
- Push cable dia: 4.8mm
- with distance counter feature
  - 7” LCD color monitor
  - SD Card slot to store still pictures or record videos
- One push record button
- LED brightness control buttons
- Rechargeable battery stays up to 8 hours
- 20m, 30m or 40m (66, 98 or 131ft) flexible push rod
- Rotatable cable reel mounted in case for convenient operation
- Waterproof/ABE suitcase with all parts included

Specifications

**Camera Head**
- Sensor: CMOS
- Field of View: 4mm x 4mm (14.5mm x 14.5mm) (length)
- Lens: 50° wide angle
- Lens Cover: Spherical glass
- Leads: 3-pin High Bright White, LED’s
- Water Proof: IP68/1m Lendor Water
- Rotatable in the suitcase

**Cable Reel**
- Material: Fiberglass Rod Cable
- Kink: Stainless Steel Kink
- Cable Length: 20, 30 or 40 Optional
- Connector: Cold Touch/Point Connector
- Rotation: Rotatable in the suitcase
- Kink Diameter: 32mm
- Cable Diameter: 4.8mm

**LCD Display and DVR**
- LCD Resolution: 600 x 480 pixels
- Video Compression: MP4
- Recording: Video and audio recording
- Picture: Picture shot function
- LCD Size: 7 inch
- Menu Language: 9 Languages
- Panel Control: Any functions through buttons
- External Memory: SD Card (max. 32GB)

**Highly Rattle-Resistant Camera Head**
- Optional features: Bullet 2/3” Sensor
- Peeking through 360° sensor
- With field diameter: 55mm

See price list for complete list of different parts, part numbers, options parts and prices.

ALL PRODUCTS, PRODUCT SPECIFICATIONS AND DATA ARE SUBJECT TO CHANGE WITHOUT NOTICE TO IMPROVE RELIABILITY, FUNCTION OR DESIGN OR OTHERWISE.
319F-23mm

23mm Drain / Pipe Inspection Camera
with 20m, 30m or 40m (66, 98 or 131ft) cable

- 1/3in CMOS camera, 120° wide view angle
- Stainless steel shock proof head, IP68 water proof
- Sapphire glass lens cover, 12 white LEDs
- Diameter of camera 23mm suitable for pipeline, 25-150mm(1"-6")
- 25-40mm/6-13/10 fiberglass rotatable with stainless steel
- Cable reel rotateable in the case
- One touch record/stop integrated button
- 7" TFT LCD monitor with DVR
- Rechargeable high capacity Li battery(9600mAh) for 8 hours continuous working
- Waterproof ABS suitcase with all parts included
- Optional feature: Meter counter/512Hz sonde/self-leveling keypad.

Professional easy to operate 7" monitor

Passing through 40mm (1 9/16"

Cameras with 40mm to 60mm range (66 to 131ft)

Optional Features & Parts

- Make Distance Counter
- Built-in 512Hz Sonde
- 25mm (1"
- 38mm (1.5"
- 50mm (2"

Specifications

Camera Head
- Sensor: 1/3" CMOS
- Field of View: 120°
- Camera Material: 304 Stainless Steel
- Lens: 1/2" wide angle
- Lens Cover: Sapphire glass
- LEDs: 12 high brightness white LEDs
- Water Proof: IP68/1m Under Water
- Focus Distance: 20mm (Approx.)

Cable Reel
- Material: Fiberglass Reel Carbon or Steel
- Cable Length: 25, 30 or 40 Optional
- Connector: Gold Touch-Point Connector
- Rotation: Rotatable in the suitcases
- Wheel Diameter: 33cm
- Cable Diameter: 5.2mm (0.2"

LCD Display and DVR
- LCD Resolution: 800x480pixels
- Video Compress: MPEG-4
- Recompress: Video and audio recording
- Picture: Picture short function
- LCD Screen: 7" inch
- Memory: 8GB Languages
- Panel Control: Any function through buttons
- External Memory: SD Card (MAX. 32GB)

See price list for complete list of different options, part numbers, options, parts and prices.

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3499F - 23mm

23mm Drain/pipe Inspection Camera System
with 20m, 30m or 40m (66, 98 or 131ft) cable

- 1/3” CMOS sensor, 120° wide view angle
- Stainless steel short camera head, IP66 waterproof level
- Sapphire glass lens cover, 12 white LEDs
- Diameter of camera head 23mm, suitable for pipe dia.25-150mm (1"-6.0")
- 20-40m Fiberglass rod cable with stainless steel
- One-touch recorded image button
- 7" TFT LCD monitor with DVR
- Rechargeable high capacity Li-battery for 5 hours continuous working
- Compact, rugged and waterproof design

Specifications

**Camera Head**
- Sensor: 1/3” CMOS
- Head Diameter: 23mm (dia. 25-150mm, length 904mm)
- Camera Material: Stainless steel, stainless steel, 304 stainless steel, 304 stainless steel
- View Angle: 120° wide angle
- Lens Cover: Sapphire glass
- Lens: 1/3 Hi-Bright LED (6 LEDs)
- Water Proof: IP66/12m Underwater
- Water Depth: 23mm (Approx.)

