## 2012 Top Security 50

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2011	Company	Headquarters	Product Group			Revenue Growth	(in US\$ millions)			Profit Growth	Gross Margin	
				2011	2010	2010 - 2011	2011	2010		2010 - 2011	2011	
1	HONEYWELL SECURITY	U.S.	Multiple	\$2,400.0	\$2,400.0	0.0%	*	*		*	*	Honeywell Security provides diversified security products and solution
	BOSCH SECURITY SYSTEMS	Germany	Multiple	\$1,752.6	\$1,648.4	6.3%	*	*		*	*	Bosch is a global supplier of security, safety and communications pr systems division were counted (US\$1=EUR\$0.825651747).
N/A	SAFRAN (SECURITY PRODUCTS ONLY)	France	Multiple	\$1,147.0	\$908.4	26.3%	*	*		*	*	Safran offers a complete range of security solutions covering three n detection (US\$1=EUR\$0.825651747).
3	ASSA ABLOY (GLOBAL TECHNOLOGIES)	Sweden	Access Control	\$826.0	\$719.6	14.8%	*	*		*	*	Assa Abloy is a global provider of door opening solutions, focusing security. Only revenues from security solutions were counted (US\$1
5	HIKVISION DIGITAL TECHNOLOGY	China	Video Surveillance	\$819.3	\$564.6	45.1%	\$270.5	\$179.0		51.1%	33.0%	With more than 1,500 R&D engineers, and an emphasis on product of video surveillance products, including high-definition network and a and much more (US\$1=CNY\$6.3855377182).
4	FLIR SYSTEMS (THERMAL VISION AND MEASUREMENT)	U.S.	Video Surveillance	\$660.3	\$574.9	14.8%	*	*		*	*	Flir specializes in the design, manufacture and marketing of thermal raphy and commercial vision systems were counted.
7	AXIS COMMUNICATIONS	Sweden	Video Surveillance	\$509.5	\$414.6	22.9%	*	*		*	*	Axis offers network video solutions for professional installations with remote monitoring. Printer server were excluded (US\$1=SEK\$6.968
6	SAMSUNG TECHWIN	Korea	Multiple	\$501.6	\$477.1	5.1%	*	*		*	*	Samsung Techwin is a global provider of security solutions, offering were counted (US\$1=KRW\$1,146.963941529).
N/A	TYCO INTERNATIONAL (SECURITY PRODUCTS ONLY)	U.S.	Multiple	\$406.0	\$353.0	15.0%	*	*		*	*	Tyco Security Products is a unified group of access control, video, lo industry, including Software House, American Dynamics, Kantech, J
10	DAHUA TECHNOLOGY	China	Video Surveillance	\$345.3	\$237.5	45.4%	\$64.7	\$45.1		43.4%	18.7%	Dahua provides full surveillance product lines, including stand-along cameras, network storage and CMS (US\$1=CNY\$6.3855377182).
9	AIPHONE	Japan	Access Control	\$321.6	\$297.2	8.2%	*	*		*	*	Aiphone focuses on manufacturing intercoms and video door phone intercoms and video door phones were counted (US\$1=JPY\$78.169
12	NICE SYSTEMS (PUBLIC SAFETY & SECURITY)	Israel	Multiple	\$191.9	\$166.0	15.6%	*	*		*	*	Nice's offerings include situation management solutions, IP video su management.
8	RCG	Hong Kong, China	Access Control	\$178.6	\$390.1	-54.2%	\$32.7	\$148.3		-78.0%	18.3%	RCG is an international provider of biometric and RFID products an selling in the APAC markets (US\$1=HKD\$7.7562028458).
11	NEDAP (SECURITY MANAGEMENT)	Netherlands	Multiple	\$165.9	\$146.3	13.4%	*	*		*	*	Nedap focuses on developing and supplying sustainable security solthrough security management, access control, vehicle identification systems and installations were counted (US\$1=EUR\$0.825651747).
