# framatome

## **Camera LVT 140 TPT**

## High Radiation Pan/Tilt Camera

### Challenge

Performance of visual inspections or surveillance are required by plant pre-service and in-service inspection or maintenance programs. Limited space with low light situation up to complete darkness as well as very high dose demand for dedicated camera technologies.

#### Solution

Framatome developed a waterproof and highly radiation resistant zoom camera with integrated pan/tilt. Excellent illumination of the inspection area allows precise detection and characterization of indications. The camera is easy to handle and can be used "stand alone", with manipulators or equipped to our submarine system SUSI-Gen3.

The modular concept also contains our full HD camera LVT 140 CPT.

### **Technical information**

Dimensions 280 mm (11.0") length

160 mm (6.3") width 120 mm (4.7") height

Weight 2.6 kg (5.7 lbs) in air 0.6 kg (1,3 lbs) in water

Housing material anodized aluminum, stainless steel

Waterproof up to 5 bar (72.5 psi) 60°C (140°F) Maximum operating temp.

Radiation tolerance 200 kGy (200 Mrad) total dose

Tilt movement angle 280°

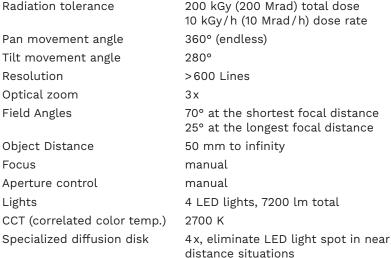
Resolution

Field Angles

Focus Aperture control

Lights

CCT (correlated color temp.)





## Customer benefits

- · Waterproof camera which can be used in high radiation areas with up to 10 kGy/h dose rate for visual inspections or surveillance
- · Excellent illumination level without typical LED light spots in near distance situations
- Simple connection to poles or supports
- Weight under water only 0,6 kg for easy handling

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