

Underground Infrastructure

***Viewed Rapidly,
Safely & Affordably***

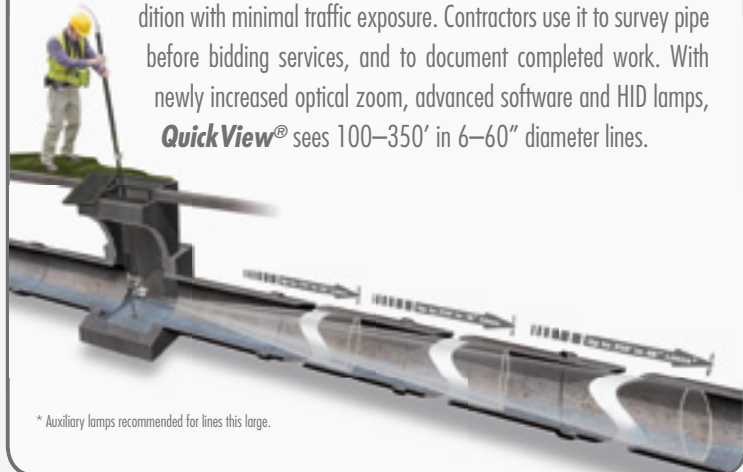


EMOTIONAL TECHNOLOGY



QuickView® - that's quick, affordable and safe

Inspect pipelines, manholes and tanks from street level with the patented **QuickView®** zoom inspection camera. Municipalities use it to identify and prioritize maintenance issues. DOTs use it to assess culvert and storm pipe condition with minimal traffic exposure. Contractors use it to survey pipe before bidding services, and to document completed work. With newly increased optical zoom, advanced software and HID lamps, **QuickView®** sees 100–350' in 6–60" diameter lines.



* Auxiliary lamps recommended for lines this large.

Why QuickView®?

Performance - Camera zooms and illuminates farther, measures distance, and captures crisper sidewall detail.

Productivity - Joystick controls and comfortable utility vest allow rapid, single-user operation.

Ergonomics - Lightweight design, one-handed telescoping and sprung height adjustment streamline use.

Support - **ipek** offers the largest network of support centers across Europe.

Why Zoom?

Safety - Eliminate confined space entry and minimize time spent inspecting in high-traffic areas.

Saving - Zoom surveying is inexpensive, and lets you know where to focus costly crawler, cleaning and rehab resources.

Speed - Pinpoint problem areas and meet regulations system-wide in weeks, not months or years.

Performance made simple

QuickView®'s powerful zoom optics and the new Haloptic™ targeting technology deliver sidewall detail from deep inside pipes. Vest-mounted controls, viewer recorder and 8-hour rechargeable battery allow single-user operation.

- ① Portable, single-user design
- ② Lightweight carbon-fiber pole
- ③ Haloptic™
- ④ 432:1 zoom (36:1 optical)
- ⑤ Spring suspension for stability and fine height adjustment
- ⑥ Graduated standoff for centering in any line size
- ⑦ Head tilts remotely when arm contacts manhole wall
- ⑧ Single-handed pole deployment
- ⑨ Wireless Viewer/Recorder



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TECHNICAL DETAILS

System

Battery recharge interval	8 hr.
Battery type	NiMH
Weight (camera, vest and pole)	15 lb.
Ratings	CE

Basic System Components - Adjustable reflective mesh safety vest with padding to accommodate controls, battery, viewer/recorder and cable • 40' cable with 3-year warranty • Rechargeable battery pack with vehicle charger • Joystick controls • Telescoping pole • 432:1 zoom camera head with focused HID lamps • Hard-shell transport case (17" × 24" × 10") for camera head, vest, controls, cable, battery and charger.

Camera

Imager	color 1/4" EXview HAD CCD
Zoom	432:1 (36:1 optical, 12:1 digital)
Sensitivity	1.4 lux
Focus	auto/manual/macro
Iris	auto/manual
Shutter	auto/manual
Construction	clear-anodized aluminum
Pressurization rating	1 bar

Illumination - Haloptic™

Lamps	dual 14W HID
Lamp rating	1,800 lumens (combined)
Projection	Haloptic™
Color temperature	6900°K

Controls

Zoom/focus joystick • Auto/manual focus select • Lamp switch (dual/single/off) • Battery charge Indicator • Menu/measure button (measurement of target distance, pipe/manhole diameter, manhole depth; language/units setup; measurement calibration; onscreen titling) • Power On/Off

Pole Options

- 30' carbon-fiber pole collapses to 7'1"
- 24' carbon-fiber pole collapses to 6'9"
- 16' carbon-fiber pole collapses to 5'

Options & Accessories

Digital viewer/recorder: view footage on 7" color LCD; capture video and still images to digital media; upload image and video to PC. (Fits in **QuickView®** holster.)

- Auxiliary wide-angle rear viewing camera: views manhole and tank walls.
- Drop-line extension: keep your view centered while inspecting drop lines.
- Pole extensions: extend the length of your **QuickView®** pole 6-18'.
- Wireless video: transmit video from your control vest to a remote monitor or recorder.
- Auxiliary lamps: illuminate pipes 48" in diameter and larger.
- Asset/observation management software: log your findings and generate reports.
- Purge/pressurization kit: maintain dry air environment to prevent condensation.
- Heavy-duty shipping/storage case: protect pole and standoff from damage.

Haloptic™

Patent-pending Haloptic technology uses an engineered lamp/reflector combo to project a halo of light precisely aligned with the camera view. This concentrated beam floods pipe walls with light, and illuminates distant targets for maximum clarity and detail.





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