N/A	TKH GROUP (SECURITY SYSTEMS ONLY)	Netherlands	Multiple	\$141.4	\$108.2	30.6%	*	*		*	*	TKH's technologies are developed specifically for access control, int tions (US\$1=EUR\$0.825651747).
13	VERINT SYSTEMS (VIDEO INTELLIGENCE)	U.S.	Video Surveillance	\$138.0	\$134.0	3.0%	*	*		*	*	Verint Video Intelligence Solutions is a worldwide provider of network surveillance operations from cameras, encoders, and intelligent DVF fiscal year ended Jan. 31. Only revenues from its video intelligence a
14	CNB TECHNOLOGY	Korea	Video Surveillance	\$106.2	\$103.7	2.4%	\$26.6	\$23.0		15.9%	25.1%	CNB is a total security solution company. It supplies DVRs, domes, (US\$1=KRW\$1,146.963941529).
14	TAMRON (COMMERCIAL & INDUSTRIAL)	Japan	Video Surveillance	\$105.0	\$93.7	12.0%	*	*		*	*	Tamron specializes in camera lenses for surveillance, industrial visio the Commercial and Industrial division were included (US\$1=JPY\$*
17	IDIS	Korea	Video Surveillance	\$104.9	\$90.8	15.6%	*	\$34.7		*	*	Founded in 1997, IDIS's main products are DVRs (US\$1=KRW\$1,1
16	AVTECH	Taiwan	Video Surveillance	\$104.4	\$99.1	5.4%	\$40.6	\$37.0		9.8%	38.9%	Established in 1996, AVTech manufactures stand-alone DVRs, came processors (US\$1=TWD\$30.0294798127).
N/A	OPTEX (SECURITY SENSORS ONLY)	Japan	Intrusion Detection	\$103.3	\$98.2	5.2%	*	*		*	*	Optex offers a total crime prevention system including intrusion dete away intruders (US\$1=JPY\$78.1697801068).
30	VIVOTEK	Taiwan	Video Surveillance	\$93.2	\$57.5	62.1%	*	*		*	*	VIVOTEK provides network cameras, video servers, video receivers (US\$1=TWD\$30.0294798127).
21	TOA (SECURITY SYSTEM)	Japan	Video Surveillance	\$88.9	\$79.0	12.5%	*	*		*	*	TOA is dedicated to the development, manufacturing and distributio Only revenues from the Security System segment were counted (US
23	MOBOTIX	Germany	Video Surveillance	\$88.7	\$65.2	35.9%	\$68.1	\$49.0		38.9%	76.8%	Mobotix sees itself as a software company with in-house hardware d based video security solutions. Its fiscal year ended June 30 (US\$1=
N/A	TIANDY DIGITAL TECHNOLOGY	China	Video Surveillance	\$82.8	\$55.1	50.1%	\$29.1	\$18.2		60.6%	35.2%	The Tiandy product offering is divided into five main categories – fi switchers, accessories and normal CCTV cameras. (US\$1=CNY\$6.
	1 2 N/A 3 5 4 7 6 N/A 10 9 12 8 11 10 9 12 8 11 13 14 13 14 13 14 13 14 13 14 13 14 13 14 13	1HONEYWELL SECURITY2BOSCH SECURITY SYSTEMSN/ASAFRAN (SECURITY PRODUCTS ONLY)3ASSA ABLOY (GLOBAL TECHNOLOGIES)5HIK VISION DIGITAL TECHNOLOGY4FLIR SYSTEMS (THERMAL VISION AND MEASUREMENT)7AXIS COMMUNICATIONS6SAMSUNG TECHWINN/ATYCO INTERNATIONAL (SECURITY PRODUCTS ONLY)10DAHUA TECHNOLOGY9AIPHONE12NICE SYSTEMS (PUBLIC SAFETY & SECURITY)8RCG11NEDAP (SECURITY MANAGEMENT)N/ATKH GROUP (SECURITY SYSTEMS ONLY)13VERINT SYSTEMS (VIDEO INTELLIGENCE)14CNB TECHNOLOGY14TAMRON (COMMERCIAL & INDUSTRIAL)17IDIS16AVTECHN/AOPTEX (SECURITY SENSORS ONLY)30VIVOTEK21TOA (SECURITY SYSTEM)	1HONEYWELL SECURITYU.S.2BOSCH SECURITY SYSTEMSGermanyN/ASAFRAN (SECURITY PRODUCTS ONLY)France3ASSA