PEGASUS 100 is a dual sensor system which integrates a medium range thermal imaging camera, a Day&Night sensor, installed on a precision, strong AISI 316 stainless steel Pan & Tilt system, with a Control and Management system, based on IndigoVision compression and transmission technology.

With the continuous zoom and the excellent image quality, it allows a medium range overseeing and detection, day and night, through dust and smoke.

The system is particularly suitable for borders and coastal surveillance, as well as for the control of the harbors and the maritime traffic and in highly corrosive environments such as industrial and chemical plants.

The Control and Management system enables local and simultaneous remote monitoring, viewing and recording across multiple sites, regardless of geographical location and can integrates other TVCC systems and alarms.

Main features

- Compact, light weight, low power consumption
- Thermal imaging technology 320 x 240, 17 μm, uncooled
- Thermal camera with Continuous Optical Zoom (15 – 100mm)
- Thermal camera 3.1"- 20,9" Continuous Horizontal Field of View
- Day&Night CCTV with 36X Optical Zoom 3,43 – ~120mm
- Slow Shutter Low Light mode
- Pan and Tilt range 350°
- Heater and Wiper standard mounted (Wiper DL camera only)
- H264 video streams compression to save network bandwidth
- Real Time encoder setting (bit rate, frame rate, resolution etc).
- Local and simultaneous remote monitoring, viewing and recording across multiple sites, regardless of geographical location
- Up to 64 live video streams viewed from one PC with 4 monitors
- Up to 170 video streams can be recorded simultaneously and up to 25 cameras can be played back simultaneously.
- Quick analysis of thousands of recordings using motion, time and camera search criteria and triggering relays when an alarm occurs.
- Live and recorded video can be viewed at the same time
- An interactive map of a site can help users to locate and manage cameras and alarms.
- Administrators can manage network devices, sites, recordings, user groups and accounts and many other parameters.
**PEGASUS 100 System Specifications**

- **Video Format**: NTSC or PAL.
- **Thermal camera**: VOx microbolometer, 320x240, 17μm pitch.
- **Day Light Camera**: Day&Night ¼” CCD, Optical Zoom f 15mm – 100mm.
- **Controls**: RS-485 link.
- **Power Requirements**: 24VAC, Absorption < 200W.
- **SYSTEM Environmental**: Stainless Steel AISI 316L.
- **Weight**: Corrosion / heat resistant, IP67 rated. Oper. T Range: -20°C to +50°C. 40.0kg (88,18lbs).

**Note**: Main Power requirements of System Junction Box, which distributes connections and power from shelter subsystem equipments to tower subsystem equipments (pan-tilt / housings / cameras). Additional 220-240VAC power required with optional washer pump.

**PEGASUS 100 Thermal Camera Specifications**

- **Video Format**: PAL / NTSC / optional digital output.
- **Sensor**: VOx Microbolometer, 320 x 240. 17μm pitch.
- **Spectral Range**: 8-12μm.
- **Lens Type**: Continuous Zoom, 15 - 100mm.
- **F#**: 1.4.
- **Lens Features**: Motorized remote operation, Auto and manual focus adjust.
- **H Field of View**: 20.9° (WIDE) to 3.1° (NARROW).
- **Camera housing**: Stainless Steel AISI 316L. IP 67 rated. Heater & Sunshield standard.
- **Power Requirements**: 12 VDC Camera / 24 VAC Heater. < 20W total absorption.
- **Environmental**: Operating T Range: -40°C to +60°C.
- **Housing Dim. (H x W x L)**: 222mm x 206mm x 650mm. (8.74” x 8.11” x 25.99”).
- **Total Weight**: 12.5Kg (27.56 lbs).

**PEGASUS 100 Pan Tilt Unit Specifications**

- **Max Pan Speed**: 18°/second.
- **Max Tilt Speed**: 9.5°/second.
- **Pan Range**: 350°.
- **Tilt Range**: 350°.
- **Backlash**: < 0.1°.
- **Environmental**: Stainless Steel AISI 316L. IP 67 rated. Operating T Range: -20°C to +55°C.
- **Weight**: 20.0Kg (44.09 lbs).

**PEGASUS 100 Day Light Camera Specifications**

- **Video Format**: PAL / NTSC.
- **Scanning System**: 2:1 Interface Image.
- **Sensor**: 1/4 inch IT CCD.
- **Effective Pixels**: PAL 752(H) x 582(V) 440K. NTSC 768(H) x 494(V) 380K.
- **Horizontal Resolution**: 540 TV Lines / BW 600 TV Lines.
- **Lens**: 36 x Zoom Video AF f=3.43-120mm. F1.6 (W), F4,5(T). Autofocus/Autoiris.
- **Digital Zoom Ratio**: 12x.
- **Total Zoom Ratio**: Max. 432x.
- **Day & Night**: ICR (AGC type).
- **Digital Slow Shutter**: Off / 2FLD to 128FLD mode.
- **Min.Illumination**: Day Mode: 0.05Lux. Night Mode: 0.0002Lux (DSS 128) English.
- **OSD (On Screen Display)**: Camera control. Remote RS-485 / Rear button.
- **Camera housing**: Stainless Steel AISI 316L. IP 67 rated. Heater / Sunshield / Wiper standard.
- **Power Requirements**: 12 VDC Camera. 24 VAC Heater&Wiper. < 30W total absorption.
- **Environmental**: Operating T Range: -15°C to +50°C. 159mm x 140mm x 431mm. (6.26” x 5.51” x 16.97”).
- **Total Weight**: 7.5Kg (16.53 lbs).

**CONTROL CENTER**

Security System alarm management and integration

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Specifications subject to change without notice.