

## NA Smart Contact Lens Market - Industry Trends and Forecast to 2030

Market Report | 2023-04-01 | 148 pages | Data Bridge Market Research

### **AVAILABLE LICENSES:**

- Single User License \$3500.00
- Corporate Users License \$4200.00

#### **Report description:**

The North America smart contact lens market is projected to register a substantial CAGR of 13.6% in the forecast period of 2023 to 2030. The new market report contains data for the historic year 2021, the base year of calculation is 2022, and the forecast period is 2023 to 2030.

Market Segmentation:

North America Smart Contact Lens Market, By Design (Micro-LED Display Contact Lens, Diagnostic Sensor Integrated Contact Lens, Photodetector Contact Lens, Drug Eluding Contact Lenses, Electrochemical Contact Lens Sensors, Light Diffractive Contact Lenses, Fluorescence-Based Contact Lenses, and Others) Material (Poly (2-Hydroxyethyl Methacrylate) (PHEMA), Polyvinyl Alcohol (PVA), Polyacrylamide (PA), Polyethylene Terephthalate (PET), Polydimethylsiloxane (PDMS), and Others), Application (Monitoring, Therapeutics, and Other Application), Usability (Single Use, Extended Use), Technology (Fluorescence-Based Sensing Technology, Holographic Sensing Technology, Colorimetric Based Sensing Technology, Electrochemical-Based Technologies, and Others), Population Type (Pediatric, Adult, and Geriatric), End User (Eye Hospital, Ophthalmology Clinics, Homecare Settings, and others), Distribution Channel (Retail stores, Online Stores, Eye Care Practitioners, and Others), Country (U.S.) Industry Trends and Forecast to 2030

Some of the major factors contributing to the growth of the Asia-Pacific smart contact lens market are:

- Growing prevalence of eye disorders
- Increased consumer awareness for smart contact lens Market Players:

Some of the key market players in the North America smart contact lens market are listed below:

- Sensimed AG
- Innovega Inc.
- InWith Corp
- SAMSUNG
- e-Vision Smart Optics, Inc.
- Mediprint

### Table of Contents:

TABLE OF CONTENTS 1 INTRODUCTION 21 1.1 OBJECTIVES OF THE STUDY 21 **1.2 MARKET DEFINITION 21** 1.3 OVERVIEW OF THE NORTH AMERICA SMART CONTACT LENS MARKET 21 1.4 LIMITATIONS 23 1.5 MARKETS COVERED 23 2 MARKET SEGMENTATION 25 2.1 MARKETS COVERED 25 2.2 GEOGRAPHICAL SCOPE 26 2.3 YEARS CONSIDERED FOR THE STUDY 26 2.4 CURRENCY AND PRICING 26 2.5 DBMR TRIPOD DATA VALIDATION MODEL 27 2.6 MULTIVARIATE MODELLING 30 2.7 DESIGN LIFELINE CURVE 30 2.8 PRIMARY INTERVIEWS WITH KEY OPINION LEADERS 31 2.9 DBMR MARKET POSITION GRID 32 2.10 MARKET APPLICATION COVERAGE GRID 33 2.11 SECONDARY SOURCES 34 2.12 ASSUMPTIONS 34 **3 EXECUTIVE SUMMARY 35 4 PREMIUM INSIGHTS 38** 4.1 PORTER'S FIVE FORCES 39 4.2 PESTEL ANALYSIS 40 4.3 LIST OF TERMINATED/PAUSED PIPELINE PROJECTS 41 4.4 PATENT ANALYSIS 42 4.5 PIPELINE ANALYSIS FOR THE NORTH AMERICA SMART CONTACT LENS MARKET 44 4.6 INDUSTRY INSIGHT 45 **5 NORTH AMERICA SMART CONTACT LENS MARKET: REGULATIONS 46** 6 MARKET OVERVIEW 49 6.1 DRIVERS 51 6.1.1 INCREASE IN PREVALENCE OF REFRACTIVE ERROR 51 6.1.2 RISING CASES OF DIABETIC RETINOPATHY 52 6.1.3 INCREASING R&D ACTIVITIES BY KEY MARKET PLAYERS FOR SMART CONTACT LENS 52 6.1.4 RISE IN THE PREVALENCE OF EYE DISORDER 53 6.2 RESTRAINTS 53 6.2.1 INCREASING SIDE EFFECTS ASSOCIATED WITH CONTACT LENSES 53 6.2.2 GROWING ACCEPTANCE OF REFRACTIVE SURGERIES 54