ABLOY (GLOBAL TECHNOLOGIES)Sweden5HIKVISION DIGITAL TECHNOLOGYChina4FLIR SYSTEMS (THERMAL VISION AND MEASUREMENT)U.S.7AXIS COMMUNICATIONSSweden6SAMSUNG TECHWINKoreaN/ATYCO INTERNATIONAL (SECURITY PRODUCTS ONLY)U.S.10DAHUA TECHNOLOGYChina9AIPHONEJapan12NICE SYSTEMS (PUBLIC SAFETY & SECURITY)Israel8RCGHong Kong, China11NEDAP (SECURITY MANAGEMENT)NetherlandsN/ATKH GROUP (SECURITY MANAGEMENT)Netherlands13VERINT SYSTEMS (VIDEO INTELLIGENCE)U.S.14CNB TECHNOLOGYKorea15AVTECH NDUSTRIAL)Japan17IDISKorea18OPTEX (SECURITY SENSORS) NILY)Japan30VIVOTEKTaiwan21TOA (SECURITY SYSTEM)Japan	I HONEYWELL SECURITY U.S. Multiple   2 BOSCH SECURITY SYSTEMS Germany Multiple   N/A SAFRAN (SECURITY PRODUCTS ONLY) France Multiple   3 ASSA ABLOY (GLOBAL TECHNOLOGY Sweden Access Control   5 HIKVISION DIGITAL TECHNOLOGY China Video Surveillance   4 FLIR SYSTEMS (THERMAL VISION AND MEASUREMENT) U.S. Video Surveillance   6 SAMSUNG TECHWIN Korea Multiple   N/A TYCO INTERNATIONAL (SECURITY PRODUCTS ONLY) U.S. Multiple   10 DAHUA TECHNOLOGY China Video Surveillance   9 AIPHONE Japan Access Control   11 NICE SYSTEMS (PUBLIC SAFETY & SECURITY) Israel Multiple   8 RCG Hong Kong, Control Access Control   11 NEDAP (SECURITY MANAGEMENT) Netherlands Multiple   13 VERINT SYSTEMS (VIDEO INTELLIGENCE) U.S. Video Surveillance   14 TAMRON (COMMERCIAL & INDUSTRIAL) Japan Video Surveillance   14 TAMRON (COMMERCIAL & INDUSTRIAL) Japan </td <td>2011CompanyHeadquartersProduct Group(n USS 2010)1HONEYWELL SECURITYU.S.Multiple\$2,40002BOSCH SECURITY SYSTEMSGermanyMultiple\$1,752.6N/ASAFRAN (SECURITY SYSTEMSGermanyMultiple\$1,147.03ASSA ABLOY (GLOBAL TECHNOLOGIES)SwedenAccess Control\$826.05HIKVISION DIGITAL TECHNOLOGYChinaVideo Surveillance\$819.34FLIR SYSTEMS (THERMAL VISION AND MEASUREMENT)U.S.Video Surveillance\$660.37AXIS COMMUNICATIONSSwedenVideo Surveillance\$509.56SAMSUNG TECHWINKoreaMultiple\$501.6N/A[YCO INTERNATIONAL SECURITY PRODUCTS ONLY)U.S.Multiple\$102.610DAHUA TECHNOLOGYChinaVideo Surveillance\$321.612NICE SYSTEMS (PUBLIC SAFETY &amp; SECURITY)IsraelMultiple\$191.98RCGControlS178.611NEDAP (SECURITY MANAGEMENT)NetherlandsMultiple\$114.113VERINT SYSTEMS (VIDEO SYSTEMS ONLY)U.S.Video Surveillance\$103.014CNB TECHNOLOGYKoreaVideo Surveillance\$104.015VIELLEGNCE)U.S.Video Surveillance\$104.014NDNDTRIAL)JapanVideo Surveillance\$104.015VIELLIGENCE)JapanVideo Surveillance\$104.016<td< td=""><td>Intervention   Intervention   Intervention     1   HONEYWELL SECURITY   U.S.   Multiple   \$2,400.0   \$3,481.4   \$3   \$3,554.6   \$1,147.0   \$908.4   \$3   \$526.0   \$5719.6     5   HECHNOLOGGY   China   Video   \$3,00.3   \$574.9   \$3,00.5   \$414.6   \$4,00.0   \$3,00.5   \$414.6   \$4,00.0   \$4,00.0   \$4,00.0   \$4,00.0   \$5,00.5   \$414.6   \$5,00.5   \$414.6   \$5,00.5   \$414.6   \$5,00.5   \$414.6   \$5,00.5   \$5,41.3   \$237.5   \$5,00.5   \$5,453.3   \$2321.6   \$297.