

North America Bionic Eye Market By Technology (Electronic and Mechanical), By End Use (Hospitals, Eye Clinics and Other End uses), By Type (Implanted Eye and External Eye), By Country, Industry Analysis and Forecast, 2020 - 2026

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Abstracts

The North America Bionic Eye Market would witness market growth of 13.1% CAGR during the forecast period (2020-2026).

A visual prosthesis also referred to as a bionic eye, is a new visual device proposed to restore the functional vision of the defected eye of the patient who has lost complete or partial vision of the eye. Many such devices have developed from the past few years, such as the cochlear implant, bionic ear devices, on the basis of this model, visual prosthetics have been developed as a possibly valuable aid for individuals who suffer from the loss of eyesight.

A wireless telemetry system is developed to eradicate the need for transcranial wires. In Bionic Eye, external hardware is connected that capture images, process them, and create instructions that are transmitted to the implanted circuit through a telemetry link. So Bionic Eye has been developed as a wearable external system that captures and processes the image, this system is accompanied by the implanted circuitry. A bionic eye is different from the prosthetic eye. In prosthetic eyes, the main organ is replaced by the physical structure. while in Bionic eye implants, don't require removal of the organ, it works along with the existing eye structures. They are designed in such a way to restore the functional vision of the eye.

Based on Technology, the market is segmented into Electronic and Mechanical. Based on End Use, the market is segmented into Hospitals, Eye Clinics and Other End uses. Based on Type, the market is segmented into Implanted Eye and External Eye. 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 Second Sight Medical Products, Inc., Pixium Vision S.A., Nidek Co., Ltd., Optobionics Corporation, Biomedical Technologies S.L., Bionic Vision Technologies Pty. Ltd., Monash Vision Group, The Bionic Eye (The Bionic Group), Nano Retina Ltd. and iBionics.

Scope of the Study

Market Segmentation:

By Technology

Electronic

Mechanical

By End Use

Hospitals

Eye Clinics

Other End uses

By Type

Implanted Eye

External Eye

By Country

US

Canada

Mexico

Rest of North America

Companies Profiled

Second Sight Medical Products, Inc.

Pixium Vision S.A.

Nidek Co., Ltd.

Optobionics Corporation

Biomedical Technologies S.L.

Bionic Vision Technologies Pty. Ltd.

Monash Vision Group

The Bionic Eye (The Bionic Group)

Nano Retina Ltd.

iBionics

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