

Dekra  
VT XLRAD PT  
Inspection Camera



High radiation resistant camera  
with built-in lighting and pan/tilt  
capability

**Spectis**<sup>!</sup>  
Robotics

Fuel assembly inspection and repairs

Reactor pressure vessels and internals

Core inspection and handling fuel element shipping container

Remotely operated manipulators

Monitoring refuelling processes

Highly radiation-resistant

High-resolution camera for detailed shots

3x non-browning zoom lens

80 watts LED or 140 watts halogen lights

Pressure watertight housing

## Specification

- > Image Sensor 2/3" Vidicon tube
- > Video out: B/W composite
- > Resolution 600 lines (hor.)
- > Optics system Motorised 3 x zoom (8-24 mm) non-browning or
- > Lens  $f = 9$  mm non-browning
- > Focus Motorised focus
- > Lighting 4 x 20 watts LED or 4 x 35 watts halogen with 100° reflector
- > Pan range 360° continuous with position feedback encoder
- > Tilt range 220° with position feedback encoder
- > Feedback encoder On-screen values of pan range and tilt range
- > Drive DC motor with sliding clutch
- > Dimensions L x W x H 310 x 135 x 115 mm
- > Weight 5.15 kg
- > Temperature 0 - 50°
- > Depth rating: 5 bar/50m
- > Radiation resistance 1 x 10<sup>5</sup> rad/h - total dose rate 5 x 10<sup>7</sup> rad with standard tube
- > 1 x 10<sup>5</sup> rad/h - total dose rate 1 x 10<sup>8</sup> rad with modified tube

## Options and Upgrades

### Text generator

With integrated position data  
OSD for internal and external sensors

### Mokab VT 72 MKT

Motorised cable reel with infinitely adjustable unspooling speed and brake function

### Poles

Carbon poles D = 29 mm with high grade stainless steel couplings

### Control Unit VT 300

Power supply: 220 V or 110 V (AC)

Dimensions: 19"/3 SHUs in case

Electronics: All probe functions

Connectors: Power / remote control

Camera / video out  
External sensors

Weight: 16.50 kg

### Cable reel VT 72 SKT

Length: 50 m standard

Diameter: 9.7 mm

Material: PU jacket with Kevlar  
Strain relief

Connector: MIL spec with high grade stainless steel shell

Reel: Metal frame with reel rings



Images shown may not be an exact representation of the features listed.

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World-leading  
Robotic Crawlers and  
Camera Systems