



**INUKTUN**  
 TRANSFORM THE FUTURE

Spectrum 90™



The most popular Inuktun camera on the market, this robust 40x zoom, 1/4in CCD color camera, with a diameter of 3.5in / 90mm, 460+ TV line resolution and 1.5 lux sensitivity is available in aluminum or stainless steel and depth rated to 100ft / 30m or 1000ft / 300m. In addition, the Spectrum 90™ camera offers high intensity LED lighting to maximize visibility at any zoom factor, and the optional laser lines enable the operator to make size evaluations of any object within the field of view.

For more information on advanced remote inspection systems contact Inuktun today.



## SPECIFICATIONS

<b>SIZE</b>	
Diameter	3.5in / 90mm
Length	11in / 280mm + connector
<b>CAMERA</b>	
Material	Aluminum or 316 stainless steel
Imager	1/4-type EXview HAD™ CCD
Sensitivity	< 1.5 lux
Resolution	460 TV lines
Focus	Auto or manual (remote)
Exposure	Auto or manual (remote)
Lights	3x High intensity variable LEDs
Camera Weight	6.6lb / 3kg (aluminum)
Format	NTSC / PAL
Power	Voltage (Nom): 40–54VDC 65W
<b>CONTROL SYSTEM</b>	
Power	Voltage (Nom): 88–264VAC 200W
Chassis	19in rack mount or optional Pelican® case
Height	5.75in / 146mm
Rack Mount Weight	22lb / 10kg
Case	1450 Pelican® case (optional)
Size	16in x 13 in x 6.875in 40.6cm x 33cm x 17.4cm

<b>Weight</b>	20.2lb / 9.2kg
<b>Interface</b>	Membrane panel with joystick input and home function; pan, tilt and inclinometer feedback, video text overlay with keyboard entry, date/time and camera feedback
<b>Tether Cable</b>	Up to 1500ft / 457m
<b>Optional</b>	Portable cable reel with distance counter
<b>CONTROLS</b>	
<b>Active Controls</b>	Pan, tilt, zoom, focus, lights, lasers and exposure level
<b>Pan</b>	360° continuous
<b>Variable Pan Speed</b>	0–26°/sec
<b>Tilt</b>	280°
<b>Variable Tilt Speed</b>	0–7°/sec
<b>Horizontal</b>	FOV 46° in air (wide)
<b>Zoom</b>	40:1 (10x optical, 4x digital)
<b>Clutch</b>	Pan and tilt clutch
<b>OPERATING ENVIRONMENT</b>	
<b>Temperature</b>	0°–50°C (32°–122°F)
<b>Depth Rating</b>	200ft / 60m Optional 1,000ft / 300m depth rating available

<b>APPLICATIONS</b>	<ul style="list-style-type: none"> <li>• Municipal pipe inspection</li> <li>• Toxic environment, confined space or underwater analysis</li> <li>• Nuclear fuel pool examination</li> <li>• Reactor vessel inspection</li> <li>• Small diameter pipe inspection</li> <li>• Foreign object search and retrieval</li> <li>• Dam and lock survey</li> <li>• Robotics and remote tooling</li> <li>• ROV integration</li> <li>• Corrosion evaluation</li> </ul>
<b>BENEFITS</b>	<ul style="list-style-type: none"> <li>• Lightweight construction</li> <li>• Compact size</li> <li>• Robust and reliable</li> <li>• Operate in air or underwater</li> <li>• Permanent or mobile installations</li> <li>• Precise controls</li> <li>• Depth rated to 100ft / 30m</li> <li>• Pan / tilt position feedback</li> <li>• Continuous 360° pan</li> <li>• &gt; 280° tilt</li> <li>• Built in inclinometer</li> <li>• Pan / tilt operation does not change camera profile</li> </ul>

MODULAR MOBILE ROBOTIC  
 CRAWLER VEHICLES

INDUSTRIAL WATERPROOF  
 CAMERA SYSTEMS