



Perfect Alignment, Extreme Range and Precision Focus



**EMOTIONAL TECHNOLOGY**

# **quickview**® Change How You See Pipe Infrastructure

In addition to the broad range of pipe inspection equipment produced by iPEK we herewith introduce a “zooming camera system” for a “quick view” inside the pipe from the manhole – the QuickView® from Envirosight – our pipe inspection partner from the U.S.A.

Zoom pipe inspection began 15 years ago with QuickView®, and Envirosight has just reinvented the concept with a revolutionary new QuickView® model that outperforms anything on the market. At the core of this new design is patent-pending Haloptic™ technology, a targeting method we’ve devised that doubles inspection range, delivers up to 20 times more illumination, and eliminates the need for incremental realignment.

However, Haloptic™ isn’t the only improvement – the new system also includes a 16 GB pole-mounted viewer/recorder, an auxiliary manhole camera, and a rugged, waterproof roller case.

Trusted by more than 2000 users worldwide, the patented QuickView® zoom inspection camera evaluates pipelines, manholes and tanks from street level. Contractors use it to survey pipe condition before bidding services, and to document completed work. Municipalities use it to identify and prioritize maintenance issues, avoid confined-space entry, and inspect hard-to-reach infrastructure. Departments of transportation use it to assess culvert and storm pipe condition with minimal exposure to traffic.



distance viewing



common problems found



sidewall & far illumination



wide view in manholes

# TWO OPTIONS



## Haloptic™ and Standard

QuickView® comes in two models: the powerful QuickView® Haloptic™ with advanced patented light engine for maximum range, clarity and productivity; and QuickView® Standard, which delivers zooming benefits for smaller budgets.

QuickView® Haloptic™	QuickView® Standard	
✓	✓	wireless digital viewer/recorder
✓	✓	collapsible carbon fiber pole
✓	✓	adjustable view centering
✓	✓	safety vest w/ joystick controls
integral	add-on	manhole-viewing option
400 lux @ 60,96 m	20 lux @ 60,96 m	illumination intensity
axially aligned	offset	illumination type
single 12,7 cm columnar	twin 3,81 cm diverging	reflector
up to 121,92 m	up to 76,20 m	view range

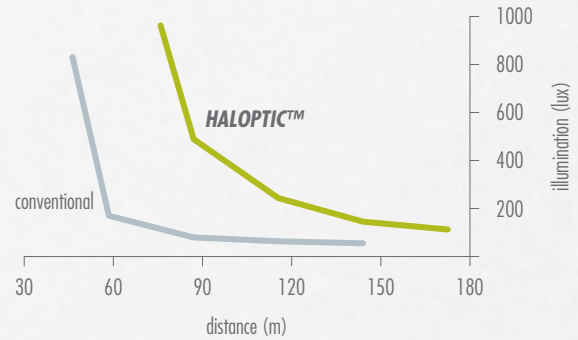
# HALOPTIC™

## Haloptic™ – Patent-pending technology powering the next-generation QuickView® zoom survey camera.

Illumination has always been the limiting factor for zoom inspection performance. While today's cameras have the optical zoom to resolve detail hundreds of feet away, camera size combined with the confined space of a pipe leaves little room for illumination. Typically, zoom cameras use offset lamps whose target zone coincides with camera view only at a specific distance range. As a result, optimal viewing over the full length of a pipe requires continuous adjustment, and overall inspection range suffers. Patent-pending Haloptic™ illumination technology overcomes these constraints. By projecting a halo-shaped column of light that encircles the camera and conforms to the contour of pipe walls, the new Haloptic™-based QuickView® sees farther, requires no midstream readjustment, and delivers vivid, colorful video with markedly decreased gain, noise and distortion.

## Extreme Range

Haloptic™ technology lets you see farther by flooding targets with up to 20 times more light. A precise pairing of lamp and reflector maximizes lumen output and density, effectively doubling your inspection range. This efficient lighting also reduces power consumption to extend battery life.

