

## PTP70II - P&T head camera Ø 85 mm - 300 mm

The pan & tilt head camera PTP70II disposes of endless rotation and a panning range of  $-20^{\circ}$  up to  $+110^{\circ}$ . The pan & tilt camera PTP70II is connected to a crawler with the crawler adapter RCC70 or to the AGILIOS™ - push camera system by means of the spring connection SP70.

### TECHNICAL DATA - PTP70II

Nominal pipe widths	DN 90
Pipe bend mobility	as of DN 110 / $90^{\circ}$
Pressure tightness	up to max. 1 bar
Panning range	$-20^{\circ}$ – $+110^{\circ}$
Rotation range	endless
Illumination	LED-Illumination
View angle	$60^{\circ}$ horizontal (image always upright))
Focus	5 mm - $\infty$ (manually)
Optical zoom	-
Digital zoom	-
Resolution horizontal	420 TVL / PAL
Iris control	fixed
Sensitivity to light	0.025 Lux
Location transmission	512 Hz / 640 Hz (to be activated at choice, switch between frequencies)
Drive	motor-driven
Laser pointer	yes
Distance laser	25 mm
Internal pressure sensor	yes
Angle sensor for panning	yes
Angle sensor for rotation	yes
Protection class	IP68 up to 10 m water depth
Ambient temperature range	$0^{\circ}\text{C}$ - $40^{\circ}\text{C}$
Storage temperature range	$0^{\circ}\text{C}$ - $40^{\circ}\text{C}$
Material	aluminum
Dimensions (ø x L)	72 x 112 mm (without SP70/RCC70)
Weight	1.0 kg (without SP70/RCC70)



- CMOS color camera
- Rotation and pan unit integrated in the camera head
- Endless rotation range
- Powerful homogeneous illumination through LED lighting
- Light control from 0 - 100%
- Impact-resistant lighting ring with integrated, interchangeable bumper
- Constantly upright picture
- Integrated laser to determine crack widths
- Location transmitter can be activated
- High sensitivity to light
- High resolution
- Indication of the panning and rotation angle on the GUI of the VC200 / DCX5000 and in the text generator (VC200)
- Internal pressure indication via system status VC200 / DCX5000
- With spring connection SP70 compatible to the AGILIOS™ - push camera system
- With crawler adapter RCC70 compatible to the ROVION®-inspection system
- Interruption-free panning of pipe connections
- Optionally available as EX version