

North America Head-Up Display Market Industry Trends Forecast to 2026

<https://marketpublishers.com/r/N71D1C6825AEN.html>

Date: January 2019

Pages: 100

Price: US\$ 2,500.00 (Single User License)

ID: N71D1C6825AEN

Abstracts

North America head-up display market is expected to reach a CAGR of 20.2% in the forecast period of 2019 to 2026. The new market report contains data for historic year 2017, the base year of calculation is 2018 and the forecast period is 2019 to 2026.

Market Segmentation

By Type (Conventional HUD and Ar-Based HUD), Technology (Light-Emitting Diode, Cathode Ray Tube, Microelectromechanical System and Optical Waveguide), Component (Video Generator Display Unit, Projector/Projection Unit, Software and Others), Application (Aviation and Automotive), Country (U.S., Canada and Mexico)

Major growing sectors under the market segmentation are as follows:

On the basis of type, the market is segmented into conventional HUD and AR-based HUD. Conventional HUD further is sub-segmented into windshield-based head-up display and combiner-based head-up display.

On the basis of technology, the market is segmented into light-emitting diode, cathode ray tube, microelectromechanical system and optical waveguide.

On the basis of component, the market segmented into video generator, display unit, projector/projection unit, software and others. Display unit is sub-segmented into digital micro mirror device (DMD) display, liquid crystal display (LCD) technology, and liquid crystal silicon technology. Liquid crystal silicon technology is further sub-segmented into ferroelectric LCOS display and nematics LCOS display. Projector/projection unit is sub-segmented into , digital

light processing (DLP) projector, liquid crystal on silicon (LCOS) projector and laser beam steering (LBS) projector.

On the basis of application, the market is segmented into aviation and automotive. Aviation sub-segmented into military aviation and civil aviation. Military aviation is further sub-segmented into aircraft and helicopter. Civil aviation is further sub-segmented into civil aircraft and civil helicopter. Automotive market further is sub-segmented into commercial vehicle and passenger car vehicle.

Key Market Players

The Key Market Players for North America head-up display market are listed below:

Honeywell International Inc

Saab AB

Esterline Technologies Corporation

Heads Up Display, Inc

ROBERT BOSCH GMBH

Garmin Ltd

Continental AG

Thales Group

Nippon Seiki Co., Ltd.

DENSO CORPORATION

Visteon Corporation

BAE Systems

Pioneer Corporation

Delphi Technologies

PANASONIC CORPORATION

Elbit Systems Ltd.

HUDWAY, LLC

EXPLORIDE INC.

HOLOEYE SYSTEMS, INC.

NAV DY

Contents

1 INTRODUCTION

- 1.1 OBJECTIVES OF THE STUDY
- 1.2 MARKET DEFINITION
- 1.3 OVERVIEW OF NORTH AMERICA HEAD-UP DISPLAY MARKET
- 1.4 CURRENCY AND PRICING
- 1.5 LIMITATIONS
- 1.6 MARKETS COVERED

2 MARKET SEGMENTATION

- 2.1 MARKETS COVERED
- 2.2 GEOGRAPHIC SCOPE
- 2.3 YEAR CONSIDERED FOR THE STUDY
- 2.4 CURRENCY AND PRICING
- 2.5 RESEARCH METHODOLOGY
- 2.6 PRIMARY INTERVIEWS WITH KEY OPINION LEADERS
- 2.7 DBMR MARKET POSITION GRID
- 2.8 DBMR MARKET CHALLENGE MATRIX
- 2.9 SECONDARY SOURCES
- 2.10 ASSUMPTIONS

