

# RTX 1200 Pipe Inspection Camera Specifications



## Camera:

- ▶ Video standard - PAL (color)
- ▶ Image resolution - min 720 TVL
- ▶ Optional HD Ready and FULL HD
- ▶ Camera sensitivity min 0.2 lux
- ▶ Lens - viewing angle min 104 degrees
- ▶ Automatic lens aperture control
- ▶ Automatic back light compensation
- ▶ Automatic white balance
- ▶ Automatic signal gain
- ▶ Focus point 5cm from the head
- ▶ Rotating Camera:
- ▶ Number of axes of rotation 2
- ▶ Horizontal axis rotation 360 degrees
- ▶ Vertical axis rotation min 260 degrees
- ▶ Automatic leveling

## Control box:

- ▶ Integrated with PC control
- ▶ Flat screen 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
- ▶ support for all system functions (head, carriage, basic and additional lighting, slope measurement, distance measurement)
- ▶ smooth adjustment of basic and additional lighting
- ▶ Video signal output
- ▶ built-in PC, DVD burner, USB 2.0
- ▶ PC keyboard, mouse
- ▶ built-in character generator for placing descriptions of damages and permanent inspection data (date, time, meter reading, street name, etc.) on the video image

## Self-propelled trolley:

- Head transport method - self-propelled carriage
- allows for inspection of the condition of the patency and damage of pipes with a cross-section from 100mm to 500mm (RTX 500) and from 150mm to 1200mm (RTX 1200)
- possibility of introducing into the channel through a DN 315 well
- the carriage has 2 sets of interchangeable wheels for different diameters with spacers
- Housing, aluminum
- Carriage housing - waterproof, nickel-plated
- Sealing of the carriage axles with double o-rings
- Carriage 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 immersed in a 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), angle of inclination of the carriage to the side (prevents dangerous inclinations, alarming the operator and stopping the carriage),

## Transmission reel:

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

## Transmission reel:

- The RTX 1200 is a pipe inspection camera system designed for inspecting pipes with diameters ranging from 150mm to 1200mm.
- The system includes a self-propelled carriage, a rotating camera head, a control box, and a transmission coil.
- The camera head has a resolution of at least 720 TVL and a viewing angle of 104 degrees.
- The carriage is powered by an electric motor and can travel up to 100 meters per hour.
- The control box includes a monitor, a computer, and a video recorder.
- The software allows the operator to control the camera, carriage, and lighting, as well as to record and review the inspection video.

## 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 works are saved in catalogs
- slope level graph - actual and averaged, as well as momentary
- course of the inspection - possibility of taking pictures and making descriptions in any position of the carriage (also during post-inspection processing of the film)
- inspection report - in the form of photos and descriptions of marked places

