

PTP50 II - Pan / Rotate Camera

<https://ehle-hd.com/en/product/ptp50-pan-rotate-camera/>



The **PTP50 (version II) pan and rotate camera** is used on the AGILIOS HD push camera system from IPEK. The application range starts at DN60 and from DN75 it can be bent 90°. The camera has endless rotation and a large pan range. It is characterized by its high-quality and robust construction and very good optical properties. With the help of the bending rod, it is possible to turn into branches (lateral inspections) and inspect complete pipe systems.

The pan function enables views in all directions, including the automatic rotation of pipe joints. The integrated lasers of the camera probe can be used 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

- Use from DN60 - DN300, optionally up to 400 mm with roller skid
- 90° bendable from DN 75
- Upright image (axial view)
- Rotation and pan unit integrated in the camera head
- Backward view into connecting pipe possible when inspecting in the direction of water flow
- Strong, homogeneous illumination thanks to adjustable LED lighting
- Sturdy construction, high-strength stainless steel housing against wear and tear
- Scratch-resistant, replaceable camera front glass (sapphire glass)
- Integrated laser for diameter and crack width measurement
- Multi-frequency location probe (can be switched on and off)
- Large viewing angle
- Focus function
- Compatible with the AGILIOS push camera system

Technical data:

- Pressure tightness: up to max. 1 bar
- Viewing range: from -55° to + 152

page 1







- Panning range: from -26° to + 122
- Rotation range: endless
- Illumination: LED illumination for near and far range
- Viewing angle: 80° horizontal
- Focus: 1 mm to infinity
- Exposure control: automatic
- Light sensitivity: 0.4 lux
- Upright image: Yes (in axial view)
- Positioning: 512 Hz/640 Hz/33 kHz (can be switched on and off)
- Laser: Yes Distance of the double laser 21 mm
- Internal pressure sensor: Yes
- Angle sensor tilt: Yes
- Angle sensor 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: Stainless steel
- Dimensions (ØxL): 49 x 280 mm (incl. spring connection)
- Weight: approx. 0.98 kg

Scope of delivery:

- 1x camera PTP50 / PTP50 HD
- 1x centring skid D54
- 1x protective cover
- 1x lateral pin 85mm
- 1x standard accessories

Attributes

Image	SKU	Productname	Attributes	LxWxH & Weight
	IP595-0900-03	PTP50 II - Pan / Rotate Camera	work range: 60 - 300 mm system: AGILIOS resolution: SD	280 × 49 × 49 mm 0.98
	IP595-0900-73	PTP50 II - Pan / Rotate Camera (ATEX)	work range: 60 - 300 mm system: AGILIOS resolution: SD use: ATEX-Zone 2 ATEX Zone 1	280 × 49 × 49 mm 0.98
	IP595-3900-00	PTP50 II HD - Pan / Rotate Camera	work range: 60 - 300 mm system: AGILIOS resolution: Full-HD	280 × 49 × 49 mm 0.98
	IP595-3900-70	PTP50 II HD - Pan / Rotate Camera (ATEX)	work range: 60 - 300 mm system: AGILIOS resolution: Full-HD use: ATEX-Zone 2 ATEX Zone 1	280 × 49 × 49 mm 0.98