**LCD Display and DVR**
- LCD Resolution: 800x480 pixels
- Video Compression: MPEG-4
- Recording: Video and audio recording
- Picture: Picture and function
- LCD Size: 7 inch
- Menu Language: 9 Language
- Panel Control: Any function through buttons
- External Memory: SD Card (MAX 32GB)

**Camera Head**
- Material: Fiberglass Rod Cable
- Wheel: Stainless Steel Wheel
- Cable Length: 20, 30 or 40 Optional
- Connector: Gold-Plated Connector
- Wheel Diameter: 36mm
- Cable Diameter: 5.9mm (B 3/8")

Optional Feature: 23mm wall feeding camera head

Optional Feature: Built-in 512hr Storage

Optional Feature: Built-in 512hr Storage

Optional Feature: Built-in 512hr Storage
3499FB

Drain/pipe Inspection Camera System with 20m, 30m (66, 98 ft) cable

- 1/3" CMOS camera, 120° wide view angle
- Stainless steel armor camera head, IR/UV water-proof seal
- Sapphire glass lens cover, 12 white LEDs
- Diameter of camera: 23mm, suitable for pipe dia. 25-200mm
- 20-30m Fiberglass rod with stainless-steel reel
- One-touch record/MDM image button
- 7" TFT LCD monitor with DVR
- rechargeable high capacity Li-ion battery for 5 hours continuous working
- Compact, Rugged and waterproof design

Specifications

Camera Head
- Sensor: 1/3" CMOS
- Head Diameter: 23mm (ø6.8mm), length 87mm
- Camera Material: 35mm Stainless Steel
- View Angle: 120° wide angle
- Lens Cover: Sapphire glass
- LEDs: 12 High Bright White LEDs
- Water Proof: IP68/10m Under Water
- Focus Distance: 20cm (Approx.)

LCD Display and DVR
- LCD Resolution: 800x480 pixels
- Video Compress: MPEG-4
- Recording: Video and audio recording
- Picture伦: Picture shot function
- LCD Size: 7 inch
- Menu/Language: 16 languages
- Panel Control: Any function through buttons
- External Memory: SD Card (Max: 32GB)

Cable Reel
- Material: Fiberglass Rod Cable
- Wire: Stainless Steel Wire
- Cable Length: 20, 30 Optional
- Connector: Gold-Touch/Point Connector
- Wire Diameter: 33cm
- Cable Diameter: 6.8mm (ø0.27")

See price list for complete list of different options, part numbers, spare parts and prices.

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3399F

Drain/pipe Inspection Camera System
with 40m, 50m or 60m (131, 164 or 197ft) cable

**Camera Head**
- **Material**: #304 Stainless Steel
- **Dimension (sensor)**: 40mmx14mm (Min. 40x30)
- **View Angle**: 120°
- **Focal Distance**: 14-320cm
- **LEDs**: 12pcs high light LEDs
- **Waterproof**: Max 20m under water

Two Rollers Sideways, one at a distance 7.2mm and another universal sidest at dia. 11.5-250mm

- **Built-in 512Hz Tone (adjustable)**
- **Self-realizing feature**

**Monitor**
- 7” LCD color TFT LCD
- Universal installation brackets
- SD Card slot to store still pictures or video

- One push record button
- Built-in rechargeable battery lasts up to 5 hours
- On-screen date and time
- On-screen meter/ distance display

**Specifications**

<table>
<thead>
<tr>
<th>Camera Head</th>
<th>Push Cable</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Material</strong></td>
<td><strong>Cable</strong></td>
</tr>
<tr>
<td>#304 Stainless Steel</td>
<td>Cable dia. 5.8mm</td>
</tr>
<tr>
<td>630mmx14mm (Min. 300mm)</td>
<td>Cable Material: Fiberglass</td>
</tr>
<tr>
<td>1/2” Sony CCD 480 TV Lines</td>
<td>Available Length: 480/380m (131/164/197ft)</td>
</tr>
<tr>
<td>View Angle: 120°</td>
<td>Stainless Steel</td>
</tr>
<tr>
<td><strong>Focal Distance</strong>: 13-200cm</td>
<td></td>
</tr>
<tr>
<td>12pcs high light LEDs</td>
<td></td>
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<tr>
<td>Max 20m under water</td>
<td></td>
</tr>
</tbody>
</table>

**Monitor**
- 7” 16:9 High definition color LCD monitor
- Resolution: 900x800 R.G.B
- Existing: H. 264
- Storage: SD Card slot to store still images or videos
- Sound: Local audio recording
- Battery: Built-in rechargeable battery
- Stand time: 4-8 hours
- Charge time: 6-7 hours
- Menu Language: English, German, French, Spanish, Italian, Chinese, Japanese, Russian, Portuguese

3399FB

with monitor and keyboard housed in a roll-resistant case
### Drain/pipe Inspection Camera System with 60-120m (195-394ft) cable

