

# INUKTUN SPECTRUM 120HD

*OnSite* Standard Product



# HIGH DEFINITION. PAN-TILT-ZOOM PRECISION.

When your inspection requirements mandate the best possible picture quality, Eddyfi Technologies' Inuktun Spectrum 120HD™ delivers true high definition video.

## Industries & Applications

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

"We find that the quality and reliability of the SP120HD by far surpasses any other camera system we have owned or used in the past. Now that we own and operate our ROV with the SP120HD, it is very difficult for us to ever consider going back to a non-HD camera."

— Piero Salvo, President, GAME Trenchless Consultants

## Perfect for detailed remote visual inspection

When your inspection requirements mandate the best possible picture quality, Eddyfi Technologies' Inuktun Spectrum 120HD™ pan, tilt and zoom camera delivers true High Definition (HD) video with advanced imaging options including defog, stabilization and color enhancement. Designed with a wide range of industry requirements in mind, this camera incorporates proprietary Inuktun technology in order to transmit HD video signals reliably over copper conductors up to 300 metres long.

And, with available options that include 30x zoom capability, built-in laser lines, deep water pressure ratings, spot or flood LED lights, anode kit for cathodic protection, interlocking deployment poles, and extended distance with fiber optic cables, the Spectrum 120HD is unmatched in almost every application. When utilized as a standalone tool or part of a remote crawler system, the Spectrum 120HD is perfect for detailed remote visual inspection of storage tanks, pressure vessels, mine shafts, nuclear power installations, pipelines, or any industrial structure with limited or unsafe access.



**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! Inuktun Spectrum 90™ shown.



**Optional parallel laser lines for on-screen size estimation**  
1.5mW, 635nm, class 2, 77mm separation



# SPECIFICATIONS

## KEY SPECIFICATIONS

<b>Diameter</b>	Head: 120 mm (4.6 in) Body: 90 mm (3.5 in)
<b>Length</b>	60 m: 332 mm (13.1 in) 300m: 357 mm (14 in)
<b>Weight</b>	3.4 kg (7.5 lb) (aluminum)
<b>Material</b>	Aluminum <b>Optional:</b> 316 stainless steel
<b>Depth Rating</b>	60 m (200 ft) <b>Optional:</b> 300 m (1,000 ft)
<b>Maximum Tether Length</b>	300 m (1,000 ft); long range fibre optic option
<b>Operating Temperature</b>	0 °-50 °C (32 °-122 °F)*
<b>Minimum Illumination</b>	1.4 lux
<b>Resolution</b>	1920 × 1080
<b>Focus</b>	Auto and manual (remote)
<b>Iris</b>	Auto or manual (remote)

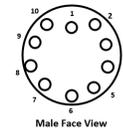
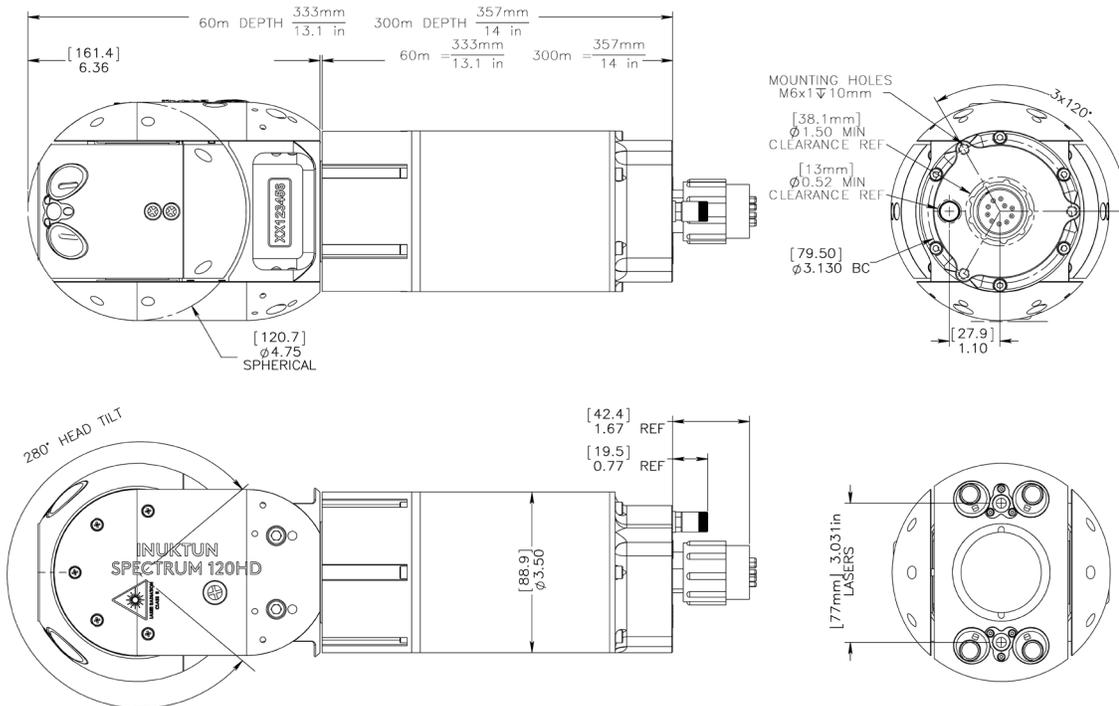
<b>Lights</b>	4 × High intensity LEDs
<b>Controls</b>	360° continuous pan, 280° tilt, zoom, focus, lights, lasers, exposure level
<b>Variable Pan Speed</b>	0–26° per second
<b>Variable Tilt Speed</b>	0–9° per second
<b>Zoom</b>	120x (10x optical, 12x digital) <b>Optional:</b> 360x (30x optical, 12x digital)
<b>HFOV</b>	67° in air (for 120x zoom)
<b>Format</b>	1080p30
<b>Input Voltage</b>	36–70 VDC
<b>Lens</b>	120x: 3.8 mm (wide) to 38 mm (tele) 360x: 4.3 mm to 129 mm
<b>Depth of Field</b>	10 mm (0.4 in) to infinity

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



## Inuktun Spectrum 120HD™ Standard Dimensions

Units in inches [mm]



	CN1
GND	1
VIN	2
RS485A	3
RS485B	4
Pbout+	5
Pbout-	6
Yout+	7
Yout-	8
Prout+	9
Prout-	10

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