INUKTUN SPECTRUM 45

OnSite Standard Product

Eddyfi Technologies

GO ANYWHERE. SEE EVERYTHING.

Eddyfi Technologies' Inuktun Spectrum 45™ camera offers precise pan and tilt capability in an extremely robust, compact and waterproof package.

Industries & Applications

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

"The SP45 addresses the market's shortfall in size, with combined pan and tilt functionality. For entry size, image quality and even subsea applications, this 45mm diameter is the solution... Ticks the box in every respect."

— J. De Silveria, Director, Nexxis

The smallest camera in its class.
Easy to deploy and operate.

Eddyfi Technologies' Inuktun Spectrum 45™ camera offers precise pan and tilt capability in an extremely compact waterproof package. Easy to deploy and operate, the system incorporates controls for remote focus and built-in LED lighting allowing maximum visibility in low light conditions and confined spaces. And, with long cable deployment options and the ability to function effectively in air or underwater, it can be used almost anywhere.

The smallest camera in its class available on the market, the Spectrum 45 is available as a stand-alone system for visual examination inside of caissons, wells, and pressure vessels. When integrated with the Inuktun Versatrax 100™ or NanoMag™ crawlers, it is ideal for inspecting a wide range of infrastructure including piping, storage tanks and nuclear reactors. And, because the Spectrum 45 adheres to our Multi-Mission Modular (IM3™) design philosophy, it can be easily integrated into third party designs including Remotely Operated Vehicles (ROVs), manipulators or pipe inspection systems.

High intensity built-in LEDs for maximum penetration, visibility and image quality

Aluminum or 316 Stainless Steel

Miniature size for confined spaces

SPECIFICATIONS

KEY SPECIFICATIONS

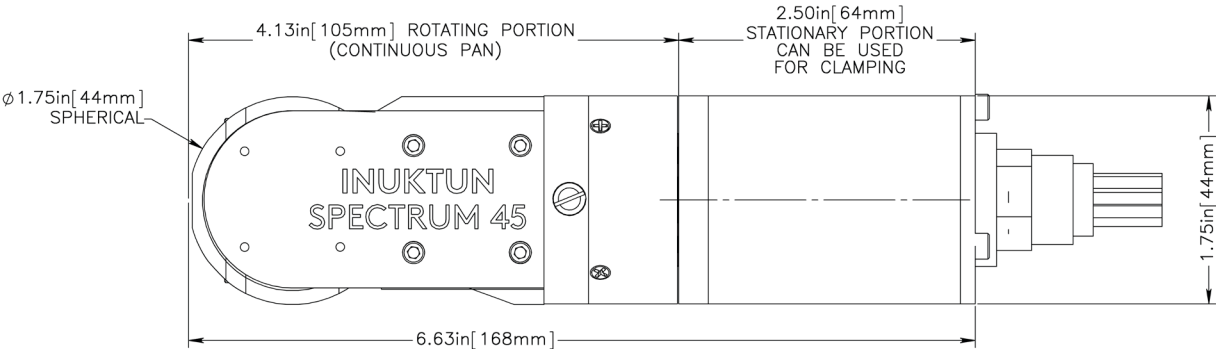|	
Diameter	45 mm (1.75 in)
Length	163 mm (6.4 in)
Weight	0.8 kg (1.5 lb) (aluminum)
Material	Aluminum
	Optional:
	316 stainless steel
Depth Rating	150 m (500 ft)
Maximum Tether Length	500 m (1,650 ft)
Operating Temperature	0 °–50 °C (32 °–122 °F)*
Minimum Illumination	1.0 lux
Resolution	420 TV lines
Focus	Manual (remote)
Iris	Auto

Lights	12 × High intensity LEDs
Controls	360° continuous pan, 280° tilt, focus, light
Variable Pan Speed	0–18° per second
Variable Tilt Speed	0–35° per second
HFOV	47° in air
Format	PAL or NTSC
Input Voltage	36 -70 VDC
Lens	3.6 mm
Depth of Field	10 mm to infinity

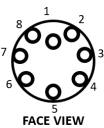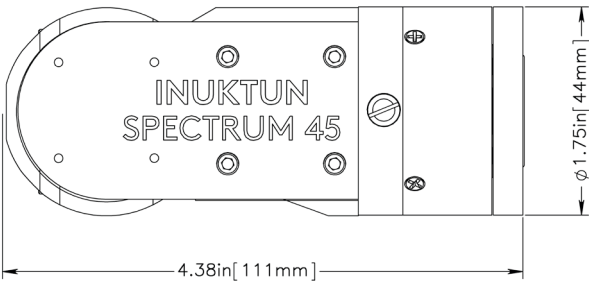*Dependent on operating conditions. Ask your sales expert for more information.

IM3™

Standard version

Units in inches [mm]

4.13in[105mm] ROTATING PORTION (CONTINUOUS PAN)

2.50in[64mm] STATIONARY PORTION CAN BE USED FOR CLAMPING

ø1.75in[44mm] SPHERICAL

INUKTUN SPECTRUM 45

1.75in[44mm]

6.63in[168mm]

Nano version

Units in inches [mm]

INUKTUN SPECTRUM 45

ø1.75in[44mm]

4.38in[111mm]

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

FACE VIEW

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Eddyfi Technologies