

The Evolution of Pipe Inspection

Inuktun technology lets you... see it for yourself.



INUKTUN
CRAFTSMANSHIP IN HIGH TECHNOLOGY

see it for yourself.

The Spectrum 90™ pan, tilt and zoom camera is one of the most popular Inuktun cameras on the market. This robust 40x zoom 1/4" CCD color camera, with a diameter of 3.5"/90mm, 460+ TV line resolution and 1.5 lux sensitivity is built out of aluminum or stainless steel and depth rated to 100ft/30m. In addition, the Spectrum 90™ zoom camera offers both flood and spot lighting with variable brightness to maximize your penetration and visibility with the opportunity for zoom when required.

APPLICATIONS

- Municipal pipe inspection
- Toxic environment, confined space or underwater inspection
- Nuclear fuel pool inspection
- Reactor vessel inspection
- Small diameter pipe inspection
- Foreign object search and retrieval
- Dam and lock inspection
- Robotics and remote tooling
- ROV integration
- Corrosion evaluation

BENEFITS

- Light weight construction
- Compact size
- Robust and reliable
- Operate in air or underwater
- Permanent or mobile installations
- Precise controls
- Depth rated to 100' /30m
- Pan /tilt position feedback
- Continuous 360° pan
- > 280° tilt
- Built in inclinometer

For more information
on advanced pipe
inspection systems,
contact Inuktun today.

CALL 1 877 468 5886

E-MAIL sales@inuktun.com

ONLINE www.inuktun.com



Printed in Canada

SPECTRUM 90

* Specifications subject to change

Size

Diameter 3.5" /90mm

Length 11" /280mm + connector

Camera

Material Aluminum (Stainless Steel Optional)

Type Color 1/4" EX VIEW CCD

Sensitivity <1.5 lux

Resolution 460 TV Lines

Focus Auto and Manual (Remote)

Exposure Auto or Manual (Remote)

Lights 4 x 11.3 W = 45.2 W total (2x Wide Beam Flood, 2 x Narrow Beam Spot)

Camera weight 5.5lb /2.5kg (Aluminum version)

Format NTSC /PAL

Controls

Active Controls Pan, Tilt, Zoom, Focus, Lights & Exposure level

Pan 360° continuous

Pan Speed Variable 0°- 26° /sec

Tilt 280°

Tilt Speed Variable 0°-7° /sec

Horizontal FOV 46° in air (wide)

Zoom 40:1 (10X optical, 4X digital)

Clutch Pan & Tilt Clutch

Lights Variable intensity

Operating Environment

Temperature 0°-50°C (32°-122°F)

Depth Rating 100' /30m

Optional 1,000' /300m depth rating available

Control System

Universal Power 88-264 VAC 50 /60Hz

Chassis 19" rack mount or optional pelican case

Height 5.75" /146mm

Rack Mount Weight 22lb /10kg

Pelican case 1450 Pelican case (optional)

Pelican size 16" x 13" x 6 7/8"

(40.6cm x 33cm x 17.4cm)

Pelican weight 20.2lb /9.2kg

Interface Membrane panel with joystick input and home function; pan, tilt and inclinometer feedback, video text overlay with keyboard entry, Date /time and camera feedback

Standard Tether cable up to 500' /150m*

*Longer cables - custom order

Optional portable cable reel with distance counter

Specifications subject to change

