



INUKTUN
 TRANSFORM THE FUTURE

Spectrum 45™



The Spectrum 45™ pan and tilt camera is one of the smallest industrial cameras of its kind. With a diameter of only 45mm / 1.75in, this robust 420 TV line resolution, 1.0 lux, ¼in CMOS color camera is built out of aluminum or stainless steel and depth rated to 100ft / 30m. In addition, the Spectrum 45™ camera offers 6 high powered LED lights to maximize your visibility and image quality.

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



SPECIFICATIONS

SIZE

Diameter 1.75in / 45mm
 Length 6.4in/162.6mm + connector

CAMERA

Material Aluminum or 316 stainless steel
 Type ¼in CMOS
 Sensitivity 1.0 lux
 Resolution 420 TV lines
 Focus Manual (remote)
 Iris Auto
 Lights 6x High intensity LEDs
 Weight 1.1lb / 0.5kg
 Format PAL or NTSC
 Power Voltage (Nom): 40–54VDC 10W
 Lens 3.6mm FL
 Focal Range 12mm to infinity

CONTROL SYSTEM

Type Spectrum™ or Versatrax™ controller
 Power Voltage (Nom): 88–264VDC 200W
 Case 1450 Pelican® case

Size

16in x 13in x 6.875in
 (40.6cm x 33cm x 17.4cm)

Weight

20.2lb / 9.2kg

Interface

Membrane panel with joystick input, video text overlay with keyboard entry, date/time and camera feedback

Tether Cable

Up to 1500ft / 457m

CONTROLS

Active Controls

Pan, tilt, focus and light
 360° continuous

Pan

0–26°/sec

Variable Pan Speed

280°

Tilt

0–12°/sec

Variable Tilt Speed

53° in air

HFOV

Pan and tilt clutch

Clutch

Variable intensity LEDs

Lights

OPERATING ENVIRONMENT

Temperature

0°–50°C (32°–122°F)

Depth Rating

100ft / 30m

APPLICATIONS

- Toxic environment analysis
- Underwater inspection
- Caisson surveillance
- Nuclear fuel pool examination
- Reactor vessel inspection
- Small diameter pipe inspection
- Foreign object search and retrieval
- Dam and lock survey
- Robotics and remote tooling
- ROV integration
- Corrosion evaluation
- Remote monitoring

BENEFITS

- Miniature size
- Lightweight
- Robust and reliable
- Waterproof to 100ft / 30m
- Sensitive controls for precise operation
- Pan / tilt operation does not change camera profile

MODULAR MOBILE ROBOTIC
CRAWLER VEHICLES

INDUSTRIAL WATERPROOF
CAMERA SYSTEMS