

North America Pupillometer Market By Mobility (Table-top and Hand-held), By End Use (Hospitals, Eye Clinics and Other End uses), By Type (Digital and Video), By Application (Neurology, Ophthalmology, Oncology and other applications), By Country, Industry Analysis and Forecast, 2020 - 2026

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Abstracts

The North America Pupillometer Market would witness market growth of 8.4% CAGR during the forecast period (2020-2026).

Pupillometry is widely used to measure the dilation of the pupil that is beneficial in understanding situations deviating from normal conditions. Several imaging modalities like magnetic resonance imaging and Computerised Tomography have indicated that any change in the activity of the brain shows a direct impact on the dilation of the pupil. Therefore, pupil dilation is measured that benefits in a deep understanding of cognitive processes. Alternatively, individuals suffering from any mental disorder such as anxiety, depression, Parkinson's disease, and Autism have produced an abnormal response of the pupil dilation towards the stimuli. Thus, pupillometry is helpful in understanding the normal function of the eye along with the activity of the brain is impacted by any disease.

Pupil dilation offers clues that are helpful in understanding the lives of people who have neurological disorders. The results of Pupillometry is beneficial in designing physiological treatment. The pupillometer results are a very effective option to decide the treatment for an individual suffering from a mental disorder. This ultimately improves the results of the diagnosis, thus, ensure an increased rate of recovery. Moreover, pupillometry can be combined with other processes that will improve the diagnosis of neurological disease. Brain-computer Interface (BCI), if used along with pupil dilation study then it will improve the results since an additional signal is added which will be

helpful to understand the brain signals.

The American Association of Neurological Surgeons as well as the Brain Trauma Foundation has recommended the practice of the pupillary light reflex done for each eye and uses it as a prognostic parameter. In patients with neurological injury, pupillometry is done that helps in enabling the measurement of pupil dynamics and accordingly doctors prescribed medications like sedatives, anesthetic, and analgesics agents to the patients. Training and knowledge are provided by various nursing associations regarding pupillometry since this method is becoming a vital assessment process for a neurological analysis. The American Association of Critical-Care Nurses (AACN) has introduced a new section on pupillometry by which nurses are guided for working with automated pupilometer.

Based on Mobility, the market is segmented into Table-top and Hand-held. Based on End Use, the market is segmented into Hospitals, Eye Clinics and Other End uses. Based on Type, the market is segmented into Digital and Video. Based on Application, the market is segmented into Neurology, Ophthalmology, Oncology and other applications. Based on countries, the market is segmented into U.S., Mexico, Canada, and Rest of North America.

The market research report covers the analysis of key stake holders of the market. Key companies profiled in the report include Johnson and Johnson (Johnson and Johnson Vision Care, Inc.), EssilorLuxottica SA (Essilor Instruments USA), Konan Medical USA, Inc. (Konan Medical, Inc.), Nidek Co., Ltd., Brightlamp, Inc., U.S. Ophthalmic, L.L.C., SCHWIND Eye-Tech-Solutions GmbH, Adaptica S.r.l (He Vision Group), Visionix Ltd. (The Luneau Technology Group) and NeurOptics, Inc.

Scope of the Study

Market Segmentation:

By Mobility

Table-top

Hand-held

By End Use

Hospitals

Eye Clinics

Other End uses

By Type

Digital

Video

By Application

Neurology

Ophthalmology

Oncology

other applications

By Country

US

Canada

Mexico

Rest of North America

Companies Profiled

Johnson and Johnson (Johnson and Johnson Vision Care, Inc.)

EssilorLuxottica SA (Essilor Instruments USA)

Konan Medical USA, Inc. (Konan Medical, Inc.)

Nidek Co., Ltd.

Brightlamp, Inc.

U.S. Ophthalmic, L.L.C.

SCHWIND Eye-Tech-Solutions GmbH

Adaptica S.r.l (He Vision Group)

Visionix Ltd. (The Luneau Technology Group)

NeurOptics, Inc.

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