

Development and Opportunity of Facial Recognition Technology in Transport Industry

<https://marketpublishers.com/r/D667EC88029EN.html>

Date: January 2018

Pages: 30

Price: US\$ 1,600.00 (Single User License)

ID: D667EC88029EN

Abstracts

The public transportation and infrastructure sectors in the transport industry are characterized with a constant crowd flow and a large number of foreign visitors. In order to smooth out the flow of crowds and protect national security and tourists, biometric recognition technology that can shorten immigration inspection time and track suspects is increasingly needed, especially after the 9/11 terrorism attack. The biometric recognition technology currently employed by the transport industry for identification relies on biometric traits such as fingerprint, iris, and facial data. This report looks into a variety of application cases to analyze the use of facial recognition technology in the transport industry and the potential of the technology.

Contents

1. INTRODUCTION TO FACIAL RECOGNITION TECHNOLOGY

2. APPLICATION CASES OF FACIAL RECOGNITION TECHNOLOGY IN TRANSPORT INDUSTRY

2.1 Transport Management System

2.1.1 Immigration Inspection: Automated Gate System at Japanese Narita Airport

2.1.2 Crime Tracking: Security System at China's Hohhot Railway Bureau

2.2 Air Transport Industry

2.2.1 Passage Management: KLM's Boarding System

2.3 Land Transport Industry

2.3.1 Crime Prevention: Uber's Driver Verification System in the US

2.3.2 Permission Management: Chinese Didi Chuxing's Car Rental System

2.4 Car and Automotive Electronics Industries

2.4.1 Driver Alerts: Japanese Omron's Driver Concentration Sensing Technology

2.4.2 Behavior Analysis: German Bosch's Concept Car

3. APPLICATION OF FACIAL RECOGNITION IN THE TRANSPORT INDUSTRY

3.1 Mainly Used in Public Transport and Infrastructure for ID Authentication Purposes

3.2 Online Car Hailing Service Providers Use Facial Recognition to Prevent Crimes

3.3 Car Industry Widely Use Facial Recognition for Car Design

4. OPPORTUNITIES OF FACIAL RECOGNITION IN THE TRANSPORT INDUSTRY

4.1 National Policies Accelerate the Adoption of Facial Recognition in Public Transport Worldwide

4.1.1 Facial Recognition Leapfrogs Ahead as Iris and Fingerprint Recognition Fail to Meet Expectations

4.1.2 ICAO's Implementation Ensures Facial Recognition Development

4.1.3 Adoption of Facial Recognition from Passports to e-Gate Systems is Progressively Done

4.2 Smart Cars Create New Opportunity for Facial Recognition

5. CONCLUSION

5.1 Demand for Driverless Cars and Smart Driver Assistance Systems Expands Facial Recognition Applications

5.2 Emergence of Service-oriented Business Model Spurs Verification Demand

APPENDIX

List Of Tables

LIST OF TABLES

Table 1 Facial Recognition Applications in the Transport Industry Worldwide

Table 2 National Policies and Programs for Biometric Identification Systems

Table 3 Automotive Product Manufactures and Their Biometric Technology

List Of Figures

LIST OF FIGURES

Figure 1 Applications of Facial Recognition Technology

Figure 2 Renting Process of DiDi Car Rental

Figure 3 Omron's Driver Concentration Sensing Technology

LIST OF COMPANIES

Advicy Drive

Affectiva

Alibaba

Apple

Beijing Xiaoju Technology

BMW

Bosch

British Airway

Careem

Craft Silicon

Denso

Didi Chuxing

Empatica

Fiat Chrysler Automobiles

Ford

Gentex

Gestigon

Grab

Honda

Jaguar Land Rover

KLM Royal Dutch Airlines

Lexus

Media Lab

Omron

Outerspace Design

Panasonic

Sober Steering

Softbank

Synaptics

Tencent
Thanko
Uber
Vigo
VoicalZoo

I would like to order

Product name: Development and Opportunity of Facial Recognition Technology in Transport Industry

Product link: <https://marketpublishers.com/r/D667EC88029EN.html>

Price: US\$ 1,600.00 (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/D667EC88029EN.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