3 MARKET OVERVIEW

- 3.1 DRIVERS
 - 3.1.1 RISING DEMAND FOR CONNECTED VEHICLES
 - 3.1.2 INCREASED AWARENESS REGARDING PASSENGER AND VEHICLE SAFETY
 - 3.1.3 BENEFITS ASSOCIATED WITH THE COMBINATION OF SATELLITE NAVIGATION TECHNOLOGY & HUD SYSTEM AND AUGMENTED REALITY HEAD-UP DISPLAY IN SMART CARS
 - 3.1.4 GROWTH IN ELECTRIC VEHICLES AND NEED OF DIAGNOSTIC DISPLAY LEADING TO INCREASING DEMAND OF AUTOMOBILE DISPLAYS
 - 3.1.5 RISING APPLICATION OF HUD IN AIRCRAFT
- 3.2 RESTRAINTS
 - 3.2.1 FATAL ERRORS IN HUDS
 - 3.2.2 HIGH REQUIREMENTS FOR LIGHT, LUMINESCENCE AND POWER FOR

HEAD UP DISPLAYS

3.3 OPPORTUNITIES

3.3.1 PARADIGM SHIFT TO AUTONOMOUS VEHICLES

3.3.2 NEW TECHNOLOGIES IN HUD SYSTEMS

3.3.3 AR-BASED HUD'S INCREASING DRIVING EXPERIENCE IN PREMIUM VEHICLES

3.4 CHALLENGES

3.4.1 HIGH PRICE POINTS FOR HUD TECHNOLOGY

3.4.2 SUBSTITUTES SUCH AS LASER BASED VOLUMETRIC DISPLAYS

4 EXECUTIVE SUMMARY

5 PREMIUM INSIGHTS

6 NORTH AMERICA HEAD UP DISPLAY MARKET, BY GEOGRAPHY

6.1 NORTH AMERICA

6.1.1 U.S.

6.1.2 CANADA

6.1.3 MEXICO

List Of Tables

LIST OF TABLES

Table 1 EXPECTED ERRORS IN HUD & ITS EFFECTS

Table 2 ENVIRONMENTAL CONDITIONS AND THE APPROXIMATE AMOUNT OF BRIGHTNESS REQUIRED (IN MILLILAMBERTS)

Table 3 NORTH AMERICA HEAD UP DISPLAY MARKET, BY COUNTRY, 2017-2026 (USD MILLION)

Table 4 NORTH AMERICA HEAD UP DISPLAY MARKET, BY TYPE , 2017-2026 (USD MILLION)

Table 5 NORTH AMERICA CONVENTIONAL HEAD UP DISPLAY MARKET, BY TYPE , 2017-2026 (USD MILLION)

Table 6 NORTH AMERICA HEAD UP DISPLAY MARKET, BY TECHNOLOGY , 2017-2026 (USD MILLION)

Table 7 NORTH AMERICA HEAD UP DISPLAY MARKET, BY COMPONENT , 2017-2026 (USD MILLION)

Table 8 NORTH AMERICA DISPLAY UNIT FOR HEAD UP DISPLAY MARKET, BY COMPONENT , 2017-2026 (USD MILLION)

Table 9 NORTH AMERICA LIQUID CRYSTAL TECHNOLOGY FOR HEAD UP DISPLAY MARKET, BY COMPONENT , 2017-2026 (USD MILLION)

Table 10 NORTH AMERICA PROJECTOR/PROJECTION UNIT FOR HEAD UP DISPLAY MARKET, BY COMPONENT , 2017-2026 (USD MILLION)

Table 11 NORTH AMERICA HEAD UP DISPLAY MARKET, BY APPLICATION , 2017-2026 (USD MILLION)

Table 12 NORTH AMERICA AVIATION FOR HEAD UP DISPLAY MARKET, BY APPLICATION , 2017-2026 (USD MILLION)

Table 13 NORTH AMERICA MILITARY AVIATION FOR HEAD UP DISPLAY MARKET, BY APPLICATION , 2017-2026 (USD MILLION)

Table 14 NORTH AMERICA CIVIL AVIATION FOR HEAD UP DISPLAY MARKET, BY APPLICATION, 2017-2026 (USD MILLION)

Table 15 NORTH AMERICA AUTOMOTIVE FOR HEAD UP DISPLAY MARKET, BY APPLICATION , 2017-2026 (USD MILLION)

Table 16 U.S. HEAD UP DISPLAY MARKET, BY TYPE , 2017-2026 (USD MILLION)

