

The Impact of Voice on the Smart Home

https://marketpublishers.com/r/I22EF67412EEN.html

Date: June 2018

Pages: 57

Price: US\$ 7,500.00 (Single User License)

ID: I22EF67412EEN

Abstracts

Voice provides frictionless access to the vast computing and information resources on the Internet and will be an essential part of the smart home of the future. Therefore, manufacturers and service providers must decide what voice-enabled use cases, products, and services will provide the greatest consumer benefit. This research quantifies the opportunity for voice integration and broader voice-enabled services for smart home products and services.



Contents

1. REPORT SUMMARY

- 1.1 Purpose of Report
- 1.2 Key Burning Questions Addressed by this Research
- 1.3 Research Approach/Sources

2. BEYOND CONNECTED TO A SMARTER HOME

- 2.1 Forms of Artificial Intelligence
- 2.2 Voice and NLP Drive Growth in the Smart Home
- 2.3 Data Sources

3. VALUE CHAIN OF ARTIFICIAL INTELLIGENCE TOOLS

- 3.1 Public Clouds and Al Development Tools
- 3.2 Software-as-a-Service/Al-as-a-Service Solutions

4. AI APPLICATIONS IN SMART HOME VERTICAL MARKETS

- 4.1 Professional and Self-monitored Security
 - 4.1.1 Video Analytics
 - 4.1.2 Audio Analytics
 - 4.1.3 Anomalous Security Behavior
 - 4.1.4 Challenges and Evolution
- 4.2 Smart Home Automation
 - 4.2.1 Predictive and Personalized Automation
 - 4.2.2 Predictive Maintenance
 - 4.2.3 Challenges and Evolution
- 4.3 Digital Health
 - 4.3.1 Remote Patient Management and Virtual Care
 - 4.3.2 Independent Living
 - 4.3.3 Chronic Disease Management
 - 4.3.4 Challenges and Evolution
- 4.4 Energy and Water Management
 - 4.4.1 Learning Thermostats
 - 4.4.2 Home Energy and Water Disaggregation
 - 4.4.3 Appliance Fault Detection and Fire Hazards



- 4.4.4 Challenges and Evolution
- 4.5 Secure Networking
 - 4.5.1 Al for Device Identification
 - 4.5.2 Al for Endpoint and Network Security
 - 4.5.3 Al for Parental Controls
 - 4.5.4 Challenges and Evolution

5. IMPLICATIONS AND RECOMMENDATIONS

6. APPENDIX

- 6.1 Glossary
- 6.2 Index
- 6.3 Image Sources



List Of Figures

LIST OF FIGURES

Simplified Architecture for NLP System

Voice-first Ecosystem

Smart Speaker Penetration of U.S. Broadband Households

Smart Speaker Ownership by Brand

Smart Speaker Ownership by Model

Importance of Smart Home Device Purchase Considerations

Data Sources for AI Applications

Al Stack in the Public Cloud

Al Development Tools

Forecast of Annual Revenue for Professionally Monitored Security (2018 – 2022)

Company Profile - IntelliVision

Appeal of Home and Personal Security Use Cases

Forecast - New Smart Home Controller Revenue by Channel (2017 ? 2022)

DIKW Model of Data Value Extraction

Company Profile - Vivint Smart Home

Company Profile – People Power Company

Trends in Consumer Health Concerns

Number of Connected Health Devices Owned

Company Profile - Care Innovations

Helpfulness of Energy Information

Company Profile - Bidgely

Consumer Concerns about Hacking of Smart Products

Company Profile - Cujo Al



I would like to order

Product name: The Impact of Voice on the Smart Home

Product link: https://marketpublishers.com/r/l22EF67412EEN.html

Price: US\$ 7,500.00 (Single User License / Electronic Delivery)

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

Service:

info@marketpublishers.com

Payment

First name:

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/l22EF67412EEN.html

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

Last name:	
Email:	
Company:	
Address:	
City:	
Zip code:	
Country:	
Tel:	
Fax:	
Your message:	
	**All fields are required
	Custumer 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