INSPECT⊡R® ZRK 70 *Easybox*

The *Inspector® ZRK 70* is a multifunctional camera; endlessly rotatable and swerveable. The ZRK 70 is thus ultimately suitable for the inspection of inlets and walls of drains and pipelines. The working range is from 110 mm to at least 500 mm!!!

Operation and functionality

Through its carefully chosen and tested shape, the ZRK 70 is simple to feed into and through a pipeline. The self-levelling function ensures that the image always remains 'upright'. The head can rotate endlessly and swivel through 230 degrees, so that a pipeline can be fully inspected. The 'socket test' directs the camera perpendicular to the wall so that the pipe connections can be checked simply. By adjusting the focus exactly you get the images pin-sharp. Above ground, the camera head may be traced using the built-in 512 Hz transmitter. Various guides are available for larger pipes. Using a special tool (optional), it is possible to 'steer' the camera head into a side branch. The laser function makes it possible to determine the pipe diameter and deformation. Additional software is optional.

The ZRK 70 may also be used vertically or on a motorised trolley.

Check the demo movie:
www.camtronics.nl/
download/zrk70.wmv

FUNCTIONALITY >

Inspector® ZRK 70
+115°
360°
-115°
Ideal for the complete inspection of inlets and walls of pipes

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Reel
·combi-cable
·length 60 m
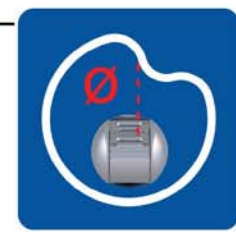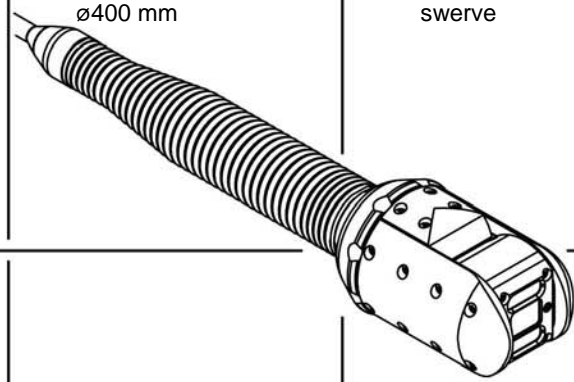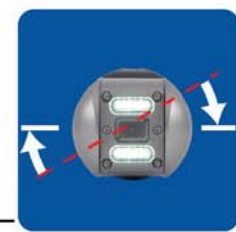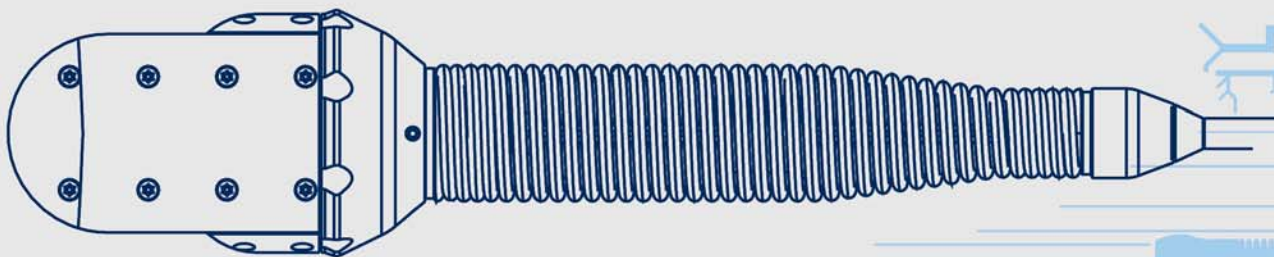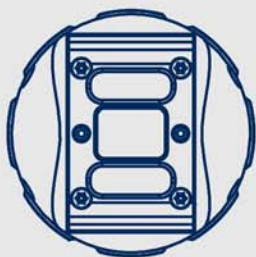·transportable
·guide holder
·storage tray

98322058

Remote Control
·control of all functions
·compact and robust

98324916

Easybox DVR
·text entry
·10.4" LCD display
·DVR recorder USB
·USB interface laptop

98325930

< INSPECTION SYSTEM

90 degree bends from ø110 mm

Guides for inspections to a minimum of ø400 mm

Endless rotation with socket test / 230° swerve

Auto levelling (horizon correction)

Usable on motorized trucks / vertical pipelines

Manual focus

Integrated transmitter (512 Hz)

12 super bright LEDs distribute the light optimally to prevent 'hot spots'

Tool for inspecting branches

Diameter determination by laser

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INSPECT⦿R® ZRK 70 *Easybox*

Accessories

Steering Unit
To steer the camera head in a branch

Guide 100
for pipes from 125 mm

Guide 170
for pipes from 200 mm

Guide 170 Sledge
for pipes from 200 mm

Motorized truck
can also be mounted on an Inspector® motorized truck

SPECIFICATIONS >

Inspector® ZRK 70

material	stainl steel, alumin. anodized
diameter (external)	72 mm
length	122 mm
color CCD camera	450 TV lines
objective	f2,5 2,0
viewing angle	(hxv) 84˚ x 62˚
focus	manual adjustable
glass	(hardened) 3 mm
lighting	12 super bright white LEDs, opt. position
laser	optional, 1 component
light sensitivity	1 Lux
waterproof	maximum 3 bar
rotation	endless
swerve	230˚
weight	855 gram
transmitter	512 Hz
temperature (usage)	-10 - 45 ˚C
temperature (storage)	-10 - 60 ˚C

Reel

dimensions	70x30x80 cm
material	metal galv., aluminium
weight	14 kg (60 m cable)
brake	ajustable
holder	for guides/remote control
cable	combicable glasfiber/electric
diameter of combi-cable	9 mm
cable length	60 m
meter counter on screen	prepared
cable monitorbox	3 m with connector
cable remote control	3 m with connector
wheels	125 mm

Easybox DVR

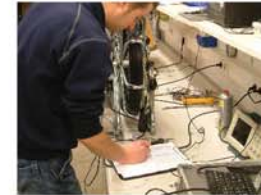|	
dimensions	52x38x22 cm
monitor	10,4" TFT LCD
monitor viewing angle	mechanical adjustable
light control	electronic
power in (mains)	230V AC ground conn.
video in/out	BNC
meter counter on screen	included
textgenerator with small PC keyboard	included
DVR with remote control	included
USB interface, digitize images with software	included
user interface	remote control and OSD
languages	EN, DE, NL, ES, FR, IT
recording functions	record (pause), OTR
video format	.MPG (MPEG codec)
frame rate	25 fps (PAL)
recording USB stick (max)	16 Gb
memory recording	approx. 30 min/Gb
capacity	approx. 4 Mbps
video bit rate	720x576 pixels (D1)
recording resolution	0 - 45 ˚C
temperature (usage)	0 - 50 ˚C
temperature (storage)	10,5 kg
weight	

Inspector® development philosophy
Inspector® systems are developed to reflect the end user's requirements. During development, continuous improvement of ease of use and functionality is aimed at. In this, productivity of use is key. Durability is essential and is also tested in our test centre. The necessary wear components are easily replaceable by you or by our service centre.

Service
A camera system is used in severe circumstances. Service and maintenance is thus essential. Our own service centre in Son (near Eindhoven, the Netherlands) can assist you in this. Repair time is thus minimal and you are informed in advance about the costs. If desired, loan/ hire systems are available.

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Inspector® systems are a Camtronics BV product. Customer-specific modifications are therefore possible!

CamTronics
FOCUSED ON CAMERA SOLUTIONS

www.camtronics.nl