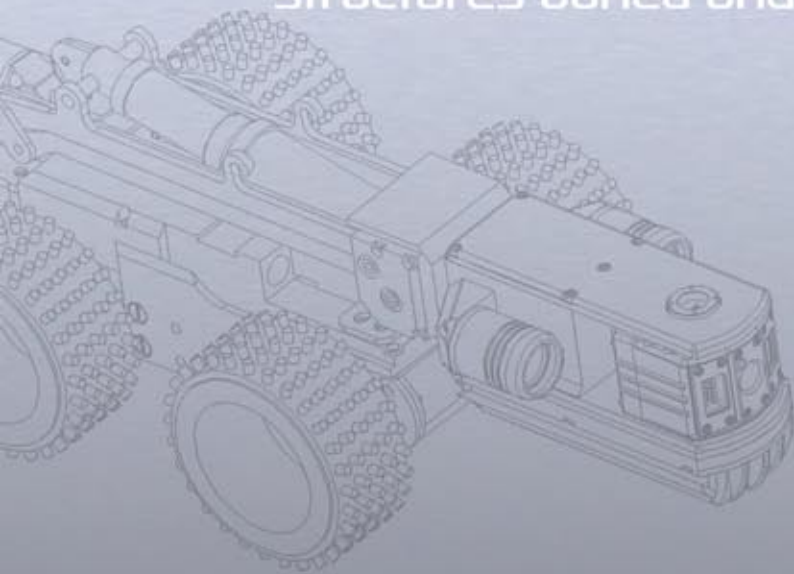


CAMEROV[®] TOR 200^{DZO}

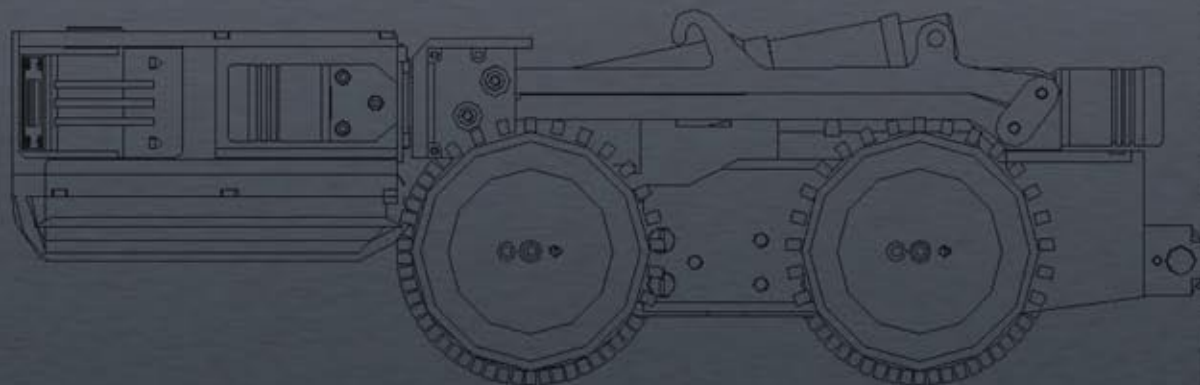
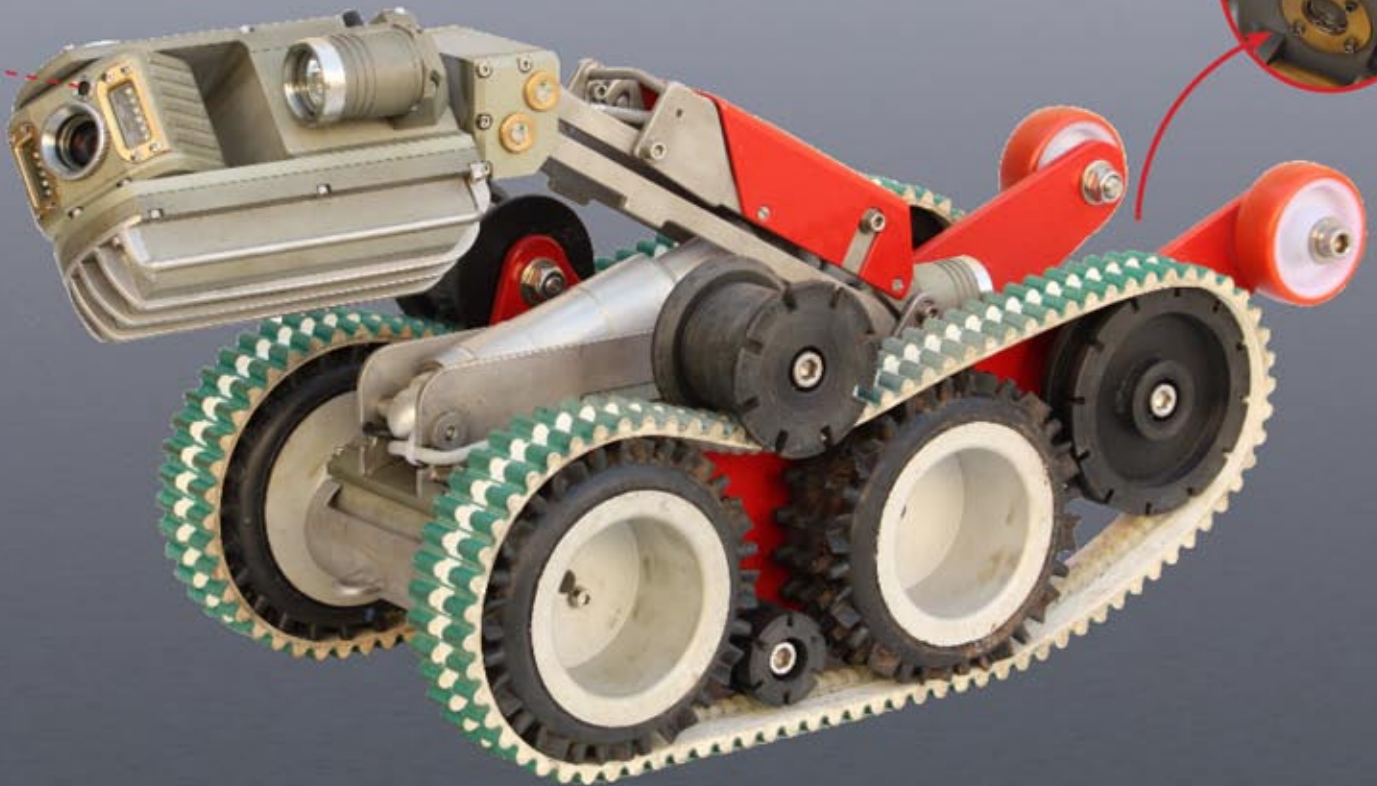
Inspection robot for sewage networks and structures buried under railways



