

RTX 500 Pipe Inspection Camera System

Well-known Polish inspection cameras are now even better. The RTX 500 set is designed for inspecting pipes with diameters from 150mm to 500mm.

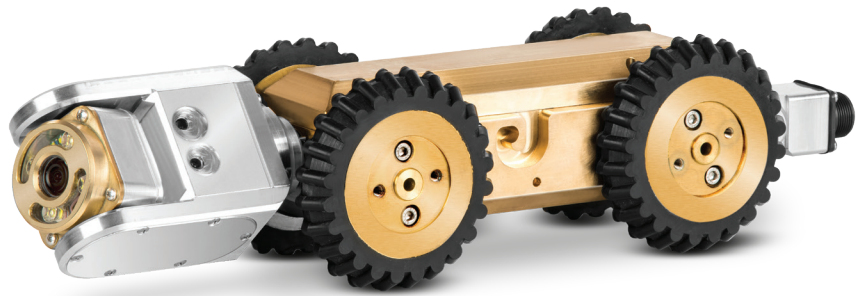


Camera:

- ▶ Standard video - PAL (color)
- ▶ Image resolution - min 720 TV lines
- ▶ HD Ready and FULL HD optional
- ▶ Camera sensitivity min 0.2 lux
- ▶ Lens - viewing angle min 104 degrees
- ▶ Automatic lens aperture control
- ▶ Automatic backlight compensation
- ▶ Automatic white balance
- ▶ Automatic signal gain
- ▶ Focus point 5cm from the head
- ▶ Rotating Camera:
 - ▶ Number of axes of rotation 2
 - ▶ Rotation around the horizontal axis 360 degrees
 - ▶ Rotation around the vertical axis min 260 degrees
 - ▶ Automatic leveling

Control box:

- ▶ Control integrated with a PC computer
- ▶ Flat monitor - min 19"
- ▶ Computer in a special reinforced box
- ▶ Video recorder - HDD
- ▶ Recording time - min 50 hours.
- ▶ Entering descriptions - keyboard with Polish characters
- ▶ Program for processing the recorded image
- ▶ Handling of all system functions (head, trolley, basic and additional lighting, slope measurement, distance measurement)
- ▶ Smooth adjustment of basic and additional lighting
- ▶ Video signal output
- ▶ Built-in PC computer, DVD burner, USB 2.0
- ▶ PC keyboard, mouse
- ▶ Built-in character generator for placing descriptions of
 - ▶ Damage and permanent inspection data (date, time,
 - ▶ Meter status, street name, etc.) on the video image



Self-propelled trolley:

- Method of transporting the head - self-propelled trolley
- enables inspection of the condition of the patency and damage of pipes with a cross-section from 100mm to 500 mm (RTX 500)
- Possibility of introducing into the channel through a DN 315 well
- the trolley has 2 sets of interchangeable wheels for different diameters together with spacers
- Housing, aluminum
- Trolley housing - waterproof, nickel-plated
- Sealing of the trolley axles with double o-rings
- Trolley drive - Electric/ 2 drive axles
- Power transmission - 2 rigid axles
- Total number of axles - 2
- Direction change - manual
- Speed control - manual
- System power supply 12-14 V DC
- Camera sealing method - electronics flooded with special resin
- Minimum current consumption - 6A
- control of driving and inspection parameters - the system measures such parameters as: distance traveled (accuracy up to 1 cm), trolley tilt angle to the side (prevents dangerous tilts, alarming the operator and stopping the trolley),

Inspection Software:

- free lifetime software updates
- Damage and descriptions are cataloged in accordance with the latest applicable Polish Standard PN-EN 13508-2.
- Software adapted for installation on three computer stations without the need to purchase additional licenses
- Customer data and individual jobs are saved in catalogs
- Graph of the level of slopes - real and averaged as well as momentary course of the survey - possibility of taking pictures and writing descriptions in any position of the trolley (also during film processing after the inspection is completed)
- Inspection report - in the form of photos and descriptions of marked places

Transmission reel:

- 100m-150m cable Possibility of later installation of the set on a camera car.