</td><td>2011   Company   Headquartes   Product Graph   Lin USS millions   Convent 2011   2010</td><td>2011   Company   Headquarters   Product Comp (m) (23)   (m) (m) (m) (m) (m) (m) (m) (m) (m) (m)</td><td>Company   Idealgoates   Product Company   Constant Company   <t< td=""><td>Participant   Packageane   Packag</td><td>Part Part Part Part Part Part Part Part</td><td>211   Company   Index and point of the second s</td></t<></td></td<></td>	2011CompanyHeadquartersProduct Group(n USS 2010)1HONEYWELL SECURITYU.S.Multiple\$2,40002BOSCH SECURITY SYSTEMSGermanyMultiple\$1,752.6N/ASAFRAN (SECURITY SYSTEMSGermanyMultiple\$1,147.03ASSA ABLOY (GLOBAL TECHNOLOGIES)SwedenAccess Control\$826.05HIKVISION DIGITAL TECHNOLOGYChinaVideo Surveillance\$819.34FLIR SYSTEMS (THERMAL VISION AND MEASUREMENT)U.S.Video Surveillance\$660.37AXIS COMMUNICATIONSSwedenVideo Surveillance\$509.56SAMSUNG TECHWINKoreaMultiple\$501.6N/A[YCO INTERNATIONAL SECURITY PRODUCTS ONLY)U.S.Multiple\$102.610DAHUA TECHNOLOGYChinaVideo Surveillance\$321.612NICE SYSTEMS (PUBLIC SAFETY & SECURITY)IsraelMultiple\$191.98RCGControlS178.611NEDAP (SECURITY MANAGEMENT)NetherlandsMultiple\$114.113VERINT SYSTEMS (VIDEO SYSTEMS ONLY)U.S.Video Surveillance\$103.014CNB TECHNOLOGYKoreaVideo Surveillance\$104.015VIELLEGNCE)U.S.Video Surveillance\$104.014NDNDTRIAL)JapanVideo Surveillance\$104.015VIELLIGENCE)JapanVideo Surveillance\$104.016 <td< td=""><td>Intervention   Intervention   Intervention     1   HONEYWELL SECURITY   U.S.   Multiple   \$2,400.0   \$3,481.4   \$3   \$3,554.6   \$1,147.0   \$908.4   \$3   \$526.0   \$5719.6     5   HECHNOLOGGY   China   Video   \$3,00.3   \$574.9   \$3,00.5   \$414.6   \$4,00.0   \$3,00.5   \$414.6   \$4,00.0   \$4,00.0   \$4,00.0   \$4,00.0   \$5,00.5   \$414.6   \$5,00.5   \$414.6   \$5,00.5   \$414.6   \$5,00.5   \$414.6   \$5,00.5   \$5,41.3   \$237.5   \$5,00.5   \$5,453.3   \$2321.6   \$297.</td><td>2011   Company   Headquartes   Product Graph   Lin USS millions   Convent 2011   2010</td><td>2011   Company   Headquarters   Product Comp (m) (23)   (m) (m) (m) (m) (m) (m) (m) (m) (m) (m)</td><td>Company   Idealgoates   Product Company   Constant Company   <t< td=""><td>Participant   Packageane   Packag</td><td>Part Part Part Part Part Part Part Part</td><td>211   Company   Index and point of the second s</td></t<></td></td<>	Intervention   Intervention   Intervention     1   HONEYWELL SECURITY   U.S.   Multiple   \$2,400.0   \$3,481.4   \$3   \$3,554.6   \$1,147.0   \$908.4   \$3   \$526.0   \$5719.6     5   HECHNOLOGGY   China   Video   \$3,00.3   \$574.9   \$3,00.5   \$414.6   \$4,00.0   \$3,00.5   \$414.6   \$4,00.0   \$4,00.0   \$4,00.0   \$4,00.0   \$5,00.5   \$414.6   \$5,00.5   \$414.6   \$5,00.5   \$414.6   \$5,00.5   \$414.6   \$5,00.5   \$5,41.3   \$237.5   \$5,00.5   \$5,453.3   \$2321.6   \$297.	2011   Company   Headquartes   Product Graph   Lin USS millions   Convent 2011   2010	2011   Company   Headquarters   Product Comp (m) (23)   (m)	Company   Idealgoates   Product Company   Constant Company <t< td=""><td>Participant   Packageane   Packag</td><td>Part Part Part Part Part Part Part Part</td><td>211   Company   Index and point of the second s</td></t<>	Participant   Packageane   Packag	Part Part Part Part Part Part Part Part	211   Company   Index and point of the second s

