



VC500 vision control

Take command of sewer inspection with the new VC500. This next-generation touchscreen controller for ROVER X supports your entire inspection workflow—operating the crawler, recording video, overlaying text and creating reports. What's more, it uploads your inspections wirelessly to WinCan Web, the new cloud platform for sharing sewer inspection data. In seconds, you can send your results to anyone with a web browser.

next-generation controls for **ROVER X**



status

- license info & updates
- advanced status indicators
- active project
- recording, ATEX & pressure indicators
- active inspection
- active defect catalog
- distance counters
- pan & roll indicators

anti-rollover protection

camera lift

clutch

buttons with a wrench offer fly-out controls

camera lasers

locating sonde

control

navigation

- record video
- capture still image
- enter observation
- lamp intensity camera and auxiliary lamps
- focus auto or manual
- zoom optical and digital
- camera switcher main, rear, auxiliary
- macros for task automation
- quick OSD text
- reel controls
- advanced status
- distance counters
- cruise control

home (this screen)

swipe pages

go back

help toggles icons with text

navigation

onscreen display (OSD)

Profiles: The information you need to display onscreen can change from job to job. The VC500 makes it easy to store different OSD profiles and load them with a simple tap.

Overlay Elements: Choose among six types of overlay elements. All can be positioned via drag-and-drop, and all (except free picture) can have customized text and background colors.

- System Text:** Display variables like distance, speed, inclination, pan/tilt angles, pressure and more. Select whether each appears with a caption, and in what unit of measurement.
- Static Text:** Place any text you like, including company or client information.
- Inspection Text:** Insert inspection-specific data (available only when a standard project is open).
- Free Picture:** Insert a logo or other image.
- Free Text:** Determine for how long free text appears. Free text is an easy way to make passing annotations during an inspection—just tap the button to the left of center at the bottom of the home screen.
- General Settings:** Change default text/background colors and transparency, plus other settings.

measurement

A2: Crack Measurement. Once the system performs automatic laser dot detection, simply tap at the end points of the crack to measure its total length.

A3: Cross-section Measurement. Align the virtual pipe to the real one, set the plane of measurement, and trace the object to determine percent blockage.

C3: Flow Level Measurement. Align the virtual pipe to the real one, then adjust the virtual plane to the flow level. The system calculates level as a percentage of total capacity.

D1-4: Inclination. Indicate when to start measuring, when to stop, and your direction of travel. The system calculates pipe grade.

B2: Diameter Measurement. The system automatically rotates the camera's lasers to take measurements in three directions, then calculates pipe diameter.

C2: Bend Measurement. Align the virtual pipe to the real pipe bend to determine bend angle.

WinCan Web

Securely share inspection data, images and video online. An authorized user can view up-to-the minute results on any platform using a common Web browser. No more versioning issues or missing codes; WinCan Web brings data effortlessly to the cloud.

cloud

From the VC500, you can upload inspections directly to WinCan Web, the new cloud platform for sewer inspection data. If you don't have a WinCan Web account, no problem—go to web.wincan.com and start a free trial. Once you're logged in, your VC500 will give you the option to upload inspections to WinCan Web, and to import projects from WinCan Web.

reports

To create a report, simply select a project and the report elements to include. You can save your report as a PDF within the project.

sharing

menus

swipe between menu pages

Projects: All inspection and reporting functions are accessed via projects from the first page of the menus.

Settings: Here you can access (in order) language/date, OSD settings, advanced settings (including Wi-Fi setup) and firmware updates.

Diagnostics: Here you can access (in order) ATEX compliance info, component status and logged events.

Devices: Here you can access various control functions by device (camera, crawler and reel).

inspection

To create inspections and navigate data, just remember: projects hold inspections, and inspections hold observations.

Project: A project is the "bucket" that holds a collection of related inspections. A *standard project* is designed to hold complete inspections. When you create one, you are prompted to select a defect catalog for observations. A *simple project*, by contrast, is merely a container to store inspection videos and photos.

Inspection: An inspection holds all the observations for a section of pipe. It prompts the user for required structure and inspection data.

Observation: When creating an observation, you can select classifications using drop-downs, or tap "quick input" to enter the code directly.

specifications

display	system	environmental
type touchscreen TFT	internal memory 32GB	protection IP55
size 10.1"	video format MPEG4 AVC/H.264	operating temp. 32 to 104°F
resolution 1280x800	image format JPEG or PNG	storage temp. -22 to +158°F
brightness 1280 cd/m ²	interfaces USB 2.0 type A (2)	physical
view angle (h/v) 150°/150°	ethernet via RJ45 (1),	housing plastic (ABS, PC)
	analog video via BNC (1),	dimensions 11.8x10.5x2.8"
	HDMI (1), Wi-Fi(1)	weight 4lb



ENVIROSIGHT



controls for ROVER X

VC500

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