

Connected Video Cameras

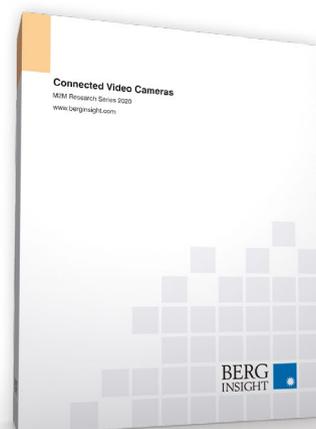


Connected Video Cameras is a comprehensive report from Berg Insight analysing the latest developments in the following five application areas: city surveillance; commercial buildings and industrial site surveillance; smart home security cameras; body-worn cameras; and video telematics for commercial vehicles.

This strategic research report from Berg Insight provides you with 190 pages of unique business intelligence including 5-year industry forecasts and expert commentary on which to base your business decisions.

Highlights from this report:

- **Insights** from 30 executive interviews with market leading companies.
- **Comprehensive overview** of the connected video camera applications and associated concepts.
- **Summary** of the connected video camera markets in Europe and North America.
- **In-depth analysis** of market trends and key developments.
- **Updated profiles** of 60 companies offering connected video cameras.
- **Detailed** market forecasts by segment lasting until 2024.



Order now!

Please visit our web site to order this report and find more information about our other titles at www.berginsight.com

Berg Insight's M2M Research Series

What are the key business opportunities in the emerging wireless M2M/IoT market? Berg Insight's M2M Research Series is a unique series of 40 market reports published on a regular basis. Each title offers detailed analysis of a specific vertical application area such as smart homes, smart metering, fleet management and car telematics, or covers horizontal topics including IoT platforms, software, hardware, IoT connectivity statistics and the mobile operators' IoT strategies.

www.berginsight.com

See inside for further details →



The market value of connected video cameras in North America and Europe reached € 12.3 billion in 2019

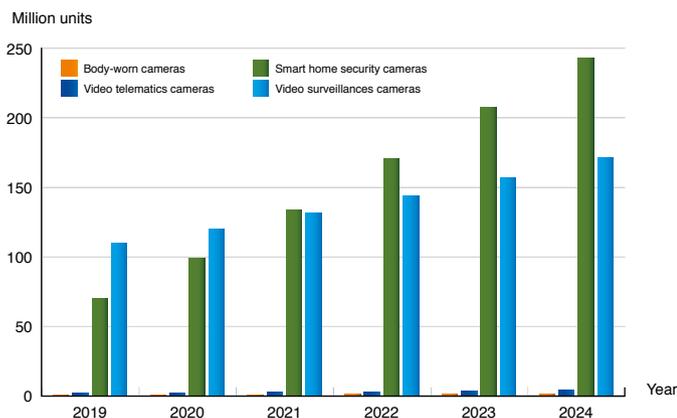
Connected video cameras can be useful in a wide range of applications from surveillance and business optimization to recreational activities. This report focuses primarily on connected video cameras used for surveillance, security and safety applications for consumers and businesses. These types of video cameras help protect people and property such as homes, commercial buildings and industrial sites. The recorded video material can also be used for accountability and as evidence in the criminal justice system or to settle insurance claims. Video footage can be recorded and stored on the device or be streamed to a remote location for storage and viewing. Live video streaming allows for immediate notification and response to incidents. The connectivity technologies used for transferring video footage are mainly Ethernet and Wi-Fi while cellular technologies (3G/4G/5G) is so far used to a smaller extent. This study investigates connected video cameras in the following five application areas: city surveillance; commercial buildings and industrial site surveillance; smart home security cameras; body-worn cameras; and video telematics for commercial vehicles.

The global market for video surveillance systems used in city surveillance applications and for protection of commercial buildings and industrial sites was worth an estimated € 21.9 billion in 2019. This number is forecasted to grow at a CAGR of 12.0 percent to reach € 38.0 billion in 2024. The market value includes networked hardware systems for video surveillance and associated software systems, which are installed in both the public and private sectors. China has grown to become the largest market for video surveillance equipment and is estimated to account for over 40 percent of the global market value. In 2019, the European market for video surveillance equipment was worth € 3.5 billion, accounting for 16 percent of the total global value, while the North American market amounted to € 5.1 billion, representing around 23 percent of the worldwide market. Leading video surveillance vendors include the major Chinese vendors Hikvision and Dahua Technology, Swedish Axis Communications as well as large US and European corporations such as Honeywell, Bosch and Tyco (Johnson Controls). ►

► The market for connected home security cameras is served by primarily two types of actors – home security system providers and standalone security camera manufacturers. Berg Insight estimates that the market value for smart home security cameras in North America and Europe reached € 2.7 billion in 2019. The US market is larger than the European, accounting for close to 80 percent of the total market value in the two regions. The market is mainly driven by vendors of standalone cameras such as Amazon, Google Nest, Arlo Technologies and Wyze Labs. Professional security companies such as ADT and Vivint, as well as DIY home security system vendors such as SimpliSafe and Frontpoint Security experience increasing uptake of security cameras as part of wider home security systems.

