

## Thermal Beacon Laser Illumination Products

### Night Beam I – Red HPLI

- **Visible laser illuminator for very long range**
  - Illumination up to 3 Km
- **Optical**
  - Source: Fiber-coupled laser diodes array
  - Emitting wavelength: 635 nm (high sensitivity red)
  - Output power: 1.5 Watt CW (Class IV) - adjustable continuously
  - Beam divergence: 2 mrad - zoom close, 10° - zoom open
- **Electrical**
  - Battery: 9÷18 VDC (or 18÷36 VDC)
  - Current consumption: 2.5 Amp @ 12V
- **Physical**
  - System contents: Laser unit, telescope and fiber cable
  - Dimensions: Laser unit: 120 X 150 X 175 mm  
Telescope: 50 X 50 X 50 mm
  - Distance between Laser unit and telescope: 1 m standard (20 m optional)



**Laser Unit**



**Telescope**

### Night Beam II – Green HPLI

- **Visible laser illuminator for very long range**
  - Illumination up to 5 Km
- **Optical**
  - Source: Diode Pumped Solid State Laser
  - Emitting wavelength: 532 nm
  - Output power: 1.0 Watt CW (Class IV) - adjustable continuously
  - Beam divergence: <1 mrad - zoom close, 5° - zoom open
- **Electrical**
  - Power consumption: < 25 Watts (maximum power)
- **Physical**
  - System contents: Laser driver, laser head
  - Dimensions: Laser driver: 110 X 230 X 280 mm  
Laser head: 80 X 200 X 250 mm
  - Distance between Laser unit and telescope: 4 m



**Laser Driver**



**Laser Head**

### Night Beam III – IR HPLI

- **Infrared laser illuminator for night vision surveillance systems**
  - Illumination up to 5 Km
- **Optical**
  - Source: Fiber coupled laser diode
  - Emitting wavelength: 810 nm (other wavelengths available)
  - Output power: 1.5 Watt CW (Class IV) - adjustable continuously
  - Beam divergence: 1 mrad - zoom close, 5° - zoom open
  - Power control: Continuous (zero to maximum)
  - Modes: Continuous illumination and flash (1.5Hz)
- **Electrical**
  - Input power: 9÷18 VDC (or 18÷36 VDC)
  - Current consumption: 300 mA @ 12 VDC
- **Physical**
  - System contents: Laser unit, telescope and fiber cable
  - Dimensions: Laser unit: 70 X 100 X 150 mm  
Telescope: 50 X 50 X 50 mm
  - Distance between Laser unit and telescope: 1 m standard (20 m optional)



**Laser Unit**



**Telescope**