Remarks

lutions. Its fiscal year ends in September.

s products, services and solutions. Only revenues from security

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e main market segments: identification, secure documents and

ng on access control, secure issuance of cards, RFID and hotel \$\$1=SEK\$6.9689857441).

t development, Hikvision offers a complete range of professional analog cameras, speed domes, NVRs, hybrid/stand-alone DVRs,

nal imaging and IR camera systems. Only revenues from thermog-

with products and solutions, focusing on security surveillance and 9689857441).

ing diversified products. Only product sales from electronic security

o, location-based tracking and intrusion solutions in the security ch, DSC, CEM, Bentel, Visonic, Elpas, Connect 24 and Sur-Gard.

lone DVRs, compression DVR boards, speed domes, network

one systems. Its fiscal year ends March 31. Its product sales for 1697801068).

surveillance and audio and multimedia recording for incident

and solution services with focuses on developing, sourcing and

solutions, designed to protect people, property and information on and biometric identification. Only revenues from products, 47).

, intrusion detection, video management and surveillance applica-

etworked video, a single source for virtually every facet of video DVRs to video management, viewing and analytics software. Its ice segment was counted.

es, PTZ, IR and weatherproof cameras to the worldwide markets

ision and image processing. Only security-related revenues from Y\$78.1697801068).

1,146.963941529).

ameras and supplies semiconductors components, such as quad

detection and reporting systems that protect occupants by driving

vers, NVRs and video management software

tion of audio and security products. Its fiscal year ended March 31. (US\$1=JPY\$78.1697801068).

re development in the area of digital, high-resolution and network-S1=EUR\$0.825651747).

 – fiber optic transceivers, speed dome cameras, IP solutions, matrix \$6.3855377182).