Law enforcement is the leading market segment for body-worn cameras (BWC). The use of BWCs in other areas such as private security, construction, logistics, healthcare and retail have so far been rather limited but holds great potential as the total addressable market is large. Berg Insight estimates that the total revenues generated in the BWC market in North America and Europe amounted to € 363 million in 2019. The North American market is substantially larger than the European, accounting for about 70 percent of the total revenues. The market comprises a wide range of manufacturers from different industry sectors, including US based providers Axon, Digital Ally, Getac Video Solutions, Pro-Vision, Utility Associates, Wolfcom and Motorola solutions. Europe-based providers include Digital Barriers, Pinnacle Response, Reveal Media, SoloProtect, WCCTV and Zepcam.

The video telematics market is served by a number of different types of players, including vendors focused specifically on video telematics solutions for various commercial vehicles, general fleet telematics players and hardware-focused suppliers. Berg Insight ranks Streamax, Lytx and Samsara as the leading video telematics players in their respective categories. Additional key providers in the market include SmartDrive Systems, KeepTruckin, SmartWitness, Nauto, Trimble, SureCam and VisionTrack. The market value of the video telematics market in North America and Europe is estimated to have reached € 725 million in 2019. The North American market accounted for around 80 percent of total revenues. Growing at a CAGR of 15 percent the market for video telematics solutions in North America and Europe is forecasted to reach € 1.5 billion in 2024.



Total number of connected video cameras (Europe and North America 2019–2024)

This report answers the following questions:

- What are the key drivers behind the adoption of connected video cameras?
- Which are the leading providers of video surveillance equipment?
- What is the potential market size for body-worn cameras?
- What are the latest trends on the smart home camera market?
- Which are the major providers of video telematics solutions?
- Will 5G networks be the solution for connecting video cameras?
- What impact will technology advancements have on the market?
- How will the connected video camera market evolve in the next five years?



Executive Summary

1 Overview of connected video cameras		
1.1 Market segments		
1.1.1 City surveillance		
1.1.2 Commercial building and industrial site surveillance		
1.1.3 Smart home security cameras		
1.1.4 Body-worn cameras		
1.1.5 Video telematics for commercial vehicles		
1.2 Digital video technology		
1.3 Network technologies		
1.3.1 3GPP cellular technologies		
1.3.2 Wi-Fi		
1.3.3 Video requirements on wireless networks		
1.4 Artificial Intelligence and video analytics		
2 Video surveillance systems		
2.1 Issues of public safety		
2.2 Crime against businesses		
2.3 Video surveillance infrastructure		
2.4 Surveillance system market developments		
2.5 The video surveillance system vendor landscape		
2.6 Company profiles and strategies		
2.6.1 Axis Communications (Canon)		
2.6.2 Bosch		
2.6.3 Dahua Technology		
2.6.4 FLIR Systems		
2.6.5 Hanwha Techwin		
2.6.6 Hikvision		
2.6.7 Honeywell		
2.6.8 IndigoVision (Motorola Solutions)		
2.6.9 Infinova		
2.6.10 Johnson Controls		
2.6.11 Motorola Solutions		
2.6.12 Panasonic		
2.6.13 Tiandy Technologies		
2.6.14 United Technologies Corporation		
2.6.15 Uniview Technologies		
3 Smart home security cameras		
3.1 Home security and property crimes		
3.2 Smart home and home security systems		
3.2.1 Home security systems		
3.2.2 Home security cameras as point solutions		
3.2.3 Smart home communications technologies		
3.3 The Smart home security camera vendor landscape		
3.3.1 Professional home security		
3.3.2 DIY home security		
3.3.3 Standalone home security cameras		
3.4 Company profiles and strategies		
3.4.1 ADT		
3.4.2 Alarm.com		
3.4.3 Amazon		
3.4.4 Arlo Technologies		
3.4.5 Canary		
3.4.6 D-Link		
3.4.7 Google Nest		
3.4.8 Logitech		
3.4.9 Reolink		
3.4.10 SimpliSafe		
3.4.11 TP-Link		
3.4.12 Verisure		
3.4.13 Vivint		
3.4.14 Wyze Labs		
3.4.15 YI Technology		
4 Body-worn cameras		
4.1 Law-enforcement		
4.2 Lone worker safety		
4.3 Overview of the main market segments		
4.4 The BWC vendor landscape		
4.5 Company profiles and strategies		
4.5.1 Axon		
4.5.2 B-Cam		
4.5.3 Digital Ally		
4.5.4 Digital Barriers		
4.5.5 Edesix (Motorola Solutions)		
4.5.6 Getac Video Solutions		
4.5.7 Pinnacle Response		
4.5.8 Pro-Vision		
4.5.9 Reveal Media		
4.5.10 SoloProtect		
4.5.11 Utility Associates		
4.5.12 WatchGuard (Motorola Solutions)		
4.5.13 WCCTV		
4.5.14 Wolfcom		
4.5.15 Zepcam		
5 Video telematics for commercial vehicles		
5.1 Commercial vehicles and fleet management		
5.2 Video telematics		
5.3 The video telematics vendor landscape and market shares		
5.4 Company profiles and strategies		
5.4.1 CameraMatics		
5.4.2 D-TEG		
5.4.3 KeepTruckin		
5.4.4 LightMetrics		
5.4.5 Lytx		
5.4.6 Nauto		
5.4.7 Netradyne		
5.4.8 Samsara		
5.4.9 Seeing Machines		
5.4.10 SmartDrive Systems		
5.4.11 SmartWitness		
5.4.12 Streamax		
5.4.13 SureCam		
5.4.14 Trimble		
5.4.15 VisionTrack		
6 Market forecasts and trends		
6.1 Wireless IoT and video cameras		
6.1.1 Cellular IoT device shipments		
6.1.2 Cellular IoT network connections		
6.2 Market trends and drivers		
6.2.1 Video-based analytics and business intelligence expand the market		
6.2.2 Smart home cameras lower home insurance premiums		
6.2.3 Live facial recognition technology trending in the BWC segment		
6.2.4 Privacy issues expected to soften as video telematics becomes mainstream		
6.2.5 The impact of 5G technology on connected cameras		
6.3 Market forecasts		
6.3.1 Video surveillance systems		
6.3.2 Smart home security cameras		
6.3.3 Body-worn cameras		
6.3.4 Video telematics for commercial vehicles		
Glossary		

