

Professional Inspection Cameras



Industrial Video Inspection Cameras

- Borehole/Pipe/Drain Inspection Cameras
- Air Duct Inspection Camera
- Articulating Video Borescopes
- Wall Cavity Inspection Camera



Now with pan + tilt side
+ down hole viewing

Various Applications of Pipe Inspection Cameras

- 1. Borehole Inspection / Mining / Construction/ Surveying
- 2. Plumbing / Drain Sewer Cleaning
- 3. Maintenance / Air Duct Cleaning
- 4. Trenchless Pipe Relining Industry
- 5. Utility / 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 pipes/ sewers/ drains you are going to use it in? This is to decide the pipe camera's diameter of
- 2. camera head, length and size of rod cable, amount of light, etc.
- 3. Do you need optional features such as built-in Sonde, on-screen distance counter, self-leveling, Keyboard text input, etc.? How available is service after sale? Provix has been very professional and efficient in not only providing cameras but also high quality after-sale services.



A Glance of Pipe Inspection Cameras





TCL-3499F / FB




Dia. of Cam:	Φ14 or 23mm	
Length of Cable:	20-40m	
Thickness of Cable:	Φ4.8 , 5.2 or 6.8mm	
Fits for Pipe DN:	Φ30-150mm	
Standard Features:	Meter counter, Keyboard 512Hz	
Optional Features:	Sonde, Self-Leveling	



TCL-3199F-14mm

Dia. of Cam:	Φ14mm	Fits for Pipe DN:	Φ20-100mm
Length of Cable:	20-40m	Standard Features:	Meter counter
Thickness of Cable:	Φ4.8mm	Optional Features:	Keyboard




TCL-3199F-23mm

Dia. of Cam:	Φ23mm	Fits for Pipe DN:	Φ30-150mm
Length of Cable:	20-40m	Standard Features:	N/A
Thickness of Cable:	Φ5.2mm	Optional Features:	Meter counter, 512Hz Sonde, Self-Leveling, Keyboard



TCL-3399F / FB

Dia. of Cam:	Φ38mm	Fits for Pipe DN:	Φ100-300mm
Length of Cable:	40-60m	Standard Features:	Meter counter, Self-Leveling, Keyboard
Thickness of Cable:	Φ6.8mm	Optional Features:	512Hz Sonde



TCL-3299F / FB

Dia. of Cam:	Φ38mm	Fits for Pipe DN:	Φ150-300mm
Length of Cable:	60-120m	Standard Features:	Meter counter, Self-Leveling
Thickness of Cable:	Φ9mm	Optional Features:	512Hz Sonde

See price list for complete list of different options, part numbers, spare parts and prices.
ALL PRODUCTS, PRODUCT SPECIFICATIONS AND DATA ARE SUBJECT TO CHANGE WITHOUT NOTICE TO IMPROVE RELIABILITY, FUNCTION OR DESIGN OR OTHERWISE

optional choice:
10.1" LCD Screen






TCL-3499F -23mm

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

3499F -14mm 14mm Camera System with 20-40m red color rod cable)

- 1/3 inch CMOS camera, 120° wide view angle
- stainless steel short camera head, IP68 water proof level
- Sapphire glass lens cover, 15 white LEDs
- Diameter of camera:23mm, suitable for pipe dia,25-150mm(1"-5.9")
- 20-40m fiberglass rod cable with stainless steel reel
- One touch record/still images button
- 7" TFT LCD monitor with DVR (optional choice:10.1" LCD Screen)
- Rechargeable High capacity Li-battery for 5 hours continuous working
- Compact, Rugged and waterproof design

 ø23mm(0.9")	 20/30/40m	CMOS 1/3"	 Li-battery
512 sonde	RECORD	7" COLOR DISPLAY	16:9 Wide Screen



Compact, Rugged and Waterproof Design



Convenient Transportation



Easy to Carry



Removable Control box with keyboard

Specifications

Camera Head

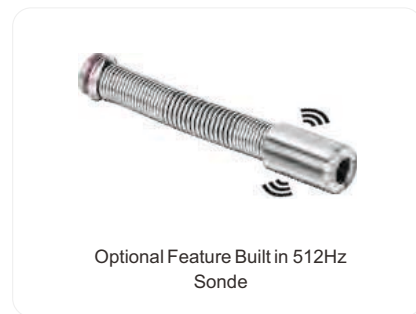
Sensor	1/3" CMOS
Head Dimension	23mm(dia.)x45mm(Length)
Camera Material	304# Stainless Steel
View Angle	120° wide angle
Lens Cover	Sapphire glass
Leds	15 High Bright White LEDs
Water Proof	IP68/10m Under Water
Focus Distance	20cm(Approx)

