

RCX100 HD - Crawler Pan / Rotate Zoom Camera

<https://ehle-hd.com/en/product/rcx100-hd-crawler-pan-rotate-zoom-camera/>



The **RCX100 HD** pan-tilt camera from iPEK sets new standards in sewer TV inspection. With integrated deformation and diameter measurement, it works faster, more precisely, and more reliably than its predecessor, the RCX90. The spiral laser in combination with TOF sensors enables precise measurement of pipe deformations, while the continuous diameter display reliably reveals even the smallest deviations.

More powerful motors ensure fast and safe swiveling at sockets. The robust design and homogeneous LED illumination ensure improved and clearer image quality as well as a longer service life for the camera head.

Optionally available for the EX zone.

Features

- Full HD camera for precise sewer TV inspections
- integrated deformation and diameter measurement
- spiral laser and TOF sensors for accurate measurement results
- continuous diameter display detects even the smallest deviations
- powerful motors for safe swiveling at sockets
- homogeneous LED illumination for improved image quality
- robust construction for long camera head service life
- large pan and tilt range for flexible inspections
- suitable for a wide range of pipe diameters
- also available as an option for use in EX zones
- quick Change Design (QCD) for quick and easy installation
- compatible with ROVION inspection system

Technical data:

- Nominal pipe diameters: from 150 mm
- Trolley operation: Yes
- Pressure resistance: up to a maximum of 1 bar
- Lighting: powerful, homogeneous, regulated LED lighting for close-up and long-range viewing
- Swivel range: +/- 135°
- Rotation: endless

page 1

- Focus: 10 mm to infinity (automatic and manual)
- Optical zoom: 10x
- Digital zoom: 16x
- Resolution: 1920 x 1080 px
- Light sensitivity: 0.1 lux
- Laser: yes, dual laser
- Laser distance: 33.5 mm
- Internal pressure sensor: Yes
- Angle sensor: 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: aluminum/stainless steel
- Dimensions (WxHxD): 94 x 73 x 182
- Weight: 1.57 kg

Two versions available

The RCX100 HD is the first sewer camera available in two different versions. Depending on the version, the image sensor is rotated by 90° so that the camera is optimally designed for the respective area of application:

- H series: horizontal swivel (left–right)
- V series: vertical swivel (bottom–top)

Choose the version that suits the usual workflows of the inspectors – without any adjustments and with maximum ease of use.

Scope of delivery:

- 1x RCX100 HD camera head
- 1x standard accessory

Attributes

| Image | SKU | Productname | Attributes | LxWxH & Weight |
|---|---------------|--|---|--------------------------|
|  | IP545-3910-00 | RCX100X HD (Serie H) - Crawler Zoom Pan / Rotate camera | work range: 150 - 2000 mm camera: horizontal positioning system: ROVION resolution: Full-HD | 182 × 94 × 73 mm 1.57 |
|  | IP545-3900-00 | RCX100X HD (Serie V) - Crawler Zoom Pan / Rotate camera | work range: 150 - 2000 mm camera: vertical positioning system: ROVION resolution: Full-HD | 182 × 94 × 73 mm 1.57 |
|  | IP545-3900-70 | RCX100X HD (Serie V / ATEX) - Crawler Zoom Pan / Rotate camera | work range: 150 - 2000 mm camera: vertical positioning system: ROVION resolution: Full-HD use: ATEX Zone 1 ATEX-Zone 2 | 182 × 94 × 73 mm 1.57 |