

PANORAMO® SI 4K

PANORAMO SI
Technology



NEVER MISS AN OBSERVATION

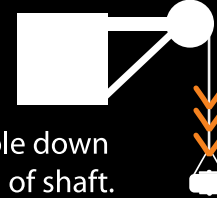
The PANORAMO® SI 4K has revolutionized the way system owners inspect their buried structures. Manholes, duct boxes, storm drains, and any other underground chamber that can be inspected quickly and safely with this system. With its unique ability to capture every inch of the manhole from multiple angles, you can keep your employees safe, increase productivity and accuracy of your crews, provide data that helps system owners make informed decisions, and never miss an observation.

1



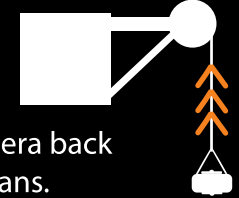
Set up over shaft.

2



Lower cable down
to bottom of shaft.

3



Raise camera back
up as it scans.

DATA COLLECTION MADE EASY

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. While doing so, it captures 3 different views - a 360° perspective, an unfolded view, and a geometric view. No other system captures the quality or quantity of data like that of the PANORAMO® SI 4K.

100%
COVERAGE

4X
FASTER

360°
PERSPECTIVE

KW SI® 50

This motorized drum is perfect for installation in an inspection vehicle or ATV. Running 120VAC, this unit has 165' (50m) of 4K Fiber Optic cable to take your manhole inspections even further while maintaining a compact footprint. Featuring level wind, optional extendable drawer, multi-position boom, and remote control pendant. A great option when you are outfitting a dedicated manhole inspection unit.



KW SI® 50

IBAK KIEL
473419
MfD 2019

KW SI® + MOBILE RACK

Inspecting off-road or hard to reach manholes just got easier. This compact and portable cable reel can be operated from the mobile rack with a laptop, or it can be installed in a vehicle. The quick-acting fasteners allow the cable reel and mobile rack to be removed from the vehicle and converted into a mobile system in a few easy steps. All of the components of the system are intended for outdoor use, from the large pneumatic tires to the water-resistant laptop. Power is supplied from high-efficiency standard rechargeable batteries or a lithium battery installed in your vehicle.



KW SI®



PANORAMO® SI 4K Portable
KW SI® + Mobile Rack

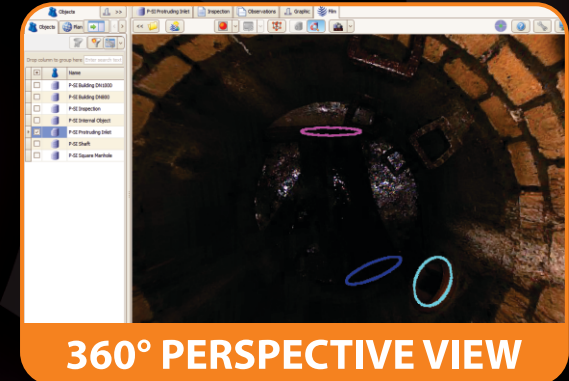
PANORAMO SI 4K Technical Specifications

Maximum Speed	14" (35cm) / sec.
Minimum Diameter	12" (300mm)
Pressure Protection	Standard
Viewer Software	Free, Distributable
Cameras	Twin 185° Digital
Zoom	Digital
CAD Output	dxg
3D Measurement	Available

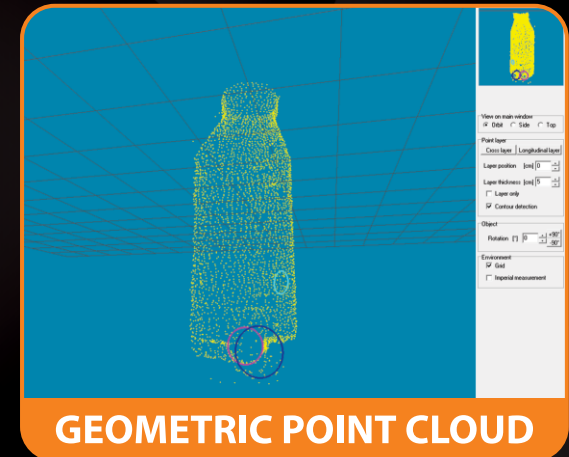
COMPATIBILITY

Choose the PANORAMO® SI 4K as an add-on to your existing PANORAMO® system, or as a portable stand-alone unit, self-contained on a compact 4'x4' skid for easy transportation. On the skid, the unit can easily be mounted in a cargo van, pick-up bed, or an off-road ATV. The electronics are housed in a military-style case with a flip-up monitor and keyboard, making it a durable and convenient solution for manhole inspection.

3 VIEWS FOR ANALYSIS



360° PERSPECTIVE VIEW



GEOMETRIC POINT CLOUD



UNFOLDED VIEW