CLEVER SCAN
portable, automated manhole scanner
Manhole inspection is all about productivity and detail.

With the press of a button, CleverScan performs a rapid, high-res, fully automated manhole inspection. You get a flat scan that captures image detail from every inch of manhole wall, plus a dense point cloud that can be easily merged into any CAD or 3D application. CleverScan’s compact, lightweight design travels anywhere and deploys in minutes.

CleverScan’s four lasers capture manhole geometry to a high-resolution point cloud. This data is ideal for performing capacity studies, taking measurements for rehab projects and populating CAD models. Point cloud data is exportable in a variety of common formats and can be viewed directly in CleverScan software and WinCan’s CleverScan module.

CleverScan helps keep your per-manhole inspection costs at an industry low:

**Productivity.** When you inspect more manholes per day, your cost per manhole drops.

**Operating Costs.** CleverScan is the industry’s most affordable automated manhole scanner.

**Portability.** CleverScan’s compact, lightweight design means it can be deployed by a single operator from any small utility vehicle, keeping overhead costs low.

### Control Costs

Four laser scanners generate a dense point cloud for 3D analysis.

Accelerometers allow software to compensate for torsional and pendulous motion.

Strobing LEDs ensure bright, evenly lit image scans.

Five HD cameras capture high-res image data that’s stitched together into a single scan.

### Specifications

- **Weight**: 38 lb (18kg)
- **Height**: 3’7” (1.1m)
- **Camera Protection**: IP67
- **Control Protection**: IP54
- **Computer Req.**: Intel i5 or i7 CPU
- **Minimum 8GB RAM**
- **Gbit Ethernet Interface**
- **SSD (min. 256 Gb)**
- **HD Monitor (min. 1024×768)**
- **Windows 7 or 10 Business**

Specifications subject to change without notice.