



INUKTUN
TRANSFORM THE FUTURE

Spectrum 120HD™



The Spectrum 120HD™ pan, tilt and zoom camera provides crystal clear 1080i video in air or underwater. It packs a high definition, 2 mega pixel imager with 120x zoom into a robust housing only 4.75in / 121mm in diameter. With built-in LED lighting, unlimited pan and a wide tilt range, maximum visibility is achieved so you can... see it for yourself!

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



SPECIFICATIONS

SIZE

Diameter 4.75in / 121mm
Length 13.8in / 350mm + connector
Weight 10.5lb / 4.8kg (aluminum)

CAMERA

Material Aluminum or 316 stainless steel
Imager 2Mpx CMOS
Sensitivity 12 lux
Zoom 120 (10x optical, 12x digital)
Focus Auto or manual
Exposure Auto or manual
Format 1080i (720p optional)
Lights 4x High intensity LED modules
Power Voltage (Nom): 40–54VDC 75W

CONTROL SYSTEM

Power Voltage (Nom): 88–264VAC 200W
Chassis 19in Rack mount or optional Pelican® case
Rack Mount Height 5.75in / 146mm
Rack Mount Weight 22lb / 10kg
Case 1450 Pelican® case (optional)
Size 12in x 9.25in x 5.125in (305mm x 232mm x 130mm)

Weight Interface

20.2lb / 9.2kg
Membrane panel with proportional joystick input and home function; pan, tilt and inclinometer feedback, date/time and camera feedback. Controller functions and camera feedback available on standard video output. Separate or dual input monitor required.

Tether Cable Optional

Up to 1000ft / 300m
Portable cable reel with distance counter

CONTROLS Active Controls

Pan, tilt, zoom, focus, lights and exposure level
Pan 360° continuous
Tilt 280°
Horizontal FOV 50° in air (wide)
Lights 4x High Intensity variable LEDs

OPERATING ENVIRONMENT

Temperature 0°–45°C (32°–122°F)
Depth Rating 100ft / 30m
Deep water option

APPLICATIONS

- Municipal pipe inspection
- Toxic environment confined space or underwater analysis
- Reactor vessel surveillance and camera feedback
- Foreign object search and retrieval
- Dam and lock survey
- Robotics and remote tooling
- Underwater surveillance for operations or security

BENEFITS

- Clear, high definition 1080i video
- Durable, high intensity LED lighting
- Lightweight construction
- Permanent or mobile installations
- Continuous 360° pan
- 280° tilt
- Built in inclinometer
- Pan / tilt operation does not change camera profile

MODULAR MOBILE ROBOTIC
CRAWLER VEHICLES

INDUSTRIAL WATERPROOF
CAMERA SYSTEMS