**Camera Head**
- **Material**: #304 Stainless Steel
- **Dimension**: Ø38mmAll mm (Main body)
- **Sensor**: 1/2" Sony CCD A30 TV Lines
- **View Angle**: 120°
- **Focal Distance**: 12-120m
- **LEDs**: 12x5mm high light LEDs
- **Waterproof** Max 20m underwater
- **Twist-Rotating Skull** Min. one dia. ±7mm another universal skull at dia. 115-250mm
- **Built-in 512x400 pixels (option)**
- With self-leveling feature

**Monitor**
- **7" LCD color 173 TFT LCD**
- **SD Card slot and store still images or videos**
- One push record button
- Built-in rechargeable battery lasts up to 5 hours
- On-Screen date and time
- On-Screen meter, distance display

### Specifications

**Camera Head**
- **Material**: #304 Stainless Steel
- **Dimension**: Ø38mmAll mm (Main body)
- **Sensor**: 1/2" Sony CCD A30 TV Lines
- **View Angle**: 120°
- **Focal Distance**: 12-120m (71-47ft)
- **LEDs**: 12x5mm high light LEDs
- **Waterproof** Max 20m underwater

**Push Cable**
- **Material**: Fiberglass
- **Cable Diameter**: 3.5mm
- **Material**: Stainless Steel

**Cable**
- **Cable dia.**: 9mm (0.358")
- **Cable length**: 85m/10/120m for option (197/262/528/394ft)

See price list for complete list of different options, paint numbers, optional parts and prices.

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Wireless Duct Cleaning Inspection Camera

Model No. 3622F

This is an innovative air duct cleaning equipment with a camera site, just behind the front tip to allow the viewing of the cleaning process. It is designed to blow debris from the register down into the main trunk line. It is a complete system with 7” air tube. 7” monitor and connector to air compressor.

Specifications

- **Camera Head**
  - Sensor: 1/4” CMOS
  - Diameter: 16mm
  - View Angle: 120°
  - LCDs: 17Wh/0.77Ah
  - Waterproof: Max. 1m (underwater)
  - Focus Distance: 23cm (approx.)
- **Air Tube**
  - Length: 7m
  - Diameter: 16mm
  - Dic. of Forward Head: 25mm
  - Dic. of Camera Housing: 32mm
- **Power Supply**
  - Rechargeable battery
- **Reel Connector**
  - to standard air compressor
- **LCD Display and DVR**
  - LCD Resolution: 800x600 RGB
  - Video Encoding: H.264
  - External Memory: SD memory card up to 32GB
  - Language: Support 11 languages
- **Output**
  - Video output port

512Hz Locator

P512R

The 512Hz wireless locator is a sensor used to find the position of the camera head (with 512Hz transmitter inside). It's a powerful tool that helps you to locate the exact place of the problems in a pipe.

**Main features**

- Distance: 4m
- Frequency: 512Hz
- Power supply: 9V AA
- Current: <100mA
- Operation Mode: MARGNOISE
- Sensitivity: NEAR/FAR continuous adjustable
- Output Intensity: LG1 15 levels
- Size: 185x50x110mm
- Weight: 800g
- Operation Temperature: -15-60°C

Optional Part: 33KHz Sonde for 23mm camera head.
Cavity Wall Inspection Camera

4908AL (Upgraded Version with Sturdy 5" LCD)

This is a side view rigid inspection camera that is specially designed for cavity wall inspection, wall tile and dry rot inspection, inspection of spaces under floors, above ceilings and behind panes and ducts, and many more where a rigid side view endoscope is required.

Features
- 2.4GHz wireless transmission between camera and monitor
- High-definition sensor: 1280x720
- Tube length 300mm
- Side view camera head: 360° rotation
- Video output function
- IP67 waterproof camera head
- High brightness LED light

Other Versions:
- HD4906 WiFi: Wifi with 3.5" LCD, powered by 4xAA batteries

CamGlass Pipe Inspection Camera Viewer

TVB-CG100

2-Way Articulating Video Borescope with Flexible Tube

H5808AL

Features
- Camera Head: 5mm, 640x480 pixels, 4 white LEDs
- Tube: Flexible, 180° Articulation, 2-way, 360° Degrees
- 3.5" LCD wireless monitor with SD card recording
Multi-Purpose Mountable WiFi Video Borescope With 1m Telescopic Pole

TV80W

This is an innovative WiFi inspection camera that can be mounted on different rods and poles to get extended reach. It’s built-in WiFi hotspot for using on both iOS and Android devices. It’s perfect for a wide range of applications including locating electrical wiring, building inspections, home inspection, for aviation and vehicle applications and even for search and rescue missions.

With 1m telescopic pole for any directions, no blind viewing angle.

PocketScope Endoscope Camera

TV90Pro

This is a real pocket size video endoscope camera, its compact design allows you to pull the 1m camera tube inside the product.

Features
- HD 720P Resolution
- 3.9/5.5mm flexible tube
- 6 White LEDs
- 3 Inch LCD display
- Support MicroSD card for still image capture and video recording
- Comes with a flashlight
- Handheld and durable design
- Small accessories: hook, mirror and magnet

Φ3.9/5.5mm 720P HD Camera