

Pupillometer Market to Reach \$741.38 Million by 2032, Growing at 6.96% CAGR – SNS Insider

Market growth driven by rising neurological diagnostics demand and expanding applications in healthcare.

AUSTIN, TX, UNITED STATES, January 17, 2025 /EINPresswire.com/ -- According to Research by SNS Insider, The [Pupillometer Market](#) size was estimated at USD 405.15 billion in 2023 and is expected to reach USD 741.38 billion by 2032 at a CAGR of 6.96% during the forecast period of 2024-2032.



The Growing Impact of the Pupillometer Market, Advancing Diagnostics

The pupillometer market is experiencing significant expansion, driven by improvements in diagnostic technologies and an increasing incidence of neurological and vision conditions. Neurological disorders, impacting more than one-third of the world's population as reported by the WHO, create a need for accurate, non-invasive instruments such as pupillometers that evaluate neurological and autonomic functions reliably. Technological advancements have broadened the use of pupillometry from specialized studies to common clinical practice, particularly in critical care for assessing brain injuries and strokes, as well as in ophthalmology for the early identification of glaucoma. Improved diagnostic precision, patient-focused care, and elements such as automated data integration are driving increased adoption. As the population ages and the incidence of Alzheimer's and Parkinson's rises, pupillometers are vital for early diagnosis, reinforcing their significance in contemporary healthcare and driving market growth.

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Key Players in Pupillometer Market

- NeurOptics Inc.
- Adaptica
- Essilor Instruments USA

- HAAG-STREIT GROUP
- Johnson & Johnson Vision
- Luneau Technology Group
- NIDEK CO. LTD.
- Reichert Technologies
- SCHWIND eye-tech-solutions
- Konan Medical
- brightlamp Inc.
- Visionix
- Advancing Eyecare (US Ophthalmic)
- NIDEK SA
- Konan Medical USA Inc.
- Good-Lite Company
- Grobet USA (Vigor Optical)

Segmentation Analysis

By Modality

In 2023, the handheld pupillometers segment dominated the market, with 60% of the market share. These instruments are preferred due to their portability, user-friendliness, and quick evaluation of pupil responsiveness, which are essential in emergency medicine, neurology, and ophthalmology. Their streamlined design makes them perfect for outpatient and remote healthcare environments, where mobility is essential. Cost-effective and dependable, portable pupillometers have emerged as the favored option for healthcare practitioners in need of efficient diagnostic instruments across diverse clinical settings.

The tabletop pupillometer segment is expected to achieve the fastest growth rate, with a CAGR of 18% by 2032. These devices are becoming more common in specialized clinical environments, appreciated for their superior imaging features, high accuracy, and capacity to integrate effortlessly with hospital systems. This combination enables more thorough patient observation, positioning tabletop pupillometers as a quickly growing segment in the market.

By Type

In 2023, the ophthalmology applications segment dominated the market, representing more than 40% of the market share. Pupillometers are widely utilized in both preoperative and postoperative assessments, along with the treatment of glaucoma and cataract procedures. Their capacity to notice even slight alterations in pupil behavior greatly improves diagnostic precision, resulting in their extensive use in ophthalmology.

The neurology applications segment is expected to experience the most rapid expansion, with a projected CAGR of 22% until 2032. More and more, neurologists are utilizing pupillometers to evaluate brain injuries, the severity of concussions, and various neurological conditions. The increasing focus on the prompt identification and observation of brain injuries is boosting the demand for pupillometers in neurology, positioning it as the most rapidly expanding segment in

the market.

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Pupillometer Market Segmentation

By Modality

- Handheld Pupillometer
- Table Top Pupillometer

By Type

- Digital Pupillometer
- Video Pupillometer

By Application

- Ophthalmology
- Neurology
- Other Applications

By End User

- Hospitals
- Eye Clinics
- Other End Users

Regional Analysis

In 2023, North America dominated the pupillometer market with the United States and Canada propelling the region's leadership. The robust healthcare system, increased recognition of neurological disorders, and significant funding for cutting-edge medical technologies have enhanced the utilization of pupillometers. Hospitals and intensive care units in the area are increasingly depending on these devices for quick and precise evaluations of issues such as traumatic brain injury and stroke. Moreover, North America's strong research and development sector continues to enhance innovation in pupillometer technology, further propelling market expansion.

The Asia-Pacific region is seeing swift expansion, becoming the fastest-growing pupillometers market. This expansion is linked to the development of healthcare infrastructure, growing healthcare spending, and heightened awareness of neurological disorders. Nations like China, Japan, and India are focusing on enhancing medical equipment, creating considerable chances for market entry. Obstacles like the high cost of devices and restricted access to advanced technologies in rural areas could hinder widespread acceptance in certain regions.

Recent Developments

In March 2023, NeuroOptics demonstrated that its Automated Pupillometry and Neurological

Pupil Index (NPI) could effectively screen emergency room patients for brain or neurological injuries, even in cases of clinical intoxication. A recent study confirmed that these technologies remained unaffected by common intoxicants, ensuring their reliability in emergencies.

In August 2023, engineers at the University of California San Diego unveiled a smartphone attachment designed for low-cost, accurate screening of neurological conditions, including Alzheimer's disease and traumatic brain injury. This innovation provided consistent results across different skin tones, offering the potential to enhance racial equity in neurological assessments.

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