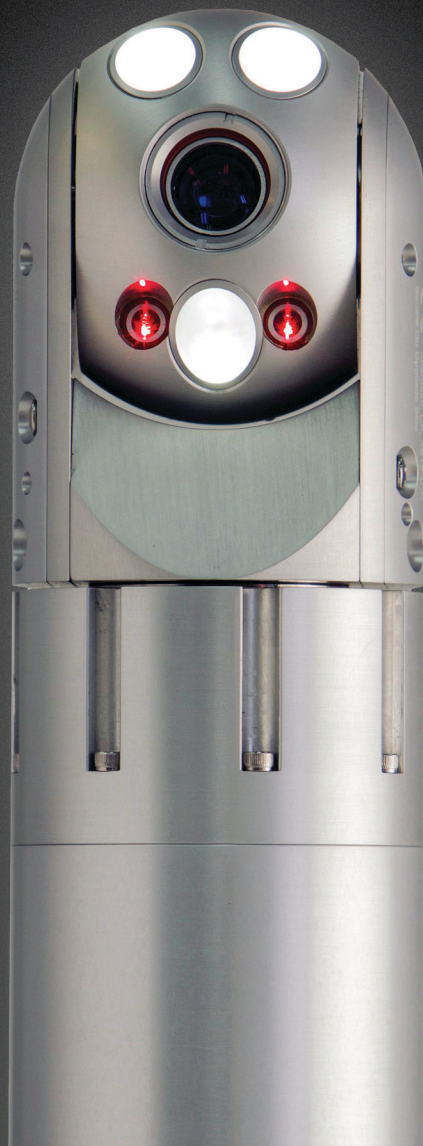


# INUKTUN SPECTRUM 90

*OnSite* Standard Product





## PAN-TILT-ZOOM AGILITY. INDUSTRIAL STRENGTH.

Eddyfi Technologies' Inuktun Spectrum 90™ is one of our most popular cameras. It provides amphibious pan, tilt and zoom (PTZ) functionality in a remarkably small package.

### Industries & Applications

- Mining
- Municipal (Sewer/Water)
- Nuclear
- Oil & Gas (Onshore/Offshore)
- Petrochemical

"We were recently reviewing some in-pipe videos on a municipal system, and the municipality commented that the footage was the best quality video they have ever seen."

— B. Cameron, Founder of Dougness Holdings

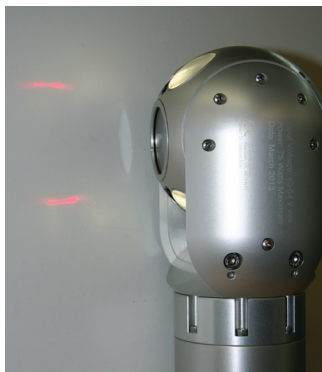
### The potential applications are almost limitless.

Eddyfi Technologies' Inuktun Spectrum 90™ is one of our most popular cameras. It provides amphibious pan, tilt and zoom (PTZ) functionality in a remarkably small package. Incorporating a range of options and extended capabilities, the Spectrum 90 is ideal for the remote visual inspection of subsea structures, nuclear power installations, pressure vessels, storage tanks, pipelines, or any industrial structure that precludes manned entry. And, because of its unique spherical head design, all of the functions can be utilized without ever changing the working envelope of the camera – meaning it won't get stuck, even in the tightest spaces.

Available as an OEM product for integration into third party designs, a full turn-key inspection package or as part of a complete crawler system, the standard Spectrum 90 camera includes variable intensity LED lighting, optical and digital zoom, automatic or manual focus, exposure control, inclinometer, and accurate position feedback. With available options including embedded parallel laser lines, stainless steel construction, anode kit for cathodic protection, and deep-water certification, the potential applications are almost limitless.



**Pin-lock Pole:**  
Aluminum pin-lock pole system is designed for ad-hoc or scheduled inspections. Ideal for fuel pools, storage tanks, wells, caissons or almost any hard to reach location, these poles are lightweight and extremely durable. And, because they are modular in design, you can simply add more poles to get to the length you need!



**Optional parallel laser lines for on-screen size estimation**  
1.5mW, 635nm, class 2, 30mm separation  
Inuktun Spectrum I20HD™ shown.



