

# The Evolution of Pipe Inspection

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



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.

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Printed in Canada

SPECTRUM 90

\* Specifications subject to change

## Size

**Diameter** 3.5"/150mm

**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

