

Easy Data Collection - Amazing Results

Inspecting a manhole with PANORAMO® SI 4K is as simple as 1-2-3. All you have to do is lower the unit into the manhole, turn it on, and pull it back up! No other system captures the quality or quantity of data that PANORAMO® SI 4K does.

Types of Data

The PANORAMO® SI 4K captures a complete 360° Perspective View of the manhole which you can view at any time, from any angle. The Unfolded View allows you to look at the entire manhole surface on one screen and the Geometric View allows you to measure features inside the manhole in three dimensional space. Simply export the Geometric View out to any CAD program to continue your analysis!

100% Coverage | More than 4 times faster!

Other manhole inspection methods are slow, clumsy, and unsafe compared to PANORAMO® SI 4K. With its unique ability to capture every inch of the manhole from multiple angles - you will never miss an observation.

IBAK PANORAMO® SI 4K

The PANORAMO® SI 4K has revolutionized the way system owners inspect their buried structures. Manholes, duct boxes, storm drains, and any other underground chamber can be inspected quickly and safely with this system. Keep your employees safe, increase the productivity and accuracy of your crews and provide data that helps system owners make informed decisions!



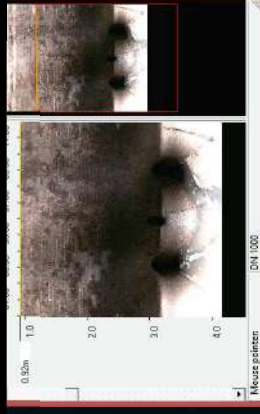
Technical Specifications

Max. Speed	14" (35cm)/sec.
Min. Diameter	12" (300 mm)
Pressure Protection	Standard
Viewer Software	Free, distributable
Cameras	Twin 185° Digital
Zoom	Digital
CAD output	dxg
3-D Measurement	Available

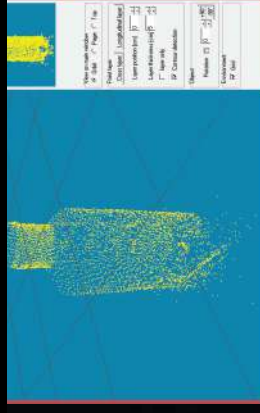
360° Perspective



Unfolded View



Geometric View



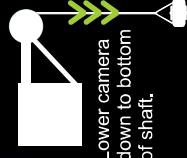
NOW WITH 4X INCREASED RESOLUTION!

1



Set up over the shaft.

2



Lower camera down to bottom of shaft.

3



Raise camera back up.

IBAK KIEL
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