Table 17 U.S. CONVENTIONAL HEAD UP DISPLAY MARKET, BY TYPE , 2017-2026 (USD MILLION)

Table 18 U.S. HEAD UP DISPLAY MARKET, BY TECHNOLOGY , 2017-2026 (USD MILLION)

Table 19 U.S. HEAD UP DISPLAY MARKET, BY COMPONENT , 2017-2026 (USD

MILLION)

Table 20 U.S. DISPLAY UNIT FOR HEAD UP DISPLAY MARKET, BY COMPONENT , 2017-2026 (USD MILLION)

Table 21 U.S. LIQUID CRYSTAL TECHNOLOGY FOR HEAD UP DISPLAY MARKET, BY COMPONENT, 2017-2026 (USD MILLION)

Table 22 U.S. PROJECTOR/PROJECTION UNIT FOR HEAD UP DISPLAY MARKET, BY COMPONENT , 2017-2026 (USD MILLION)

Table 23 U.S. HEAD UP DISPLAY MARKET, BY APPLICATION , 2017-2026 (USD MILLION)

Table 24 U.S. AVIATION FOR HEAD UP DISPLAY MARKET, BY APPLICATION , 2017-2026 (USD MILLION)

Table 25 U.S. MILITARY AVIATION FOR HEAD UP DISPLAY MARKET, BY APPLICATION , 2017-2026 (USD MILLION)

Table 26 U.S. CIVIL AVIATION FOR HEAD UP DISPLAY MARKET, BY APPLICATION , 2017-2026 (USD MILLION)

Table 27 U.S. AUTOMOTIVE FOR HEAD UP DISPLAY MARKET, BY APPLICATION, 2017-2026 (USD MILLION)

Table 28 CANADA HEAD UP DISPLAY MARKET, BY TYPE , 2017-2026 (USD MILLION)

Table 29 CANADA HEAD UP DISPLAY MARKET, BY TYPE , 2017-2026 (USD MILLION)

Table 30 CANADA HEAD UP DISPLAY MARKET, BY TECHNOLOGY , 2017-2026 (USD MILLION)

Table 31 CANADA HEAD UP DISPLAY MARKET, BY COMPONENT , 2017-2026 (USD MILLION)

Table 32 CANADA DISPLAY UNIT FOR HEAD UP DISPLAY MARKET, BY COMPONENT , 2017-2026 (USD MILLION)

Table 33 CANADA LIQUID CRYSTAL TECHNOLOGY FOR HEAD UP DISPLAY MARKET, BY COMPONENT, 2017-2026 (USD MILLION)

Table 34 CANADA PROJECTOR/PROJECTION UNIT FOR HEAD UP DISPLAY MARKET, BY COMPONENT, 2017-2026 (USD MILLION)

Table 35 CANADA HEAD UP DISPLAY MARKET, BY APPLICATION, 2017-2026 (USD MILLION)

Table 36 CANADA AVIATION FOR HEAD UP DISPLAY MARKET, BY APPLICATION, 2017-2026 (USD MILLION)

Table 37 CANADA MILITARY AVIATION FOR HEAD UP DISPLAY MARKET, BY APPLICATION, 2017-2026 (USD MILLION)

Table 38 CANADA CIVIL AVIATION FOR HEAD UP DISPLAY MARKET, BY APPLICATION , 2017-2026 (USD MILLION)

Table 39 CANADA AUTOMOTIVE FOR HEAD UP DISPLAY MARKET, BY APPLICATION , 2017-2026 (USD MILLION)

Table 40 MEXICO HEAD UP DISPLAY MARKET, BY TYPE , 2017-2026 (USD MILLION)

Table 41 MEXICO HEAD UP DISPLAY MARKET, BY TYPE , 2017-2026 (USD MILLION)

Table 42 MEXICO HEAD UP DISPLAY MARKET, BY TECHNOLOGY , 2017-2026 (USD MILLION)

Table 43 MEXICO HEAD UP DISPLAY MARKET, BY COMPONENT , 2017-2026 (USD MILLION)