6.3 OPPORTUNITIES 54

6.3.1 TECHNOLOGICAL ADVANCEMENTS IN CONTACT LENSES 54 6.3.2 INCREASING PREFERENCE FOR CONTACT LENSES INSTEAD OF EYEGLASSES 55 6.4 CHALLENGES 55 6.4.1 SAFETY CONCERNS ASSOCIATED WITH THE USE OF CONTACT LENSES 55 6.4.2 STRICT REGULATIONS AND STANDARDS FOR APPROVAL OF CONTACT LENSES 56 7 NORTH AMERICA SMART CONTACT LENS MARKET, BY DESIGN 57 **7.1 OVERVIEW 58** 7.2 MICRO LED DISPLAY CONTACT LENS 61 7.3 DIAGNOSTIC SENSOR INTEGRATED CONTACT LENS 61 7.4 PHOTODETECTOR CONTACT LENSES 62 7.5 DRUG ELUDING CONTACT LENSES 62 7.6 ELECTROCHEMICAL CONTACT LENS SENSORS 63 7.7 LIGHT DIFFRACTIVE CONTACT LENSES 63 7.8 FLUORESCENCE-BASED CONTACT LENSES 64 7.9 OTHERS 64 8 NORTH AMERICA SMART CONTACT LENS MARKET, BY MATERIAL 65 **8.1 OVERVIEW 66** 8.2 POLY (2-HYDROXYETHYL METHACRYLATE) (PHEMA) 69 8.3 POLYVINYL ALCOHOL (PVA) 69 8.4 POLYACRYLAMIDE (PA) 70 8.5 POLYETHYLENE TEREPHTHALATE (PET) 70 8.6 POLYDIMETHYLSILOXANE (PDMS) 71 8.7 OTHER 72 9 NORTH AMERICA SMART CONTACT LENS MARKET, BY APPLICATION 73 **9.1 OVERVIEW 74** 9.2 MONITORING 77 9.2.1 EYE PRESSURE MONITORING 77 9.2.2 GLUCOSE LEVELS MONITORING 77 9.3 THERAPEUTICS 78 9.3.1 ALLERGY RELIEF 78 9.3.2 CORNEAL INJURY 79 9.3.3 EYE INJURIES 79 9.3.4 OTHER 79 9.4 OTHER APPLICATION 79 9.4.1 FARSIGHTEDNESS 80 9.4.2 AUGMENTED REALITY (AR/VR) 80 9.4.3 NIGHT VISION 80 9.4.4 OTHERS 80 10 NORTH AMERICA SMART CONTACT LENS MARKET, BY USABILITY 81 10.1 OVERVIEW 82 10.2 SINGLE USE 85 10.3 EXTENDED USE 86 11 NORTH AMERICA SMART CONTACT LENS MARKET, BY TECHNOLOGY 87 11.1 OVERVIEW 88 11.2 FLUORESCENCE-BASED SENSING TECHNOLOGY 91 11.3 HOLOGRAPHIC SENSING TECHNOLOGY 92 **11.4 COLORIMETRIC BASED SENSING TECHNOLOGY 93** 