# SPECIFICATIONS

## KEY SPECIFICATIONS

Diameter	90 mm (3.5 in)
Length	60 m: 273 mm (10.8 in) 300 m: 298 mm (11.7 in)
Weight	2.8 kg (6 lb) (aluminum)
Material	Aluminum <b>Optional:</b> 316 stainless steel
Depth Rating	60 m (200 ft) <b>Optional:</b> 300 m (1,000 ft)
Maximum Tether Length	500 m (1,650 ft)
Operating Temperature	0 °-50 °C (32 °-122 °F)*
Minimum Illumination	0.5 lux
Resolution	720 HTV lines
Focus	Auto or manual
Iris	Auto or manual

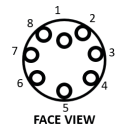
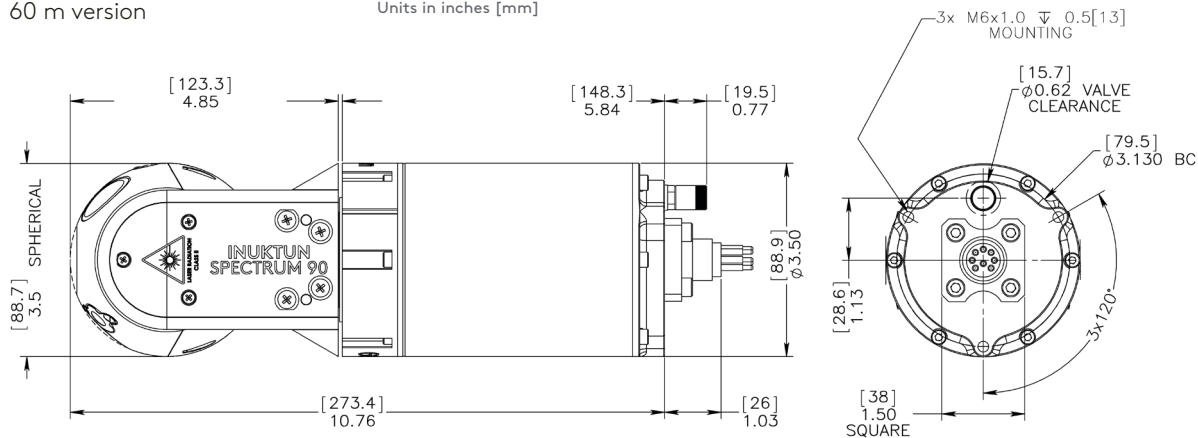
Lights	3 × High intensity variable LEDs
Controls	360° continuous pan, 260° tilt, zoom, focus, lights, lasers, exposure level
Variable Pan Speed	0–26°/sec
Variable Tilt Speed	0–7°/sec
Zoom	120x (10x optical, 12x digital)
HFOV	54° in air
Format	PAL or NTSC
Input Voltage	36–70 VDC
Lens	5.1 mm (wide) to 51 mm (tele)
Depth of Field	10 mm (0.4 in) to infinity

\*Dependent on operating conditions. Ask your sales expert for more information.



60 m version

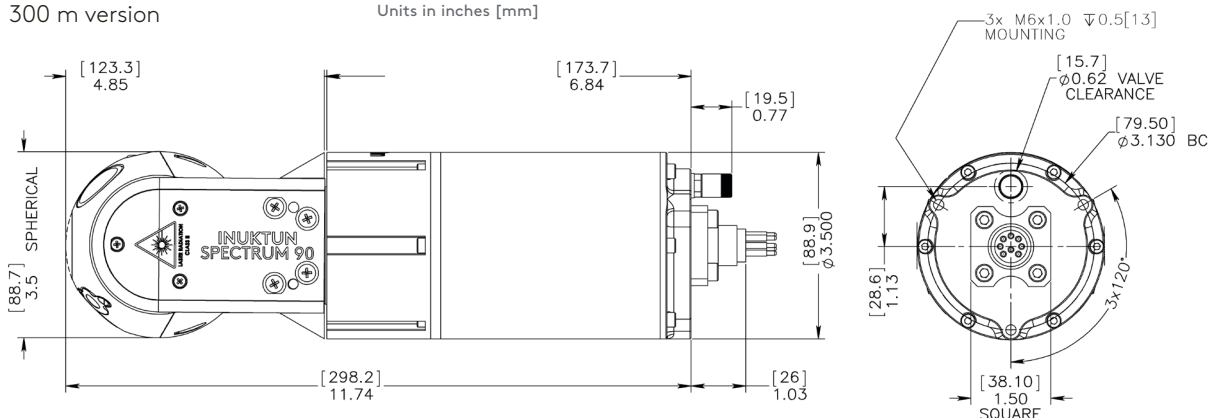
Units in inches [mm]



	CN1
GND	1
VIN	2
RS485A	3
RS485B	4
SpareA	5
SpareB	6
Video(+)	7
Video(-)	8

300 m version

Units in inches [mm]



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