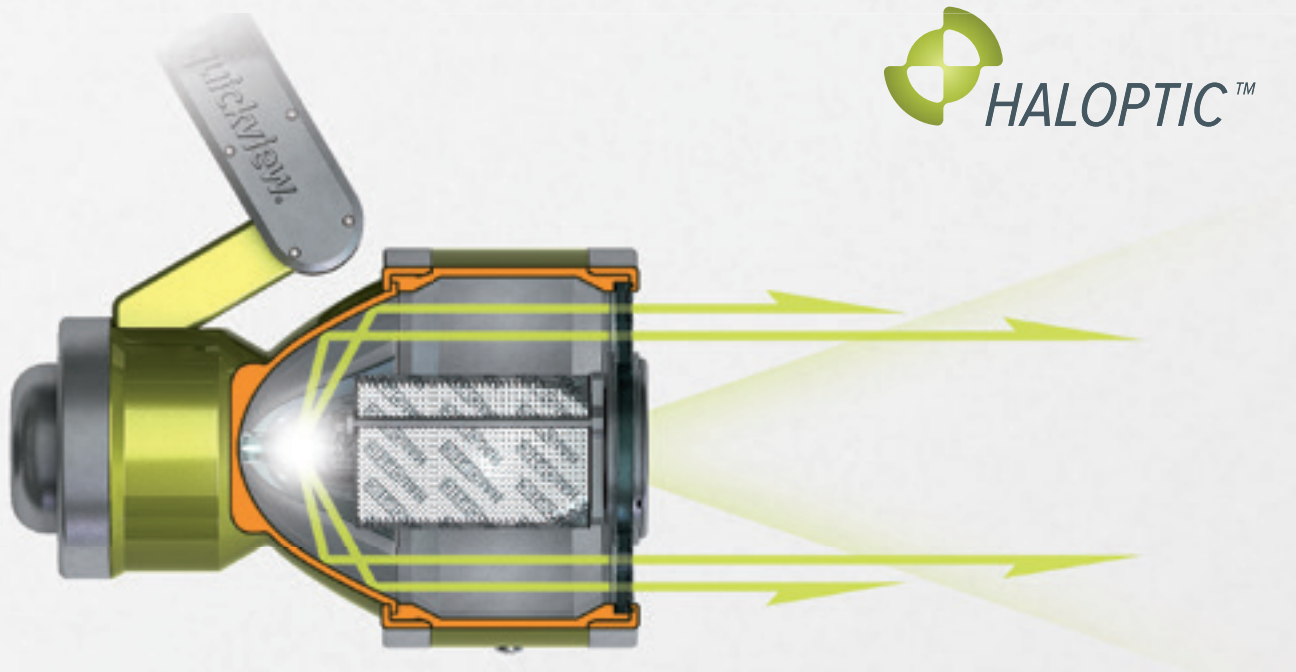


## Perfect Alignment

Haloptic™ technology casts illumination that's centered within the camera view. No matter what you're inspecting, rest assured that what you see is receiving optimal illumination. No more tweaking camera angle to finetune your view—just point the camera at a target and the illumination follows.

## Precision Focus

Haloptic™ technology concentrates light where it's needed most. A haloshaped column projected from behind the camera delivers high-intensity light to your subject while bathing pipe walls in bright, even illumination. Precision targeting ensures no light is wasted, and that nothing hides in the shadows.



# COMPONENTS



## Manhole viewing

Auxiliary wide-angle rear camera views manhole and tank walls.



## Controls

Positioned in a lightweight operator vest that also holds the system's 8-hour rechargeable battery, QuickView®'s control box grants fingertip access to zoom, focus, auto-focus and illumination functions, leaving your otherhand free to position the QuickView® pole.



## Wireless viewer/ recorder

Pole-mounted wireless viewer/recorder stores up to 32 GB of video and images.

## Complete kit

Transport camera and viewer/recorder in a self-contained, rugged kit.



# SYSTEM INFORMATION

## upLink – Digital Viewing and Recording

Envirosight's upLink line of digital video display/recorder solutions make it easy and affordable to document inspections.

upLink Micro – Clamping to your QuickView®'s pole, the upLink Micro displays and records up to 32 GB (24 hr) of real-time video and images to a Micro SD card. The 9,14 cm monitor's wide viewing angle and tilt-mount make it easy to see footage, even when the QuickView® is deeply extended or used overhead. Alternately, the monitor undocks for wireless viewing.



## Manhole Inspection

QuickView®'s wide-angle auxiliary camera accessory integrates with the camera head or attaches directly to the pole, allowing single-pass inspection of manholes, catch basins, vessels and other confined spaces. Diffuse, shadowless illumination provides a crisp view of near surfaces.

## Optional Accessories

Integral pipe and manhole measurement  
• DiaMetrik pipe and manhole measurement accessory  
• Drop-line extension for centering view while inspecting drop lines  
• Extensions to increase pole length 15,24–45,72 cm  
• WinCan observation and asset management software  
• Purge/pressurization kit to prevent condensation  
• Rear-view camera  
• UpLink Handheld

## Kit Components

Camera head • Telescoping carbon fiber pole with standoff • Operator safety vest • Joystick controls • Battery pack • Battery charger • Two wireless pole-mount viewer/recorders • 12,19 m camera cable • Hard-shell wheeled case with telescoping handle • Tools/spares/manual.



# IPEK & ENVIROSIGHT



## A long standing partnership

For 20 years, iPEK and Envirosight personnel have teamed up to bring innovative video pipe inspection technology to world markets. This year marks a special milestone: Envirosight introduces iPEK's ground-breaking ROVION inspection crawler to North and South American markets, and iPEK debuts Envirosight's revolutionary QuickView® Haloptic™ throughout Europe. With technical expertise and extensive sales and support channels on both sides of the Atlantic and beyond, this long standing partnership is poised to lead the global pipe inspection market.



## SYSTEM INFORMATION

### Technical details

System     Video format ..... NTSC or PAL  
              Battery ..... 8-hr. NiMH  
              Ratings .....    
              Kit size/weight ..... 63,5 x 50,8 x 30,48 cm / 17,7 lb

Pole Options 9,14 m carbon-fiber pole collapses to 2,29 m  
              7,32 m carbon-fiber pole collapses to 2,24 m  
              4,88 m carbon-fiber pole collapses to 1,47 m



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