11.5 ELECTROCHEMICAL-BASED TECHNOLOGIES 94 11.6 OTHER 95 12 NORTH AMERICA SMART CONTACT LENS MARKET, BY POPULATION 96 12.1 OVERVIEW 97 12.2 GERIATRIC 100 12.3 ADULT 101 12.4 PEDIATRIC 102 13 NORTH AMERICA SMART CONTACT LENS MARKET, BY END USER 103 13.1 OVERVIEW 104 13.2 EYE HOSPITAL 107 13.3 OPHTHALMOLOGY CLINICS 108 13.4 HOMECARE SETTING 109 13.5 OTHERS 110 14 NORTH AMERICA SMART CONTACT LENS MARKET, BY DISTRIBUTION CHANNEL 111 14.1 OVERVIEW 112 14.2 RETAIL STORES 115 14.2.1 PHARMACIES 115 14.2.2 INDEPENDENT BRAND SHOWROOMS 116 14.2.3 OTHERS 116 14.3 ONLINE STORES 116 14.3.1 E-COMMERCE WEBSITES 117 14.3.2 COMPANY-OWNED WEBSITES 117 14.4 EYE CARE PRACTITIONERS 117 14.5 OTHERS 118 15 NORTH AMERICA SMART CONTACT LENS MARKET, BY REGION 119 15.1 NORTH AMERICA 120 15.1.1 U.S 129 **16 SWOT ANALYSIS 133 17 COMPANY PROFILE 134** 17.1 SENSIMED AG 134 17.1.1 COMPANY SNAPSHOT 134 17.1.2 PRODUCT PORTFOLIO 134 **17.1.3 RECENT DEVELOPMENT 134** 17.2 AZALEA VISION 135 17.2.1 COMPANY SNAPSHOT 135 17.2.2 PRODUCT PORTFOLIO 135 **17.2.3 RECENT DEVELOPMENTS 135** 17.3 E-VISION SMART OPTICS, INC. 136 17.3.1 COMPANY SNAPSHOT 136 17.3.2 PRODUCT PORTFOLIO 136 17.3.3 RECENT DEVELOPMENT 136 17.4 GLAKOLENS BIYOMEDIKAL BIYOTEKNOLOJI SAN. VE TIC. A.S. 137 17.4.1 COMPANY SNAPSHOT 137 17.4.2 PIPELINE PORTFOLIO 137 17.4.3 RECENT DEVELOPMENTS 137 17.5 INNOVEGA INC. 138 17.5.1 COMPANY SNAPSHOT 138

17.5.2 PIPELINE PORTFOLIO 138 17.5.3 RECENT DEVELOPMENTS 138 17.6 INWITH CORP 139 17.6.1 COMPANY SNAPSHOT 139 17.6.2 PIPELINE PORTFOLIO 139 17.6.3 RECENT DEVELOPMENT 139 **17.7 MEDIPRINT 140** 17.7.1 COMPANY SNAPSHOT 140 17.7.2 PRODUCT PORTFOLIO 140 17.7.3 RECENT DEVELOPMENTS 140 17.8 RAAYONNOVA 141 17.8.1 COMPANY SNAPSHOT 141 17.8.2 PRODUCT PORTFOLIO 141 17.8.3 RECENT DEVELOPMENTS 141 17.9 SAMSUNG 142 17.9.1 COMPANY SNAPSHOT 142 17.9.2 REVENUE ANALYSIS 142 17.9.3 PRODUCT PORTFOLIO 143 17.9.4 RECENT DEVELOPMENT 143 18 QUESTIONNAIRE 144 **19 RELATED REPORTS 148** 



# NA Smart Contact Lens Market - Industry Trends and Forecast to 2030

Market Report | 2023-04-01 | 148 pages | Data Bridge Market Research

To place an Order with Scotts International:

- Print this form
- Complete the relevant blank fields and sign
- Send as a scanned email to support@scotts-international.com

#### **ORDER FORM:**

Select license	License	Price
	Single User License	\$3500.00
	Corporate Users License	\$4200.00
	VAT	
	Total	

\*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346. []\*\* VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	Phone*	
First Name*	Last Name*	
Job title*		
Company Name*	EU Vat / Tax ID / NIP number*	
Address*	City*	
Zip Code*	Country*	
	Date	2025-05-04
	Signature	
	Signature	