Cable Reel

Material	Fiberglass Rod Cable Stainless
Wheel	Steel Wheel 20,30 or 40
Cable Length	Optional
Connector	Gold Touch-Point Connector
Wheel Diameter	33cm
Cable Diameter	5.2mm(0.2")

LCD Display and DVR

LCD Resolution	1024x600 pixels
Video Compress	H.264
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	C10 SD Card (Max. 64GB)









**Pan/Tilt Borehole Camera
with 20m, 30m or 40m (66, 98 or 131ft) cable**

- 1/3 inch CMOS camera, Pan 360°, Tilt 180°
- stainless steel short camera head, IP68 water proof level
- Sapphire glass lens cover, 15 white LEDs
- Diameter of camera:28mm
- 20-40m fiberglass rod cable with stainless steel reel
- One touch record/still images button
- 10" TFT LCD monitor with DVR
- Rechargeable High capacity Li-battery for 5 hours continuous working
- Compact, Rugged and waterproof design

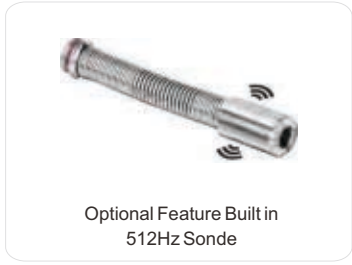
 Φ28mm(1.1")	 20/40m	CMOS 1/3"	 Li-battery
512 sonde	RECORD	10" TFT LCD DVR	16:9 Wide Screen

			
Compact, Rugged and Waterproof Design	Convenient Transportation	Easy to Carry	Removable Control box with keyboard

Specifications

Camera Head

Sensor	1/3" CMOS
Head Dimention	28mm(dia.)x45mm(Length)
Camera Material	304# Stainless Steel
View Angle	Pan 360° Tilt 180°
Lens Cover	Sapphire glass
Leds	15 High Bright White LEDs
Water Proof	IP68/10m Under Water
Focus Distance	20cm(Approx)



LCD Display and DVR

LCD Resolution	1024x600 pixels
Video Compress	H.264
Recording	Video and audio recording
Picture	Picture shot function
LCD Size	10 inch
Menu Language	9 Languages
Panel Control	Any functions through buttons C10
External Memory	SD Card (Max. 64GB)



Sonde Options

20m with Sonde	TCL-4188KP28-10-20S
30m with Sonde	TCL-4188KP28-10-30S
40m with Sonde	TCL-4188KP28-10-40S

Without Sonde Options

20m	TCL-4188KP28-10-20
30m	TCL-4188KP28-10-30
40m	TCL-4188KP28-10-40

Cable Reel

Material	Fiberglass Rod Cable
Wheel	Stainless Steel Wheel
Cable Length	20, 30, 40
Connector	Optional
Wheel Diameter	Gold Touch-Point Connector
Cable Diameter	33cm
	7mm(0.276")

Model No.: TCL-3499F-Dual

Compact Pipe Inspection Camera with **Dual** Cameras/Cables



One compact system with 2 cable wheels and 2 camera heads. Now it's possible to operate both 23mm and 14mm camera heads on a same system.

Typical Configurations:

- 5.2mm rod cable with 23mm head + 4.8mm rod cable with 14mm camera head
- 6.8mm rod cable with 23mm head + 4.8mm rod cable with 14mm camera head



Handheld Handle



Roll Type Cable Guide



Built in 512Hz Sonde & Self-leveling(optional)



Built in 512Hz sonde (optional)

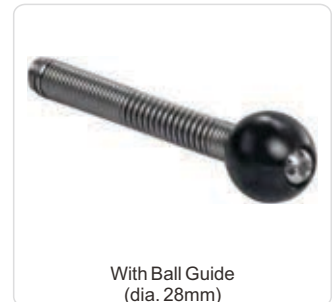
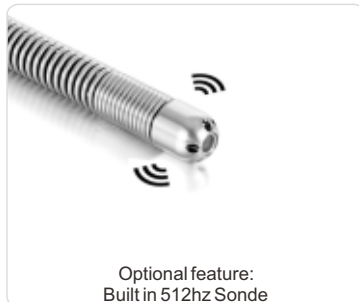
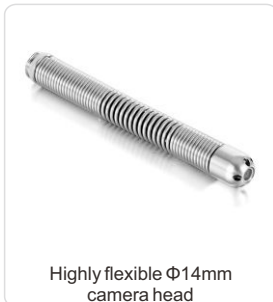
TCL-3199F-14mm

