

# RCX90

## Zoom pan and tilt camera Ø 146 mm - 2000 mm

Zoom pan and tilt camera head RCX90 for ROVION inspection systems with strong, homogeneous illumination through separately adjustable LED illumination for close and far ranges. The camera features a large zoom range, endless rotation and a large panning range. Moreover, it is characterized by its high-quality and robust structure and its very good optical characteristics.

### Technical data - RCX90

Normal pipe widths	DN 150 - DN 2000
Push operation	No
Crawler operation	Yes
Pressure tightness	Up to maximum 1 bar
Panning range	+/- 135°
Rotation range	Endless
Illumination	LED illumination
View angle	About 60° (horizontal)
Focus	10 mm to endless (automatically and manually)
Optical zoom	10 x
Digital zoom	12 x
Resolution (horizontal)	530 TVL/PAL
Aperture control	Automatically and manually
Sensitivity to light	1 Lux
Upright picture	No
Laser pointer	Yes
Distance laser	50 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°C to 40°C
Storage temperature range	-20°C to 70°C
Material	Aluminium
Dimensions (WxHxD)	81 x 72 x 168 mm
Weight	1.5 kg



- CCD color camera
- Zoom 10 x optical and 12 x digital
- Rotation and pan unit integrated in the camera head
- Endless rotation range
- Panning range +/- 135°
- Integrated laser to determine diameters and crack widths
- Powerful homogenous illumination through separately adjustable LED illumination for close and far ranges.
- Stepless light control from 0 to 100%
- Impact-resistant lighting ring
- Indication of the panning and rotation angle on the GUI of the control panel and in the text generator (depending on the used control panel)
- Internal pressure indication via system status
- Optionally available as EX version