About the Author



Martin Bäckman is an IoT Analyst with a Master's degree in Industrial Engineering and Management from Chalmers University of Technology. He joined Berg Insight in 2018 and his areas of expertise include the connected video, smart home, people tracking and wearables markets.

Berg Insight offers premier business intelligence to the telecom industry. We produce concise reports providing key facts and strategic insights about pivotal developments in our focus areas. Berg Insight also offers detailed market forecast databases and advisory services. Our vision is to be the most valuable source of intelligence for our customers.

Who should buy this report?	Related products
<p>Connected Video Cameras is the foremost source of information about the adoption of video cameras used for security, safety and documentation purposes. Whether you are a product vendor, service provider, telecom operator, application developer, investor, consultant, or government agency, you will gain valuable insights from our in-depth research.</p>	<ul style="list-style-type: none"> ■ Smart Cities: Connected Public Spaces ■ People Monitoring and Safety Solutions ■ IoT Platforms and Software ■ The Global M2M/IoT Communications Market

© Berg Insight AB - No. 225

Order form — TO RECEIVE YOUR COPY OF CONNECTED VIDEO CAMERAS

You can place your order in the following alternative ways:

1. Place your order online in our web shop at www.berginsight.com
2. Mail this order sheet to us at: Berg Insight AB, Viktoriagatan 3, 411 25 Gothenburg, Sweden
3. Email your order to: info@berginsight.com
4. Phone us at +46 31 711 30 91

Choose type of format

- Paper copy 1000 EUR
- PDF 1-5 user license 1500 EUR
- PDF corporate license 3000 EUR

Family/Surname	Forename	Position	Company
Address		Country	Postcode
Telephone		Email	

VAT is chargeable on all orders from Sweden. Orders from all other countries in the European Union must include the buyer's VAT Registration number below in order to avoid the addition of VAT.

Your PO number	Your VAT/TVA/IVA/BTW/MWST number
----------------	----------------------------------

Please charge my credit card

- VISA Mastercard

Card number	Expiry date (MM/YY)	CV code
Cardholder's name	Signature	
Billing address		
Postcode	Country	

- We enclose our cheque payable to Berg Insight AB
- Please invoice me

Signature	Date
-----------	------

Reports will be dispatched once full payment has been received. For any enquiries regarding this, please contact us. Payment may be made by credit card, cheque made payable to Berg Insight AB, Viktoriagatan 3, 411 25 Gothenburg, Sweden or by direct bank transfer to Skandinaviska Enskilda Banken, 106 40 Stockholm, Sweden.

Account Holder: Berg Insight AB
 Account number: 5011 10 402 80
 BIC/SWIFT: ESSESESS
 IBAN: SE92 5000 0000 0501 1104 0280