Table 44 MEXICO DISPLAY UNIT FOR HEAD UP DISPLAY MARKET, BY COMPONENT , 2017-2026 (USD MILLION)

Table 45 MEXICO PROJECTOR/PROJECTION UNIT FOR HEAD UP DISPLAY MARKET, BY COMPONENT , 2017-2026 (USD MILLION)

Table 46 MEXICO HEAD UP DISPLAY MARKET, BY APPLICATION , 2017-2026 (USD MILLION)

Table 47 MEXICO AVIATION FOR HEAD UP DISPLAY MARKET, BY APPLICATION, 2017-2026 (USD MILLION)

Table 48 MEXICO MILITARY AVIATION FOR HEAD UP DISPLAY MARKET, BY APPLICATION, 2017-2026 (USD MILLION)

Table 49 MEXICO CIVIL AVIATION FOR HEAD UP DISPLAY MARKET, BY APPLICATION, 2017-2026 (USD MILLION)

Table 50 MEXICO AUTOMOTIVE FOR HEAD UP DISPLAY MARKET, BY APPLICATION, 2017-2026 (USD MILLION)

List Of Figures

LIST OF FIGURES

Figure 1 NORTH AMERICA HEAD-UP DISPLAY MARKET: SEGMENTATION

Figure 2 NORTH AMERICA HEAD-UP DISPLAY MARKET: DATA TRIANGULATION

Figure 3 NORTH AMERICA HEAD-UP DISPLAY MARKET: RESEARCH SNAPSHOT

Figure 4 NORTH AMERICA HEAD-UP DISPLAY MARKET BOTTOM UP APPROACH

Figure 5 NORTH AMERICA HEAD-UP DISPLAY MARKET TOP DOWN APPROACH

Figure 6 NORTH AMERICA HEAD-UP DISPLAY MARKET: INTERVIEW
DEMOGRAPHICS

Figure 7 NORTH AMERICA HEAD-UP DISPLAY MARKET: DBMR MARKET
POSITION GRID

Figure 8 NORTH AMERICA HEAD-UP DISPLAY MARKET: THE MARKET
CHALLENGE MATRIX

Figure 9 DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES OF
NORTH AMERICA HEAD-UP DISPLAY MARKET

Figure 10 NORTH AMERICA HEAD-UP DISPLAY MARKET: SEGMENTATION

Figure 11 NORTH AMERICA IS EXPECTED TO DOMINATE THE MARKET FOR
HEAD-UP DISPLAY MARKET WHEREAS ASIA PACIFIC IS EXPECTED TO BE
GROWING WITH THE HIGHEST CAGR IN THE FORECAST PERIOD FROM 2019 TO
2026

Figure 12 INCREASING QUALITY INSPECTION IN AUTOMATION IS EXPECTED TO
DRIVE THE MARKET FOR HEAD-UP DISPLAY MARKET IN THE FORECAST
PERIOD 2019 TO 2026

Figure 13 CONVENTIONAL HUD SEGMENT IS EXPECTED TO ACCOUNT FOR THE
LARGEST SHARE OF THE NORTH AMERICA HEAD-UP DISPLAY MARKET IN 2019
& 2026

Figure 14 NORTH AMERICA HEAD UP DISPLAY MARKET: SNAPSHOT (2018)

Figure 15 NORTH AMERICA HEAD UP DISPLAY MARKET: BY COUNTRY (2018)

Figure 16 NORTH AMERICA HEAD UP DISPLAY MARKET: BY COUNTRY (2019 &
2026)

Figure 17 NORTH AMERICA HEAD UP DISPLAY MARKET, BY COUNTRY (2018 &
2026)

Figure 18 NORTH AMERICA HEAD UP DISPLAY MARKET, BY TYPE (2019 -2026)

I would like to order

Product name: North America Head-Up Display Market Industry Trends Forecast to 2026

Product link: <https://marketpublishers.com/r/N71D1C6825AEN.html>

Price: US\$ 2,500.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/N71D1C6825AEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970