



## DIGITAL IRIS MODULE

INTEGRATION  
READY

### BRING EYE TRACKING SUPERPOWERS TO YOUR DEVICE

- READY-TO-EMBED EYE TRACKING MODULE WITH FULL SOFTWARE STACK
- MINIMAL FORM FACTOR FOR SPACE-CONSTRAINED DEVICES
- HIGH-PERFORMANCE EYE TRACKING WITH EXCELLENT ACCURACY
- PROVEN ROBUSTNESS IN REAL-WORLD DEPLOYMENTS
- IDEAL FOR PROTOTYPING, TESTING, AND SMALL PRODUCTION RUNS
- TYPICAL INTEGRATION TIME: ~2 WEEKS

CUSTOMIZED  
CON-  
FIGURATION

### HARDWARE

#### • DIMENSIONS

**LENGTH** 37,6 mm

**WIDTH** 46,0 mm

**HEIGHT** 0,6 mm

**WEIGHT** 0,4 grams (0.014 ounce)

#### • CAMERA

2-cam architecture

#### • CONTROL/SENSORS

IR eye cams (or customized in colour)

Resolution: up to 400x400px (1:1)

IR LEDs for independence from ambient light

#### • SAMPLING RATE

Flexible up to 2 x 500 fps, with 2 x 60 fps as the standard setting

#### • PROCESSOR

Image Signal Processor

Micro-controller

#### • CONNECTIVITY

Electrical interface (18 pin connector or USB type C connector)

#### • POWER CONSUMPTION

From tens of milliwatts to about 150 mW, depending on configuration and hardware

POWER  
EFFICIENT

### SOFTWARE

#### • EYE TRACKING TECHNOLOGY

Binocular dark pupil tracking (using neural networks) and eyeball modelling

#### • EYE TRACKING FOV 95° (diagonal)

#### • PRECISION 0.16°

#### • CALIBRATION

Auto-calibration, one-point calibration, automatic slip compensation

#### • ACCURACY

Uncalibrated 1.8°

One-point calibration 1.3°