

SIMULATED RIFLE SCOPE

The simulated rifle scope is intended to be used in a laser shooting simulation to train a marksman, a sniper team or a hunter. It can be used in conjunction with a simulated rifle or real rifle with laser cartridge. The heart of the scope is an OLED micro-display, which is available in SVGA (800x600) or SXGA (1280x1024) resolutions. The OLED image is magnified by lightweight glass optics.

The simulated rifle scope also features operating windage, elevation and zoom control. Any change in the controls is instantly transmitted to the PC via USB joystick interface.

All the control electronics are packed inside the scope, so the unit doesn't require any additional controller units.

Key features

- OLED micro-display
- Glass optics with 34° field of view
- Connects directly to PC with a VGA and USB cable (no additional control units required)
- Rifle scope controls (elevation, windage, power, ...) recognized as a standard USB HID device on a PC
- Adjustable diopter
- Cost-efficient
- Adjustable brightness and contrast ratio

Display specification

- Display technology: full color OLED microdisplay
- Image resolution: SVGA (800x600) or SXGA (1280x1024)
- Color depth: 24 bit
- Video input connector: 15 pin D-SUB VGA female connector
- PC interface: USB Type-B connector

Optical specification

- Field of view (diagonal): 34°
- Exit pupil: 7 mm
- Eye relief: 52 mm
- Contrast ratio: 10,000:1
- Optics material: glass



Mechanical specification

- Material: aluminium
- Weight: 550 g
- Dimensions: 350x60x60 mm

Possible customization

- **Increased field of view** - we can use special optics to match your requirements for a wider viewing angle
- **Motion tracker** - any device can be equipped with a motion tracker to feed the computer with information about its position
- **Circular image** - by default the viewing image is of rectangular shape. Per request it can be changed to circular shape with use of an additional masking element.
- **Custom mechanical design** - we can reproduce the mechanical design of a real optical device or match your specific needs.
- **Wireless operation** - we can equip the device with wireless video feed, bluetooth communication and a battery, so it becomes fully untethered.