

6960 Series Dual Platform Positioner System



Allows custom camera site design with off-the-shelf economy

Four camera choices plus illuminator for maximum flexibility

Sealed and pressurized camera housing for long, reliable operation

Heavy-duty, precision, environmentally-protected positioner

Programmable presets and tours

Embedded multi-protocol camera and positioner control



APPLICATIONS

- Border Protection
- Bridges
- Power Plants
- Water Departments/Reservoirs
- High Value Asset Monitoring
- Process Monitoring
- Waste/Effluent Monitoring
- Perimeter Security
- Military Surveillance / Targeting

The Cohu 6960 Series is a full-spectrum camera site surveillance solution in one integrated package. Two cameras (or accessory) on one positioner provide reliable surveillance or process monitoring in daylight, no light, and obscured visibility conditions. Select a thermal imager for extreme low light conditions, or environments clouded by haze, rain, smoke, or fog. The second camera is used for precise recognition and identification. Choose a color camera for the visual details it provides, or a monochrome camera for its low light sensitivity.

What sets the 6960 Series apart is that it can be fully customized at off-the-shelf economy. The 6960 Series provides additional value by using Cohu's dependable i-Series design for fast and accurate positioning with the ability to look straight down and in a 360° sweep. Our legendary sealed and pressurized camera enclosure guarantees a pristine operating environment for reliable operation and long life.

This functionality is ideal for both intrusion detection and process monitoring applications such as waste/effluent management.

The camera and positioner control (GUI) easily integrates into system management or policy-based analytical software.

For IP-enabled sites, the 6960 can be configured, at no cost, with video analytics to create a complete surveillance tool that incorporates detection and notification with minimal human intervention.

The Cohu 6960 gives you the Best of Both! Choose the camera or accessory that fits your surveillance or imaging requirement. Both components are then integrated into a precision i-Series positioner.

Camera/Accessory	Feature
5900 Series Thermal Imager	Detection of radiated energy
3900 Series color camera with integrated lens	Recognition and identification; color images by daylight and low light sensitivity by night; electronic image stabilization
2700 Series monochrome camera	Recognition and identification; very low light sensitivity; custom lens selection
3600 Series color camera	Recognition and identification; custom lens selection
IR illuminator	Creates more useable video in darkness

If a thermal or light intensifying imager is included, then export of this product is regulated by the U.S. Department of State in accordance with guidelines of "International Traffic in Arms Regulations (ITAR)" per Title 22, Code of Federal Regulations, Parts 120-130. This datasheet is approved for unlimited public release per 02-S-2566.

SPECIFICATIONS

CAMERAS

See individual camera data sheets

IR ILLUMINATOR

Model dependent; typically 100 M, 30°, 850nm

PAN/TILT POSITIONER

Angular Travel

360° continuous pan range,
-90° to +90° tilt range

Pan Speed (preset)

80°/sec

Pan Speed (manual)

Variable from 0.05° to 80°/sec

Tilt Speed (preset)

80°/sec

Tilt Speed (manual)

Variable from 0.05° to >80°/sec

Wind Loading

Maintains minimum 50% of spec at 120 MPH wind load

Presets

64 preset positions (each preset includes pan, tilt, zoom and focus coordinates and 24 character ID label)

Video Tours

8 tours, each consisting of 32 presets with dwell time per preset per tour

Sector Zones

Up to 16 programmable zones in the horizontal plane

Privacy Zones

8 programmable zones can be set for video blanking

Alarm Inputs

Individually programmed for three priority levels, to initiate a stored pattern, or to go to an associated preset when received.

Alarm Outputs

Controlled individually, with latching or timed latching between 1-60 seconds

Compass Direction

8 or 16 direction points (i.e.: north, NE, east, SE, south, SW, west, and NW) can be displayed. Function can be on/off, 3-sec. time out or permanent

Title Generation

Preset, Zone, Sector, Privacy
2 lines of 24 characters

Compass/Position

1 line, includes compass direction and absolute position

Inverted Operation

Can be mounted in an inverted position. Software setting compensates image and control for inversion

ELECTRICAL

Power Input

24VAC or 120VAC

Power Consumption

>150 watts max, less p/t heater option
Meets NEMA TS-2 for power variation and transients

I/O SUPPORT

Video

Selectable options:

- 1) One video output to be used with remote switching between dual head output from control system;
- 2) Two simultaneous video outputs

Data

RS422 for both imaging system control functions and PTZ control (Model dependent)

Ethernet

10/100BaseT output for compressed video(s) and data control channels, model dependent

Alarms

2 dry contact inputs, selectable as either N.O or N.C.

Relays

1 dry contact output, form A, @ 1 AMP, with single common

Protocol

Cohu i-Series with extended command set for thermal imager.

ENVIRONMENTAL

Temperature Range

-34C to 74C

Humidity

0-100% N.C

Standards

IP66/IP67, ASTM-B117 Marine

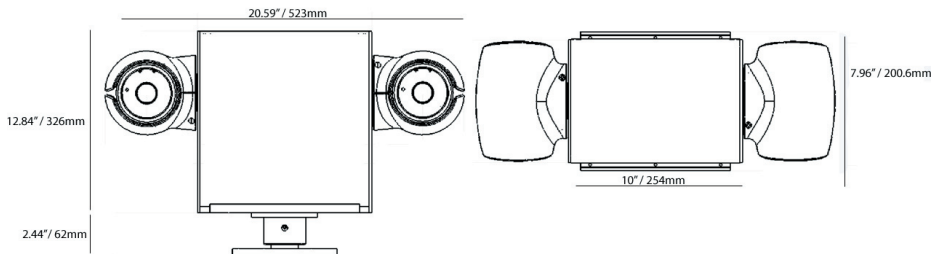
Vibration/Shock

NEMA TS2 vibration and shock.

Certifications

Safety: CE; Emissions: FCC

DIMENSIONS



MECHANICAL

Weight

Approximately 35 lbs (Model dependent)

Dimensions

Approximately 5" H x 20" W x 24" D

Construction

Anodized aluminum; all internal and external parts corrosion protected; stainless steel fasteners

Connectors

MS E weatherproof/non-corrosion type.

Mounting

Standard 4.75" BC or 7.00" BC

ORDERING INFORMATION

696X-XXX0/XXXX

Dual head positioner

Power

4 - 24 VAC

5 - 120 VAC

Right Position

2 - 2700 Series camera*

3 - 3600 Series camera**

4 - 3900 Series camera

6 - 5900 Series thermal camera***

Left Position

2 - 2700 Series camera*

3 - 3600 Series camera*

4 - 3900 Series camera

6 - Illuminator**

Accessories

0 - None

1 - Pan/tilt heater

2 - Wiper support

3 - Lens driver for 2nd optical camera

4 - P/T heater & wiper support

5 - P/T heater & lens driver support

6 - P/T heater, wiper, & lens driver support

7 - Wiper & lens driver support

Mounts

PEDD - Std pedestal mount

LPED - Lg pedestal mount

WALL - Wall mount

POLE - Pole mount

CONR - Corner mount

PARP - Parapet mount

* - Consult factory for lens options

** - Consult factory for illuminator options

*** - Consult factory for thermal lens options

Specifications subject to change without notice.

COHU

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