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Biometrics: Market Shares, Market Strategies, and Market Forecasts, 2015 to 2021

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Abstracts

LEXINGTON, Massachusetts (October 3, 2015) – WinterGreen Research announces that it has published a new study Biometrics: Market Shares, Strategy, and Forecasts, Worldwide, 2015 to 2021. Next generation biometrics implements smart devices that leverage better technology, they support high quality data gathering in the specific milieu in which they are being used. Devices are targeted to specific situations. Hybrid devices increase identification accuracy by combining two or several technologies and approaches to the market. The study has 1003 pages and Biometric identity units provide security protection from a variety of perspectives. Units are comprised of integrated biometric capture devices. Biometrics is used to identify anyone in an accurate, repeatable manner. Physiological characteristics used for biometrics commonly include the face, fingerprints, voice, and DNA. Modern biometrics hybrid fingerprint recognition use onboard fingerprint readers. Mobile devices use capacitive technology to implement security systems Growth of biometrics security systems is being fueled by rising threats. Different portable device implementations have given rise to multiple technology breakthroughs in size, weights, and length of battery use.

Modern biometrics hybrid fingerprint recognition use onboard fingerprint readers. Mobile devices use capacitive technology to implement security systems Growth of biometrics security systems is being fueled by rising threats. Different portable device implementations have given rise to multiple technology breakthroughs in size, weights, and length of battery use.

Biometrics is used to identify people in an accurate, repeatable manner. Physiological characteristics used for biometrics include the face, fingerprints, and DNA. Developments relate to the ability to unobtrusively collect face and voice biometrics, supplementing fingerprinting that has been dominant . Biometrics technology measures

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personal physiological characteristics for the purpose of unique identification and security.

Apple advanced the OS X 'Quick Look' feature for iOS devices using an intense touch gesture. Apple extended fingerprint technology as Touch ID. iDevice displays are taking on fingerprinting capabilities and sensitivities beyond the home button. Apple introduces the possible use of virtual knobs, controlling video games via the home button.

Apple is working on assigning different bank accounts to different fingerprints. Apple next-gen touch panel technology introduces the next wave of biometric capabilities. Apple next-gen touch panel technology using nano silver wire materials brings sensitivity to iPad displays. The technology finds its way into the Apple watch and the iPhone. This technology gives Apple significant market advantage in the payment verification market.

TYPES OF BIOMETRIC DEVICES

Automated fingerprint identification systems (AFIS)

Palm and vein reading systems that supplement AFIS

Non-automated fingerprint identification systems

Facial recognition

Iris scans

Integrated AFIS, face, and iris systems

DNA readers

Biometric signatures

Data encoders

Bar coder

Document scanner

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Biometric identity units provide security protection. Units are comprised of integrated biometric capture devices and readers, systems to store and use the biometric identifiers. Biometrics units are comprised of fingerprint systems, facial recognition, iris scans, and biometric signatures. They include data encoders. Data encoders may be implemented as a bar coder or document scanner. Units are sometimes contained in ruggedized briefcases for military, public safety, and civil identification applications.

Advances in technology, miniaturization, and improved mobile device technology enable uses previously thought impossible, or never even imagined. Voter registration in low-literacy economies is now economical. Identifying persons of interest in a crowd can be done with biometrics.

Growth of biometric technologies has been in response to global security threats. Terrorist attacks, airport security initiatives, and attempts to lower crime rates have brought an increasing investment in biometric security systems. Government projects include ePassports, eDriving licenses, border management, and national IDs. These initiatives have been implemented in developed countries.

A rise in government projects has been seen as terrorists become an increasing threat. This has been accompanied by increasing data security concerns. There is a need for advanced security devices.

Biometrics use cases can be consumer- or citizen-facing. These use cases are typically high-volume, low price broadly implemented systems. Enterprise-facing use cases include government law enforcement, and defense applications where an organization is implementing smaller volumes of devices, or where the devices are more expensive. Use cases define the biometrics market. Biometrics is used to identify individuals with confidence. When used in law enforcement, cases are resolved quicker and with more convictions of guilty people.

Security systems implementations drive the market for biometric systems. Biometric data protection is being used to replace photographs, passwords and PIN codes.

