

Law Enforcement Robots: Market Shares, Market Strategies, and Market Forecasts, 2016 to 2022

<https://marketpublishers.com/r/L46E97C3269EN.html>

Date: July 2016

Pages: 649

Price: US\$ 4,100.00 (Single User License)

ID: L46E97C3269EN

Abstracts

LEXINGTON, Massachusetts (July 20, 2016) – WinterGreen Research announces that it has published a new study Law Enforcement Robots: Market Shares, Strategy, and Forecasts, Worldwide, 2016 to 2022. Next generation law enforcement robots are being implemented as platforms. Platforms are useful for accepting a range of components quickly to repurpose units on the fly. Law enforcement robots leverage better materials, more sophisticated designs, software technology, and tablet remote controls. They are communication devices that support high quality data gathering. Communications are implemented in difficult situations. The study has 649 pages and 327 tables and figures.

Law enforcement robotics are slated to increase in value to cities and local communities providing low cost protection and high value capabilities. With the active threat of terrorists attacking civilian populations in every country, law enforcement has become the new military. As terrorists operate outside nationalistic borders and infiltrate into the community, robot systems are needed by local police forces, not just the military. The national priority in every country is to increase the budgets for regional and local law enforcement robotic response.

Response to emergency situations with robots include response to natural disasters, hostage taking, barricaded law breakers, and terrorists. These situations have not been a problem inside local communities, previously dealt with by national authorities.

With the rise of international terrorism, experienced through the news media in most local communities and cities, the threat of local terrorism is becoming more real and unfortunately more common. The robots offer a level of protection to the human by letting the police officers do some of their job remotely. Law enforcement robots are mobile automated process platforms that are responsive to homeland security needs.

They are emerging in the context of globalization and smart phone devices that provide connectedness in every aspect of people and things worldwide. Law enforcement robots are evolving in the context of the smart phone apps that support the systems of engagement. This global aspect of the law enforcement robots means that the devices have a presence in every part of the world.

Law enforcement robots are inherently local, they are used locally, they are needed by security personnel in particularly dangerous local situations. Systems of engagement apps are evolving as specially designed ground robot networks used to address terrorism and local law enforcement and fire department needs to support community and cities safety patrol.

Bomb squads need robots, they need robot technology, more flexibility, better maneuverability. The robots can be tuned to the specific activity in which they are being used. Modular systems represent platform technology of choice for robots. Modules can be highly targeted to specific situations. Robots make police organizations more functional. Robots improve performance, they work remotely.

According to Susan Eustis, leader of the team that prepared the study, “Robots for law enforcement rely on maneuverability. Security technology is becoming mobile, changing the old security camera approach to allowing a more proactive approach to security. The robot can go out and look around.”

The aim of using law enforcement robots is to secure the safety of the officers in the field. Robots are pretty good at this as it turns out. Police are forced to function in dangerous situations. Law enforcement robots make a manned police force able to function more effectively. Robots can carry video cameras.

Video facilitates communicating with a dangerous criminal.

Law enforcement robots have become more affordable. Market growth comes from economies of scale that bring the lower costs for more functionality.

Law enforcement robot markets at \$1 billion in 2015 are anticipated to reach \$5.7 billion by 2022. Market growth comes as every law enforcement agency faces the prospect of dealing with terrorists. With technology maturity and economies of scale, price points decline rapidly and affordability continues to drive significant market growth. The companies that have achieved measurable market share early in the evolution of the market are likely to maintain a strong presence in markets.

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