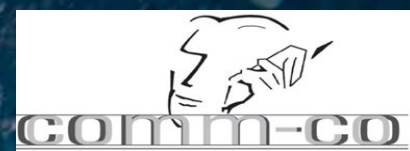


# DTR65HR-EX

## Explosion Proof Colour TV Camera with Swivelling Head



### Features

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- Extremely Compact
- Swivelling Head
- Integral High Luminosity LEDs
- Twin Laser Beams for DIMFIS Dimensioning
- Provides Info on Viewing Head Rotation Angle



### Description

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This explosion proof, colour TV camera is certified under ATEX directive 94/9/EC and is the most compact of its kind, with an OD of only 74mm.

It incorporates internal lights mounted on the swivelling viewing head, as well as two laser beams, which with help of the DIMFIS software, permit the dimensioning of cracks or other flaws observed by the TV camera

It also features an integrated electronic device, which provides information on the viewing head rotation angle, whatever the position of the camera inside the pipe.

The camera can be installed on an Ex (EEx d IIC T3) electronic tractor VSCE200 EX, equipped with Ex (EEx d IIC T3) external lights VSE45 EX (refer to GISYS EX data sheet).

It can also be mounted on a 150 metres motorised semi-rigid cable, for purpose of introduction and propulsion inside the pipe.

Aimed at the internal inspection of pipe within hazardous environments, this camera is used in the following applications:

- Transportation and distribution of gases or vapours
- Refineries and petrochemical plants
- Hydrocarbon storage areas
- Offshore oil platforms

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**[www.webpainter.nl](http://www.webpainter.nl)**  
**[www.eyecctv.nl](http://www.eyecctv.nl)**

## ELECTRONIC

Image Sensor: 1/3" CCD  
 Resolution: 450 TV lines  
 Colour Standard: PAL – NTSC  
 S/N ratio: 50dB  
 Sensitivity: 0.1 lux at F1.2  
 Electronic shutter: Automatic

## OPTICAL

Lens: 3.8mm / F2.0  
 Angles of view: 67° (Horizontal) / 53° (Vertical)  
 Focus: Remote control  
 Viewing Head Movements: Tilt:±110° (speed 10o/sec), rotation: 360° (speed 25°/sec)

## ELECTRICAL

Camera:  
 - Voltage: 16 to 17 Vdc  
 - Power Consumption: 10W  
 Integrated Light: 18 high luminosity white LEDs (50 000 hours lifetime)

## MECHANICAL

Main housing OD: 65mm  
 Head OD: 74mm  
 Length: 231mm (w/o stuffing gland)  
 Weight: 2.3kg in air  
 Operating Temperature: See Chart  
 Cable Connection: Ex certified gland (IP6X) or Ex certified connector  
 Construction: Stainless steel housing  
 Hemispherical Dome: 953A Polycarbonate  
 Water Tightness: IP68, immersion in 100m

## EXPLOSION PROOF CERTIFICATION

Camera with Explosion proof casing, Ex certified by INERIS according to Cenelec standard (ATEX 94/9/EC)

CABLE GLAND Version	GISMA CONNECTOR Version
INERIS 05 ATEX 0076X Ⓔ II 2 GD EEx d IIC T5 IP6X T100°C T° range: -10°C / +50°C	INERIS 05 ATEX 0076X Ⓔ II 2 G EEx d IIB T5 T° range: -10°C / +40°C