



VT XLRAD PT inspection camera

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

Applications/Features

Applications

- Fuel assembly inspection
- Fuel assembly repairs
- Reactor pressure vessels and internals
- Core inspection and handling fuel element shipping container
- Remotely operated manipulators
- Monitoring refueling processes

Features

- Highly radiation-resistant
- High-resolution camera technology for detailed, accurate shots
- User-friendly
- 3x nonbrowning zoom lense
- 80 watts LED or 140 watts halogen lights
- Pressure watertight housing



Technical data

Camera head

Image Sensor	2/3" Vidicon tube
Video out	FBAS b/w
Resolution	460 lines (hor.)
Optics system	Motorized 3 x zoom (8-24 mm) nonbrowning or Lens f = 9 mm nonbrowning
Focus	Servo-controlled
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°
Pressure watertight	5 bar
Radiation resistance	2.5 x 10 ⁶ rad/h (25 kGy/h) total dose rate 2.5 x 10 ⁸ (2500 kGy)

Accessories

Text generator	with integrated position data OSD for internal and external sensors
Mokab VT 72 MKT	Motorized cable reel with infinitely adjustable unspooling speed and brake function
Poles	Carbon poles D = 29 mm with high grade stainless steel couplings
Recording device	Various manufacturers
Monitor	Various manufacturers

Control unit VT 300

Power supply	220 V or 110 V (AC)
Dimensions	19"/3 SHUs in case
Elektronics	All probe functions
Connectors	Power / remote control Camera / video out External sensors
Weight	16.50 kg

Cable reel VT 72 SKT

Lenght	50 m standard
Diameter	9.7 mm
Material	PU jacket with Kevlar Strain relief
Connector	MIL with high grade stainless steel shell
Reel	Metal frame with reel rings