



## **DESCRIPTION OF THE SUBJECT OF THE ORDER**

Supply of infrared camera with special lens is part of a project No. 2022/47/P/NZ4/03358 within the POLONEZ BIS programme co-funded by the National Science Centre and the European Union's Horizon 2020 research and innovation programme under the Marie Skłodowska-Curie grant agreement No. 945339

Research project entitled *Electrical stimulation of Anterior Thalamic Nuclei for memory modulation*.

### **INFRARED CAMERA WITH SPECIAL LENS**

**Infrared camera dedicated for tracking the infrared LEDs mounted on the headstage attached to rats head with special lens**

Supply includes: 1 unit

#### **Camera for behavioural tracking, specifications as follows:**

- true infrared camera, with high frame rate (necessary to capture the movements of animals)
- monochrome low-light capable
- PAL composite video output, BNC connectors
- programmable imaging window
- minimum 5 m video and power cables
- must include a composite video display for monitoring correct functioning during recording sessions
- must be proven to be effectively used for tracking rats in low-light conditions in studies on spatial memory published in top-tier neuroscience journals

#### **Lens for behavioural tracking, specifications as follows:**

- must be infrared compatible
- manual focus, manual iris, 3.5-14 mm varifocal



- must have attached infrared synchronisation LED, necessary to align video tracking with ongoing electrophysiological recording via a pulsed synchronisation signal
- must be proven to be effectively used for tracking rats in low-light conditions in studies on spatial memory published in top-tier neuroscience journals