

PELIS



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Portable Eye-safe Laser Imaging System

PELIS is a **demonstrator** allowing **day and night vision**, even under **adverse conditions** (fog, smoke, etc.), in complete **eye-safe operational mode**.

As it operates in the short-wave infrared bandwidth, PELIS **cannot be detected** by hostile observers, standard cameras or image intensifiers. The PELIS demonstrator has the capability to display and record videos in real-time and offers a **night vision range of 250 m**.



Technical features

- Resolution: 320 x 256 pixels
- Field of view: 4°
- Laser safety: class 1M
- Weight: 3 kg
- Autonomy: 2h30

Features to be obtained

- Range-gated capability (capability to image only the portion of the scenery at a given range, effectively seeing through fog in the foreground)
- Night vision range: 500 m
- Field of view: 2°

Options

- Resolution: 640 x 480 pixels
- Field of view: 3°
- Weight: 2.3 kg
- Reconstruction and transmission: integrated monocular

Applications

- Area surveillance
- Intelligence



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