Color reverse travel camera



laser



Steerable and rotating head colour TOR 200^{DZO} camera

- Pressurized
- Sensor : 1/4" super HAD CCD
- Monitor : Standard colour PAL
- Resolution : 460 TV lines
- Number of pixels : 440 000
- Sensitivity : 0,13 lux
- Iris : electronic
- White balance : automatic
- Gain : automatic
- Focus : manual or automatic
- Zoom : x 10 optical - x 4 digital
- Travel : azimuth 360° - tilt 270°
- Restoring : automatic
- Focusing : controlled
- Lighting : white variable LEDs
- Axial light : 2 white Leds projectors
- Material : Aluminium and stainless steel housing
- Size : L x l x h : 69 x 17,5 x 18 cm
- Camera-trolley weight : 23 kg

Bidirectional trolley TOR 200^{DZO}

- Pressurized
- Traction : 4 wheeldrive bidirectional
- Motricity : 4 spiked wheels Ø 120 mm
- Articulated connector
- Material : Aluminium and stainless steel housing
- Mechanical system for taking down the robot

Options

- Inclinometer
- Additional projectors 2 x 20 W
- Laser position sensor
- Electric pantograph
- 50 mm adaptators with rollers adn tracks
- 4 wheels Ø 160 mm

Color reverse travel camera

- Sensor : Color 1/4 " CCD
- Resolution 320 TV line
- Sensitivity : 0,8 lux
- Iris : electronic
- Halogenous projector : 20 W
- Pre-set wide angle lens



Unité 3 C 200 (Contrôle / Commandes "Compact")

- Control board
- Electronic command module for camera
- Electronic command module for trolley
 - . Module for electronic card and video inlay
 - . Module for traction motor power supply
 - . Module for main power supply
- Size : L x l x H = 21,5 x 27 x 28 cm
- Weight : 14 kg

"COMPACT-A" motorized winch

- Material : Aluminium
- Electromechanical distance meter
- Electromagnetic clutch
- Device to roll and unroll
- Electric junction box with emergency stop and variable speed transmission
- Size : L x l x H = 56 x 54 x 55 cm
- Weight with umbilical cable : 61 kg
- Remote control deported to 4 meters with:
 - Winding fonction "COMPACT-A" motorized winch
 - Inverter forward / return motion robot
- Umbilical cable :
 - Length 150 m
 - Ø 9,5 mm
- Reticulated polyurethane
- IRCO connector
- Tensile strenght : 1000 kg