14mm Drain / Pipe Inspection Camera with 20m, 30m or 40m (66, 98 or 131ft) cable



- 1/4" CMOS camera, 90° vision angle, 720H x 576V pixels Camera
- Size Φ 14mm \times 126mm(without spring)
- Sapphire glass lens cover, 4 white LEDs
- Diameter of camera:14mm, Focus Distance 10cm (approx) Water proof level, 10m underwater (camera fix on cable) 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 lasts up to 8 hours
- 20m, 30m or 40m(66ft, 98ft or 131ft) fiberglass push rod Rotatable
- cable reel mounted in case for convenient operation Waterproof
- ABS suitcase with all parts included

		CMOS 1/4"	
EASY to use	RECORD		



Specifications

Camera Head

Sensor	CMOS
Head Dimention	14mm(dia.) \times 14.5mm(Length)
Camera Material	304# Stainless Steel
View Angle	90° wide angle
Lens Cover	Sapphire glass
Leds	4 High Bright White LEDs
Water Proof	IP68/10m Under Water

Cable Reel

Material	Fiberglass Rod Cable
Wheel	Stainless Steel Wheel
Cable Length	20,30 or 40 Optional
Connector	Gold Touch-Point Connector
Rotation	Rotatable in the suitcase
Wheel Diameter	33cm
Cable Diameter	4.8mm

LCD Display and DVR

LCD Resolution	1024 \times 600 pixels
Video Compress	H.264
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	C10 SD card (Max. 64GB)






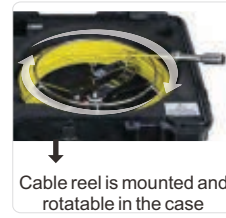
TCL-3199F-23mm

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

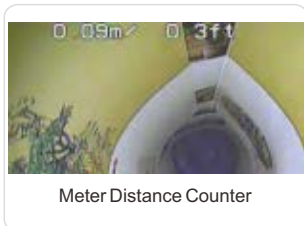


- 1/3 inch CMOS camera, 120° wide view angle
- stainless steel short camera head, IP68 water proof level
- Sapphire glass lens cover, 15 white LEDs
- Diameter of camera:23mm,suitable for pipe dia, 25-150mm(1"-5.9")
- 20-40m(66-131ft)fiberglass rod cable with stainless reel
- Cable reel rotatable in the case
- One touch record/still images button
- 7" TFT LCD monitor with DVR
- Rechargeable High capacity Li-battery(6600mA) for 8 hours continuous working
- Waterproof ABS suitcase with all parts included
- Optional feature: Meter counter/ 512hz sonde/ self-leveling/ keyboard.

 ø23mm(0.9")	 20/30/40m	CMOS 1/3"	 Li-battery
512 sonde	RECORD	7" COLOR DISPLAY	16:9 Widg Screen



Optional Features & Parts



Specifications

Camera Head

Sensor	1/3" CMOS
Head Dimention	23mm(dia.)x45mm(Length)
Camera Material	304# 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)

Cable Reel

Material	Fiberglass Rod Cable
Wheel	Stainless Steel Wheel
Cable Length	20,30 or 40 Optional
Connector	Gold Touch-Point Connector
Rotation	Rotatable in the suitcase
Wheel Diameter	33cm
Cable Diameter	5.2mm(0.2")

LCD Display and DVR

LCD Resolution	1024x600 pixels
Video Compress	H.264
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	C10 SD card (Max. 64GB)








TCL-03399F

PROVIX.NET
Now I CAN SEE!



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

- 1/3" Sony CCD camera, 120° wide vision angle, 752H * 582V pixels
- Camera Size Φ38mm×81mm (main body)
- Two roller skids, mini one at dia.72mm, another universal skid at dia.115-250mm
- Sapphire glass lens cover, 12 white LEDs
- Diameter of camera:38mm, Focus Distance 20cm (approx)
- Water proof level, 20m underwater (camera fix on cable)
- Push cable dia. 6.8mm
- 7" LCD color monitor
- Support SD Card slot to store still pictures or videos
- One push record button
- LED brightness control buttons
- Video image rotate button
- With microphone for audio recording
- Built-in rechargeable battery lasts up to 5 hours
- On-Screen date and time
- With self-leveling feature
- On-screen meter/ft. distance display
- With keyboard for text input
- 40, 50, or 60m fiberglass push rod
- Built-in 512hz sonde(optional)

 Φ38mm(1.5")	Self Leveling	SONY CCD	 Li-battery
512 sonde		 7" COLOR DISPLAY	 16:9 Wide Screen



