

RCX90 - Crawler Pan / Rotate Zoom Camera

<https://ehle-hd.com/en/product/rcx90-crawler-zoom-camera/>



The **RCX90 pan and rotate zoom camera head** for the ROVION inspection system from IPEK offers powerful, homogeneous illumination thanks to separately adjustable LED lighting for the near and far ranges. The camera has a large zoom range, endless rotation and a large swivel range. It is also characterized by its high-quality, robust construction and excellent optical properties.

The integrated lasers of the camera probe make it possible to determine the dimensions of nominal pipe diameters and measure cracks and damage in the pipeline.

Optionally available with full HD resolution and for the EX zone.

Features

- CMOS color camera in SD or Full HD
- Application range from DN150 - 2200 mm
- Zoom 10x optical and 12x digital
- Rotation and swivel unit integrated in the camera head
- Endless rotation range
- Panning range +/- 135°
- Integrated laser for diameter and crack width determination
- strong homogeneous illumination thanks to separately adjustable LED lighting for the near and far range
- Light control from 0 to 100%
- Impact-resistant illumination ring
- Angle display tilt and rotation on GUI of the control panel and in the data recording (depending on the control panel used)
- Internal pressure display via system status
- Quick Change Design (QCD) for quick and easy installation
- Compatible with ROVION inspection system

Technical data:

- Nominal pipe widths: from 150 mm
- crawler operation: Yes

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- Pressure tightness: up to a maximum of 1 bar
- Lighting: powerful, focused LED lighting to illuminate the pipe depth
- Panning range: +/- 135°
- Rotation: endless
- Focus: 10 mm to infinity (automatic and manual)
- Optical zoom: 10x
- Digital zoom: 12x
- Light sensitivity: 0.05 lux
- Laser: yes double laser
- Laser distance: 50 mm
- Internal pressure sensor: yes
- Angle sensor: yes (pan and rotate)
- Protection class: IP68
- Ambient temperature range: 0°C to 40°C
- Storage temperature range: -20°C to 70°C
- Material: Aluminum
- Dimensions (WxHxD): 81 x 72 x168 (incl. connector plug)
- Weight: 1.5 kg

Scope of delivery:

- 1x RCX90 / RCX90 HD camera head
- 1x standard accessory

Attributes

Image	SKU	Productname	Attributes	LxWxH & Weight
	IP561-0900-06	RCX90 - Crawler Zoom Pan / Rotate camera	work range: 150 - 2200 mm system: ROVION resolution: SD	168 × 81 × 72 mm 1.5
	IP561-0900-74	RCX90 - Crawler Zoom Pan / Rotate camera (ATEX)	work range: 150 - 2200 mm system: ROVION resolution: SD use: ATEX-Zone 2 ATEX Zone 1	168 × 81 × 72 mm 1.5
	IP561-3900-01	RCX90 HD - Crawler Zoom Pan / Rotate camera	work range: 150 - 2200 mm system: ROVION resolution: Full-HD	168 × 81 × 72 mm 1.5
	IP561-3900-71	RCX90 HD - Crawler Zoom Pan / Rotate camera (ATEX)	work range: 150 - 2200 mm system: ROVION resolution: Full-HD use: ATEX-Zone 2 ATEX Zone 1	168 × 81 × 72 mm 1.5