India, Mexico and Russia are driving the extraordinary growth of biometric systems. China has a biometric national ID program that commenced in 2013. India is getting on board. Computer storage of important documents has created an increasing need for biometric security systems.

Key industries in the biometrics market are finance, consumer devices, and healthcare.

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Key use cases include smart phone payment systems, consumer device authentication, mobile banking, automated teller machines (cashpoints), government IT systems, point-of-sale transactions, pharmacy dispensing, and wearable device authentication. Call center use cases apply across nearly all industries.

Biometric modalities include hybrid fingerprint / palm print, facial recognition, iris image, and voice recognition. The global biometrics market is $7.0 billion in 2014, rising to $44.2 billion by 2021. Biometrics revenue and device shipment forecasts are segmented by modality and market segment. There are four market segments, law enforcement, border control which includes government ID systems, workplace access, and consumer ID.

According to Susan Eustis, leader of the team that prepared the study, “Biometrics represent a multi-billion dollar industry because the devices provide personal identity protection. Biometrics is used by civil authorities to permit the organization of people into units of government that are a cohesive group of people, not intruded upon by outsiders. Biometrics provides a cornerstone of law enforcement agencies with fingerprint ID.”

WinterGreen Research is an independent research organization funded by the sale of market research studies all over the world and by the implementation of ROI models that are used to calculate the total cost of ownership of equipment, services, and software. The company has 35 distributors worldwide, including Global Information Info Shop, Market Research.com, Research and Markets, Bloomberg, electronics.ca, and Thompson Financial. WinterGreen Research is positioned to help customers facing challenges that define the modern enterprises. The increasingly global nature of science, technology and engineering is a reflection of the implementation of the globally integrated enterprise. Customers trust wintergreen research to work alongside them to ensure the success of the participation in a particular market segment.

WinterGreen Research supports various market segment programs; provides trusted technical services to the marketing departments. It carries out accurate market share and forecast analysis services for a range of commercial and government customers globally. These are all vital market research support solutions requiring trust and integrity.

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Faster and more convenient than passwords
Complete SDK for rapid implementation

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About

WinterGreen Research announces that it has published a new study Biometrics: Market Shares, Strategy, and Forecasts, Worldwide, 2013 to 2019. The 2013 study has 563 pages, 249 tables and figures. Worldwide markets are poised to achieve significant growth. As people use electronics in their personal life more, protection of individual information becomes a more compelling problem. Biometrics devices protect individual information.

Biometric identity units provide security protection. Units are comprised of integrated biometric capture devices. Biometrics is used to identify anyone in an accurate, repeatable manner. Physiological characteristics used for biometrics commonly include the face, fingerprints, and DNA. Behavioral characteristics include the user's digital signature, his or her voiceprint, and walk.

As law enforcement programs are redesigned to include information from social media and to initiate smarter cities initiatives, biometrics becomes a more compelling technology, both fingerprinting and facial recognition. Technologies. With the worldwide rise in the threat of terror, biometric systems become a more compelling tool in the hands of the authorities charged with keeping populations safe.

A rise in government projects has been seen as terrorists become an increasing threat. This has been accompanied by increasing data security concerns. There is a need for advanced security devices. Security systems implementations drive the market for biometric systems. Biometric data protection is being used to replace photographs, passwords and PIN codes.

Growth of biometric technologies has been in response to global security threats. Terrorist attacks, airport security initiatives, and attempts to lower crime rates have brought an increasing investment in biometric security systems. Government projects include ePassports, eDriving licenses, border management, and national IDs. These initiatives have been implemented in developed countries.

India, Mexico and Russia are driving the extraordinary growth of biometric systems. China has a biometric national ID program that commenced in 2013. Computer storage of important documents has created an increasing need for biometric security systems.

The global biometrics market is at $5.2 billion in 2012 anticipated to reach $16.7 billion

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by 2019. Market growth is a result of demand for protection of individual information and for the needs of organization to control access to documents and to areas.

According to Susan Eustis, lead author of the WinterGreen Research team that prepared the study, “Biometric devices represent a major factor impacting law enforcement and border patrol markets. Governments and law enforcement agencies are leveraging biometric devices to strengthen all aspects of citizen protection. Healthcare organizations are implementing biometric systems to provide patient privacy.”

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