# 2012 Top Security 50

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2012	2011	Company	Product Sales Revenue Revenue Gross Profit Headquarters Product Group (in US\$ millions) Growth (in US\$ million:			Profit Growth	Gross Margin	Re				
	-				2011	2010	2010 - 2011	2011	2010	2010 - 2011	2011	
26	20	COMMAX	Korea	Multiple	\$80.7	\$79.2	2.0%	\$19.0	\$16.4	16.1%	23.5%	Commax specializes in intercoms, video door phones and home automa
27	18	EVERFOCUS ELECTRONICS	Taiwan	Multiple	\$80.1	\$91.3	-12.3%	\$24.2	\$28.8	-15.8%	30.3%	EverFocus specializes in surveillance systems and digital image proces cameras and access control products (US\$1=TWD\$30.0294798127).
28	25	GEUTEBRUCK	Germany	Video Surveillance	\$75.2	\$64.4	16.7%	*	*	*	*	Geutebruck implements video security with intelligence, combining dis (US\$1=EUR\$0.825651747).
29	26	NAPCO SECURITY SYSTEMS	U.S.	Multiple	\$71.4	\$67.8	5.4%	\$20.1	\$14.5	38.4%	28.2%	Napco is a manufacturer of a wide array of security products, including locking systems. Its fiscal year ended June 30.
30	27	КОСОМ	Korea	Multiple	\$70.6	\$62.8	12.4%	\$19.0	\$14.4	32.5%	27.0%	Kocom specializes in home network and home automation systems, as (US\$1=KRW\$1,146.963941529).
31	N/A	ARECONT VISION	U.S.	Video Surveillance	\$64.0	\$51.0	25.5%	*	*	*	*	Arecont Vision is exclusively focused on megapixel technology and has professional security applications.
32	46	AVIGILON	Canada	Video Surveillance	\$59.1	\$31.8	86.0%	\$27.2	\$14.3	89.7%	46.0%	Avigilon is a Canadian manufacturer, specializing network video solution software (US\$1=CAD\$1.0158329967).
33	48	SYNECTICS	U.K.	Video Surveillance	\$58.6	\$48.1	21.7%	\$23.0	\$18.8	22.6%	39.3%	Synectics has been active in the development, design, integration and n networks. Its fiscal year ended Nov. 30. Revenues from integration and as Synectics on May, 2012. (US\$1=GBP\$0.6421521567).
34	33	SIMONSVOSS TECHNOLOGIES	Germany	Access Control	\$56.2	\$47.4	18.4%	*	*	*	*	SimonsVoss specializes in digital and wireless technology applied to loc (US\$=EUR\$0.825651747).
35	24	INFINOVA	U.S.	Video Surveillance	\$55.6	\$75.8	-26.7%	\$6.4	\$18.8	-66.1%	11.5%	Infinova provides core equipment for video control rooms, megapixel, l cameras, fiber optic communications products and customized systems. 2012 (US\$1=CNY\$6.3855377182).
36	37	GEOVISION	Taiwan	Video Surveillance	\$55.2	\$43.5	27.0%	\$33.5	\$27.9	19.9%	60.6%	GeoVision offers video surveillance solutions of DVR, hybrid DVR, Monitoring system (CMS), GIS, access control and LPR/ANPR system
37	28	YOKO TECHNOLOGY	Taiwan	Video Surveillance	\$52.8	\$62.8	-16.0%	\$9.7	\$12.8	-24.3%	18.4%	Yoko makes monitors, quad processors, multiplexers, VCRs, DIY surve (US\$1=TWD\$30.0294798127).
38	49	HDPRO	Korea	Video Surveillance	\$52.5	\$28.6	83.7%	\$6.5	\$3.7	76.8%	12.3%	HDPRO provides surveillance cameras, LCD monitors and DVRs (USS
39	31	FERMAX	Spain	Access Control	\$47.2	\$50.3	-6.0%	\$28.7	\$30.4	-5.6%	60.8%	FERMAX is a family business of Spanish origin based in Valencia, Spa and video door entry systems (US\$1=EUR\$0.825651747).
40	34	VICON	U.S.	Video Surveillance	\$47.2	\$48.7	-3.1%	\$18.2	\$20.5	-11.2%	38.6%	Vicon provides a range of IP-based products, including VMS and system control purposes. Its fiscal year ended Sept. 30.
41	32	DYNACOLOR	Taiwan	Video Surveillance	\$46.6	\$55.8	-16.4%	\$18.3	\$23.3	-21.3%	39.3%	DynaColor produces cameras, speed domes, DVRs, control panels and
42	36	INDIGOVISION	U.K.	Video Surveillance	\$45.0	\$43.6	3.1%	\$25.1	\$26.1	-3.8%	55.9%	IndigoVision is manufacturer of end-to-end IP security management system integrators and installers in 64 countries, to provide local system (US\$1=GBP\$0.6421521567).
43	39	MILESTONE SYSTEMS	Denmark	Video Surveillance	\$43.3	\$35.4	22.5%	\$32.8	\$28.0	17.3%	75.8%	Milestone develops open-platform IP video management software that i partners worldwide. Open choice in network hardware and integration v (US\$1=DKK\$6.1433094536).
44	41	C-PRO ELECTRONICS	Korea	Video Surveillance	\$38.1	\$34.8	9.4%	\$6.2	\$8.8	-29.8%	16.3%	C-Pro manufactures CCD and dome cameras for surveillance and video
45	35	ITX SECURITY	Korea	Video Surveillance	\$37.7	\$42.6	-11.7%	\$9.3	\$9.6	-3.7%	24.6%	ITX Security was established in February 1998, with a focus on technol equipment and peripherals (US\$=KRW\$1,146.963941529).
46	44	HI SHARP ELECTRONICS	Taiwan	Video Surveillance	\$37.0	\$33.2	11.5%	\$5.0	\$5.2	-3.5%	13.4%	Hi Sharp provides full product lines in CRTs, LCDs, cameras, DVRs, a
47	47	SUPREMA	Korea	Access Control	\$36.4	\$29.8	21.9%	\$16.5	\$14.5	13.8%	45.5%	Suprema is a global provider of fingerprint recognition and identity man biometirc access control, fingerprint modules, passport readers and live
48	40	DALI TECHNOLOGY	China	Video Surveillance	\$36.1	\$40.5	-10.7%	\$5.6	\$9.0	-38.1%	15.4%	Dali is a manufacturer of video surveillance products, including a full r cameras (US\$1=CNY\$6.3855377182).
49	50	WIN4NET	Korea	Video Surveillance	\$30.9	\$23.0	34.3%	\$9.1	\$7.1	28.6%	29.4%	Win4NET is a producer of network-based security devices. It has origin (US\$1=KRW\$1,146.963941529).
50	45	MAGAL SECURITY SYSTEMS (PERIMETER PRODUCTS)	Israel	Intrusion Detection	\$30.0	\$33.3	-9.7%	*	*	*	*	Magal provides outdoor perimeter protection solutions, including integr security and intrusion detection. Revenues from service and maintenance
				Average	\$253.8	\$230.2	14.0%	\$32.0	\$30.6	9.8%	34.2%	
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#### Remarks