Mini Roller Skid, Dia. 70mm/2.76" for pipe dia. 75-120mm(2.95-4.72")



Universal Roller Skid, Dia. 120mm(Min.)250mm (Max.)(4.72-9.84")



Keyboard for Text Input



Stand Horizontally

Specifications

Camera Head

Material	#304 Stainless Steel
Dimension	Φ38mmx81mm(Main body)
sensor	1/3" Sony CCD,480 TV Lines
View Angle	120°
Focal Distance	12-120cm
LEDs	12pcs high light LEDs
Waterproof	Max.20m(65') under water

Push Cable

Cable dia.	6.8mm
Cable Material	Fiberglass
Available Length	40/50/60m(131/164/197ft)
Wheel Material	Stainless Steel

Monitor

LCD	7" 16:9 high definition color LCD monitor
Resolution	1024x600 pixels
Encoding	H. 264
Storage	SD Card slot to store still images or videos
Sound	Local audio recording
Battery	Built-in rechargeable battery
Work time	4-5 hours
Charge time	6-7 hours
Menu Language	English, German, French, Spanish, Italian, Chinese, Japanese, Russian, Portuguese.










TCL-3399FB with monitor and keyboard mounted in a rain resistant box

TCL-3299F



Drain/pipe Inspection Camera System with 60-120m (195-394ft) cable

- 1/3" Sony CCD camera, 120° wide vision angle, 752H * 582V pixels
- Camera Size $\Phi 38\text{mm} \times 81\text{mm}$ (in body)
- Two roller skids, mini one at dia. 72mm, another universal skid at dia. 115-250mm
- Sapphire glass lens cover, 12 white LEDs
- Diameter of camera: 38mm, Focus Distance 20cm (approx)
- Water proof level, 20m underwater (camera fix on cable)
- Push cable dia. 9mm
- 7" LCD color monitor
- SD Card slot to store still pictures or videos
- One push record button
- LED brightness control buttons
- Video image rotate button
- With microphone for audio recording
- Built-in rechargeable battery lasts up to 5 hours
- On-Screen date and time
- With self-leveling feature
- On-screen meter/ft. distance display
- 60, 80, 100, or 120m fiberglass push rod
- Built-in 512hz sonde (optional)

 512 sonde	 Self Leveling	 SONY CCD	 Li-battery
 RECORD	 7" COLOR DISPLAY	 16:9 Wide Screen	



Mini Roller Skid, Dia. 70mm/2.76" for pipe dia. 75-120mm (2.95-4.72")	Universal Roller Skid, Dia. 120mm (Min.) 250mm (Max.) (4.72-9.84")	U-shape wheel Extension handle for taller operators	Universal Bracket to install monitor on top or side of the wheel
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Specifications

Camera Head

Material	#304 Stainless Steel
Dimension	$\Phi 38\text{mm} \times 81\text{mm}$ (Main body)
sensor	1/3" Sony CCD, 480 TV Lines
View Angle	120°
Focal Distance	12-120cm (4.71-47") 12pcs
LEDs	high light LEDs Max. 20m (65')
Waterproof	under water

Push Cable

Cable dia.	9mm
Cable Material	Fiberglass
Available Length	60/80/100/120m (197/262/328/394ft)
Wheel Material	Stainless Steel

Monitor

LCD	7" 16:9 high definition color LCD monitor
Resolution	800x480 R.G.B
Encoding	H.264
Storage	SD Card slot to store still images or videos
Sound	Local audio recording
Battery	Built-in rechargeable battery
Work time	4-5 hours
Charge time	6-7 hours
Menu Language	English, German, French, Spanish, Italian, Chinese, Japanese, Russian, Portuguese.



TCL-3299FB with monitor and keyboard mounted in a rain resistant box



Industrial Pan & Tilt Video Drain / Pipe Inspection Camera

Model No. **TCL-3388PT**

This is a professional video inspection camera with $\Phi 28\text{mm}$ Pan and Tilt camera head, 10" LCD monitor, $\Phi 8\text{mm}$ rod cable, 60m length, SD card or USB stick recording, etc. It's designed for inspection of sewer, pipe, air ducts, underground cable



Optional camera head: 56mm camera head + spring adapter

Features

- 1/3 inch ch CMOS Pan and Tilt camera head, pan 360° tilt 180°
- Stainless steel camera head, IP68 waterproof level
- Sapphire glass lens cover, 2 high light white LEDs
- Diameter of camera: 28 mm
- Two plastic guides for camera head, $\Phi 50\text{mm}$ & $\Phi 90\text{mm}$
- 10" LCD color monitor
- Support USB stick/SD Card slot to store still pictures or videos

