

PTC50 - Crawler Pan / Rotate Camera

<https://ehle-hd.com/en/product/ptc50-crawler-camera/>



The **PTC50 pan and rotate camera** is used on the ROVION inspection system from IPEK. The application range starts at DN100. The camera has endless rotation and a large pan range. It is characterized by its high-quality and robust design and very good optical properties.

The integrated lasers of the camera head 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
- rotation and pan unit integrated in the camera head
- backward view into the connecting pipe possible when inspecting in the direction of water flow
- strong, homogeneous illumination thanks to adjustable LED lighting
- impact-resistant lighting ring with integrated stainless steel impact protection
- scratch-resistant, replaceable camera front glass (sapphire glass)
- upright image (in axial view)
- integrated laser for diameter and crack width measurement
- large viewing angle
- focus function
- Quick Change Design (QCD) for quick and easy installation
- compatible with ROVION crawler inspection system

Technical data:





- nominal pipe sizes: DN100 - DN300
- Crawler operation: Yes
- pressure tightness: up to a maximum of 1 bar
- lighting: powerful, focused LED lighting to illuminate the pipe depth
- viewing angle: approx. 90° (diagonal)
- panning range: from -90° to +122°
- rotation: endless
- focus: approx. 4 mm to infinity

- zoom: digital zoom possible in the control panel
- light sensitivity: 0.05 lux
- laser: yes double laser
- laser distance: 21 mm
- internal pressure sensor: yes
- angle sensor: yes (tilt and rotation)
- protection class: IP68
- ambient temperature range: 0°C to 40°C
- storage temperature range: -20°C to 70°C
- material: Stainless steel
- dimensions (WxHxD): 50 x 106 (incl. connector plug)
- weight: 400 g

Scope of delivery:

- 1x RPTC50 / PTC50 HD camera head
- 1x standard accessory

Attributes

Image	SKU	Productname	Attributes	LxWxH & Weight
	IP595-0960-03	PTC50 - Crawler Pan / Rotate camera	work range: 100 - 300 mm system: ROVION resolution: SD	106 × 50 × 50 mm 0.400
	IP595-0960-73	PTC50 - Crawler Pan / Rotate camera (ATEX)	work range: 100 - 300 mm system: ROVION resolution: SD use: ATEX-Zone 2 ATEX Zone 1	106 × 50 × 50 mm 0.400
	IP595-3960-01	PTC50 HD - Crawler Pan / Rotate camera	work range: 100 - 300 mm system: ROVION resolution: Full-HD	106 × 50 × 50 mm 0.400
	IP595-3960-71	PTC50 HD - Crawler Pan / Rotate camera (ATEX)	work range: 100 - 300 mm system: ROVION resolution: Full-HD use: ATEX-Zone 2 ATEX Zone 1	106 × 50 × 50 mm 0.400