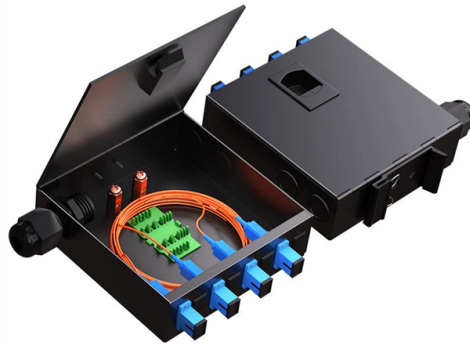


Energy-efficient eye transducer price list



AI Overview

Energy-efficient eye transducers, such as neuromorphic Metavision sensors, range from under \$1,000 for basic screen-based trackers to over \$70,000 for advanced wearable systems.

Price Ranges for Eye Trackers

Low-End (Under \$1,000–\$5,000): Screen-based eye trackers suitable for basic research or usability studies. These devices offer moderate accuracy and low sampling rates, ideal for general gaze tracking.

Mid-Range (\$5,000–\$20,000): VR-compatible eye trackers and some wearable glasses. These provide higher sampling rates (up to 500–1,000 Hz) and improved head movement freedom, suitable for immersive applications.

High-End (\$20,000–\$70,000+): Advanced wearable eye-tracking glasses and neuromorphic sensors like Prophesee Metavision® systems. These devices combine ultra-low power consumption (down to 2 mW) with high-speed sampling (>1 kHz), sub-pixel accuracy, and low-latency gaze tracking for neuroscience, medical diagnostics, and human-machine interaction research.

Notable Energy-Efficient Options

Prophesee Metavision® Sensors: Event-based vision sensors with intelligent pixels, enabling high-speed, low-power eye tracking in compact wearable devices. Used in products like Zinn Labs' 3D gaze estimation and 7invensun aSee Glasses-EVS.

Pupil Labs NEON Glasses: Lightweight, wearable eye trackers with moderate power consumption, suitable for mobile research and VR applications.

Tobii and SMI Glasses: High-precision wearable trackers with energy-efficient designs for professional research and neuromarketing labs.

Factors Affecting Price

Accuracy and Sampling Rate: Higher precision and faster sampling increase cost.

Form Factor: Wearable glasses and VR headsets are more expensive than screen-based trackers.

Software and Support: Licensing, analytics software, and technical support can significantly affect total cost.

Regional Taxes and Academic Discounts: Prices may vary depending on location and eligibility for educational pricing.

For researchers or developers seeking energy...

Article Content

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MEMS ultrasonic transducers for safe, low-power and

To achieve a small size and light weight, miniaturized and low-power MEMS ultrasonic transducers were designed, fabricated and seamlessly integrated into

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Event-based Vision for Eye Tracking

From gaze-tracking for real-world chat GPT interaction to foveated rendering, driver monitoring systems, varioptics headsets or even presbyopia correction, Metavision® sensors and algorithms allow for the

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COMPARATIVE ECONOMIC ANALYSIS OF PIEZOELECTRIC TRANSDUCERS

Piezoelectric transducers typically consist of piezoelectric materials coupled with metallic electrodes. Various transducer designs—such as Cymbal, Moonie, Multilayer, Cantilever Beam, MFC,

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What is a Transducer? A transducer is an electronic device that converts energy from one form to another. The process of converting energy from one form to

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Comprehensive Guide to Eye Tracker Prices: 15

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How much do ultrasound transducers cost? Prices for new ultrasound transducers typically range from \$1,000 to \$15,000, depending on the type, frequency, and compatibility with ultrasound systems.

Ultrahigh Frequency (100 MHz–300 MHz) Ultrasonic

The high resolution imaging capability of the transducers was demonstrated by scanning a zebrafish eye. The fine structures of the eye were

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MEMS ultrasonic transducers for safe, low-power and portable eye ...

Since the MEMS ultrasonic transducer was only millimeters in size, user-friendly glasses were implemented for real-time monitoring experiments of eye-blinking activity.

Energy-efficient, low-latency, and non-contact eye blink

A wearable, low-power eye blink detection system that showcases both robustness and accuracy in five scenarios was developed. An efficient and

Price List of Electronic Sensor

View list prices for oxygen, proximity, and current sensors—IP67 rated, ROHS certified, 1-year warranty.

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