

LanScout 150-S

Long Wave Thermal Imaging Camera



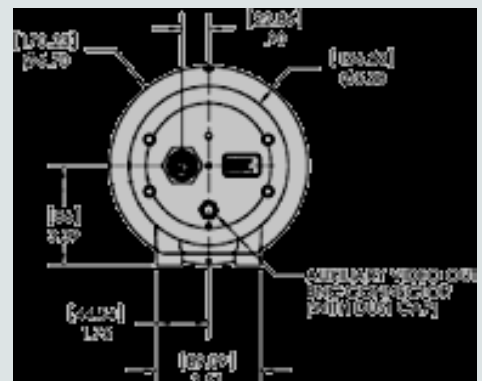
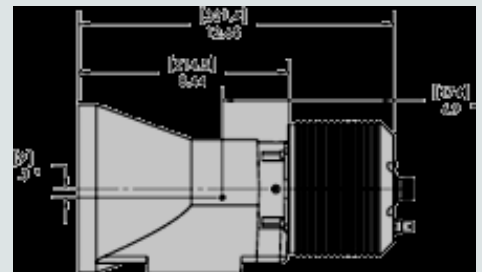
The LanScout long wave uncooled thermal imagers offer effective surveillance solutions delivered in an economic, compact package. Exhibiting unsurpassed reliability, LanScout imagers provide striking thermal pictures every time.

The LanScout 150-S single field of view camera provides long wave thermal images through a lens focal length of 150mm having a field of view of 2.9 x 2.2 degrees. The LanScout 150-S employs an uncooled VOx microbolometer in a 320 x 240 pixel, 23.5µm pitch focal plane array. Operating in the 8-14µm spectral region, the LanScout provides superior thermal images through smoke, aerosols, and other atmospheric obscurants. The proprietary germanium optical system ensures that the uncooled sensor operates at its maximum capability, while extremely efficient coatings on interior elements enhance transmission performance. The LanScout's optical front element is protected with a proprietary diamond-like hard carbon coating, designed for use in the harshest of environments, and is equipped with an automatically controlled defroster. The rugged enclosure is backfilled with dry nitrogen and environmentally sealed, eliminating the need for additional enclosures. Additionally, the user-friendly plug and play camera operation and RS-232/422 remote control capability permit ease of integration into any client-based security system.

www.senspex.com

KEY FEATURES

- Auto & Manual Focus
- Remote Control
- Multiple Color Palettes
- Environmentally Sealed
- Dry Nitrogen Backfilled Enclosure
- 2.9° Single Field of View (150mm)
- Uncooled 8-14µm VOx Microbolometer Technology (23.5µm)



LanScout 150-S

System Specifications

| | |
|--------------------|---|
| Part Number | 23097MA |
| Video Format | NTSC or PAL |
| Serial Interface | RS-232/RS-422 |
| Power Requirements | 5-15 VDC <5 Watts typical @ steady state, 25°C |
| Environmental | Unit sealed and dry nitrogen backfilled, rated IP67 |
| | Front Element Defroster |
| | Operating Temperature Range: -30°C to +60°C |
| | Non-Operating Temperature Range: -40°C to +70°C |
| Controls | Controls available on a handheld pendant or through a PC via an RS-232/422 link |
| Mounting | 3/8-16 4-Point Interface |
| Weight | ~7.9 lbs (~3.6kg) |
| Length | 13.4" (34.1cm) |

Sensor Characteristics

| | |
|---------------|---|
| Detector | 320 x 240 Uncooled VOx Microbolometer FPA, 23.5µm pitch |
| Spectral Band | 8-14µm |
| MTBF | >30,000 hours |

Optical Characteristics

| | |
|----------------|--|
| Spectral Range | 8-14µm |
| Lens Type | Single Field of View, 150mm focal length |
| f/# | 4 |
| Lens Features | Motorized remote operation |
| | Auto and manual focus adjustment |
| Field of View | 2.9° x 2.2° |

Construction of Part Numbers

| Code | Featured Referenced & Available Options | Example |
|------|---|-----------|
| Bn | Baud Rate (Default = 9600) | 23097MAB3 |
| B1 | 4800 | |
| B3 | 19200 | |
| B4 | 38400 | |
| B5 | 57600 | |
| B6 | 115200 | |
| K | Sun Shield | 23097MAK |
| N | No BNC Video Output | 23097MAN |
| P | PAL Video Format | 23097MAP |
| Vnn | Paint Version (default = Flat White; V8 = Gloss White; contact Senspex for other options) | 23097MAV8 |

*Note: To construct Part Numbers, start with base code, add other desired options alphabetically (excepting that "P" must be last), and then add kit designator.
Example: 23181F2H1ZP-600*

SENSPEX

APPLIED SCIENCE & TECHNOLOGY

9798 Coors Blvd NW, Building B, Albuquerque, NM 87114-6133
505.891.0034 | www.senspex.com

Manufacturer reserves the right to change specifications to reflect latest changes in technology and improvements at any time without notice.
Export is subject to US Government regulations.

