



I.I.S.

Hi-RAD S



UNDERWATER PTZ SD/HD CAMERA

HI-RAD S is a 720p HD color camera developed from its popular predecessor MRAD S. It features a High Definition camera module, has x10 optical zoom and built-in pan- and tilt- functions. HI-RAD S HD is used for inspections where superior color rendition and High Definition resolution is needed.

APPLICATIONS

- For inspections where superior color rendition and High Definition resolution is needed, e.g. fuel inspections and inspection of internal parts
- Ideal for inspecting large surfaces where frequent auto re-focusing is required, e.g. at core mapping

BENEFITS

- Auto-focus and auto-iris
- Superior color rendition and High Definition image
- Lens converters are available to further improve its close-range focusing excellence
- Halogen or LED lighting
- Also available in SD video version

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TECHNICAL DATA

Width	162 mm (6,37")
Length	395 mm (15.55")
Weight in air	4.4 kg (9.70 lbs)
Housing material	Stainless steel EN 1.4301/EN
Maximum temperature	50°C (short-term up to 70°C) 122°F (short-term up to 158°F)
Watertight to	Min 3,5 bar (50 psi)
Zoom	x120 (x10 optical, x12 digital)
SD horizontal angle of view	~5°-36°
HD horizontal angle of view	~5°-50°
Minimum distance to object	5 mm (0,20")
Resolution SD version	720 TV-lines
Resolution HD version	720x1280 progressive scan
Lights	2x35W halogen or 2x10W LED, external lights
Radiation tolerance (dose rate)	up to 1 x 10 ² Gy/h (1 x 10 ⁴ rad/h)
Radiation tolerance (total dose)	up to 1,5 x 10 ³ Gy (1,5 x 10 ⁵ rad)
Pan angle	360° (endless rotation)
Tilt angle	±142° (from the vertical plane)