

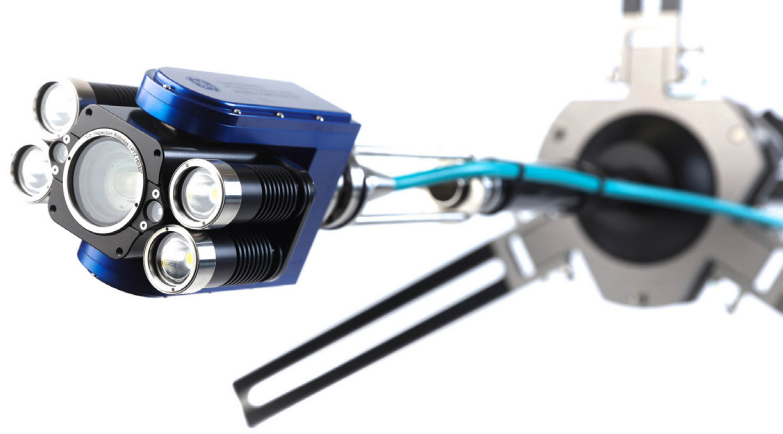


PTZ HD 30

Advanced Pan Tilt Zoom
Inspection Camera

PTZ HD30

Visual is by far the most frequently performed industrial inspection method. The PTZ HD30 is a powerful, industrial grade camera designed for remote visual inspections. The camera is equipped with a 30x optical zoom, which provides sharp, clear images even at long distances. The image quality is full HD, and comes with noise reduction and de-fog features. The LED illumination is superior to any other inspection camera on the market.



Full HD

The camera module delivers crystal clear images in full HD resolution. This gives provides much greater detail compared to conventional inspection cameras. The 30x optical zoom allows for detailed close-up inspection even at long distances.



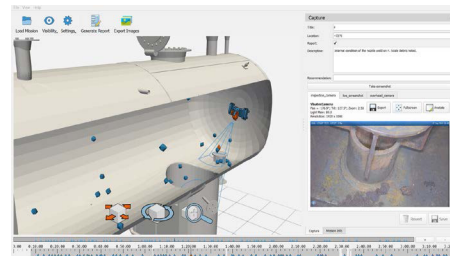
LED lights

System lighting is critical factor in capturing a quality image, and is especially important in confined spaces. 4 Integrated LEDs with a total of 80W of power will effectively illuminate far off targets in dark areas.



Digital

The camera head is operated as standalone unit from the Integrated Control Station. The integration onto a robotic crawler – FAST RVI – can be done within minutes. The camera system is ready for 3D LOC.



Technical specifications

PTZ HD30



Image sensor	Full HD / 2.38 Megapixels
Zoom	30x optical / 12x digital
Field of view	63.1° wide end - 2.3° tele end
Pan / Tilt	Infinite / 220°
Illumination	4 x 20W LED
Dimensions	246mm x 117mm x 113mm 9.7" x 4.6" x 4.5"
Min diameter deployment	128mm 5.04"
Weight	3kg / 6.6lbs
Operating temperature	0°C ... 60°C 32°F ... 140°F
Radiation	1500 rad/h / 25000 rad total
Watertight	50m / 5bar
Cable options	10m / 30m / 75m 33ft / 100ft / 246ft
Laser	Integrated parallel laser lines for sizing

FAST RVI HD inspection robot



Dimensions	Length 250mm (9.9") Width 490mm (19.3") Height 160mm (6.3")
Weight	9.3kg (20.5lb)
Speed	-40mm/s ... 40mm/s (-2.4"/s ... 2.4"/s)
Payload	15kg (33lb)
Power supply	48V DC from Control Station
Comm.	GBit Ethernet
Min diameter deployment	490mm 16"
Cable options	Control Station to Manway box 10m (33ft) / 30m (100ft) Manway Box to robot 10m (33ft) / 30m (100ft)

ICS II Control Station



Computer	Industrial rugged Intel i7-6600U, 8GB RAM, 128GB mSATA, 2xUSB 2, 2xUSB 3.0, Encoder Out
Housing	Pelicans® fan-less, IP67 (closed) on rollers
Screen	21.5" touchscreen monitor (Full HD, 1200cd/sqm Ultra High Brightness, Rugged industrial, glove friendly)
Weight	21kg (46lbs)

Interface box Manway box
Connects ICS II to FAST RVI HD and/or PTZ30 HD