- LED brightness control buttons
- With meter counter, feet and meter adjustable
- With microphone for local audio recording
- Rechargeable battery lasts up to 4 hours
- On-Screen date and time, distance counter
- 60m fiberglass, $\Phi 8\text{mm}$ push rod
- With auto-leveling function
- With Keyboard for text input (English)
- With 512hz sonde function

Wireless Duct Cleaning Inspection Camera

Model No. **TCL-3622F**

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

Specifications

Camera Head

Sensor	1/4" CMOS
Diameter	18mm
View Angle	120°
LEDs	12 White LEDs
Waterproof	Max. 10m under water
Focus Distance	20cm (Approx)

Air Tube

Length	7m
Diameter	16mm
Dia. of Forward Head	25mm
Dia. of Camera Housing	38mm
Power Supply	Rechargeable battery
Rear Connector	to standard air compressor

LCD Display and DVR

LCD Resolution	800x480 RGB
Video Encoding	H.264
External Memory	SD memory card up to 32GB
Language	Support 11 languages
Output	Video output port



512Hz Locator



TCL-P512R

The 512hz wireless locator is a scanner used to find the position of the camera head (with 512Hz transmitter inside). It is 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: 6*AA
- Current: <100mA
- Operation Mode: NORM/NOISE Sensitivity: NEAR/FAR continuous adjustable Output intensity: LCD 15 levels
- Size: 100*10*10mm
- Weight: 800g
- Operation Temperature: -10-50°



Optional Features: 512Hz & 33KHz Sonde

- 1. 512Hz Sonde for 14, 23 & 38mm camera head (built-in)
- 2. 33KHz Sonde for 23mm & 38mm camera head (external adapter)



5.5mm 720P HD 2-Way Articulating Borescope with Flexible Tube

TCL-HD5806AL

Features

- Camera Head: 5.5mm, 640x480 pixels, 4 white LEDs
- Tube: Flexible, 1m length
- Articulation: 2 way, 300 Degrees
- 5" monitor with SD card recording/still image capture. With silicon





Cavity Wall Inspection Camera

TCL-4908AL (Upgraded Version with Sturdy 5" LCD)

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

Features

- 2.4Ghz wireless transmission between camera and monitor
- Mini stainless steel insertion tube, dia.: 9mm
- Tube length 300mm
- Side view camera head, 380TVL
- 2 high intensity LEDs on camera head, providing light up to 1.5 meters
- Video out function
- 5" TFT-LCD wireless monitor with SD card recording (Max. SD card: 32GB)
- Waterproof level: IP67 (camera tube only)
- Built-in Rechargeable Li-battry for both camera and monitor

Other Versions:

TCL-HD4908

Wired with 3.0" LCD, powered by 4xAAA batteries

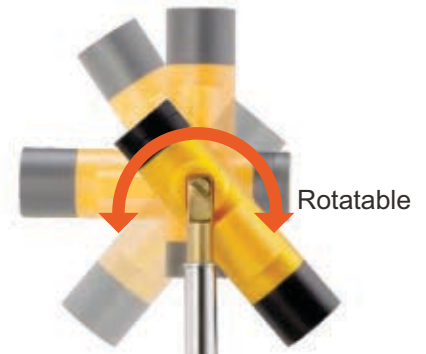
TCL-HD4908-WiFi:

WiFi Version, APP operated supports both iOS and Android Phones

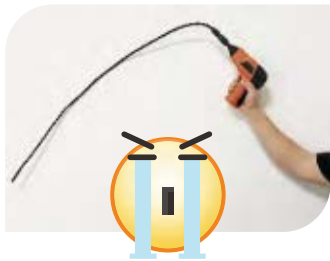
Multi-Purpose Mountable WiFi Video Borescope With 1m Telescopic Pole

TCL-TV80W

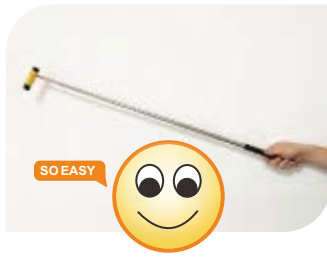
This is an innovative WiFi inspection camera that can be mounted on different rods and poles to get extended reach. It's built-in WiFi hotspot for using on both iOS and Android devices. It's perfect for a wide range of applications including locating electrical wiring, building inspections, home inspection,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



NEW



Standard borescope with soft tube, hard to control directions



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

- Weather Proof
- Recording
- Night Vision
- Telescopic
- Hook and Magnet
- Rotatable
- WiFi