automation solutions (US\$1=KRW\$1,146.963941529).

processing. It supplies a wide range of products, including DVRs,

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ing disparate elements into a single seamless system

luding intrusion, fire, video, wireless, access control and door

ns, as well as intercoms, surveillance and multimedia solutions

and has contributed to the advancement of megapixel imaging for

solutions. Its products include cameras, recording hardware and

and management of surveillance technology and security on and managed services were excluded. Quadnetics was renamed

to locking devices and integrated access control systems

pixel, IP, HD and analog surveillance cameras, specialized stems. It completed the acquision of March Networks on May

OVR, NVR, video analytics, megapixel cameras, central system (US\$1=TWD\$30.0294798127).

surveillance kits and wireless systems

s (US\$1=KRW\$1,146.963941529).

ia, Spain. Founded in 1949, the company specializes in digital audio

system components used for security, surveillance, safety and

ls and extended system storage (US\$1=TWD\$30.0294798127).

ent systems. It partners with some 270 authorized system design, installation and services to end users

e that is proven in thousands of installations, sold through certified ration with other systems help "video-enable" organizations

video-conferencing devices (US\$1=KRW\$1,146.963941529).

echnological excellence in manufacturing video surveillance

/Rs, and other peripherals (US\$1=TWD\$30.0294798127).

ity management solutions and systems. Its portfolio includes nd live scanners (US\$1=KRW\$1,146.963941529).

a full range of DVRs, security cameras and infrared thermal imaging

s original software and hardware products

; integrated command and control, all-in-one surveillance, pipeline itenance were excluded.

### Security 50 by Product Group

'12 Ranking	Company	Headquarters	Revenue (in US\$ millions) 2011	Revenue Growth 2010-2011	Gross Profit (in US\$ millions) 2011	Profit Growth 2010-2011	Gross Margin 2011
Multipl	e						
1	HONEYWELL SECURITY	U.S.	\$2,400.0	*	*	*	*
2	BOSCH SECURITY SYSTEMS	Germany	\$1,752.6	6.3%	*	*	*
3	SAFRAN (SECURITY PRODUCTS ONLY)	France	\$1,147.0	26.3%	*	*	*
8	SAMSUNG TECHWIN	Korea	\$501.6	5.1%	*	*	*
9	TYCO INTERNATIONAL (SECURITY PRODUCTS)	U.S.	\$406.0	15.0%	*	*	*
12	NICE SYSTEMS (PUBLIC SAFETY & SECURITY)	Israel	\$191.9	15.6%	*	*	*
14	NEDAP (SECURITY MANAGEMENT)	Netherlands	\$165.9	13.4%	*	*	*
15	TKH GROUP (SECURITY SYSTEMS ONLY)	Netherlands	\$141.4	30.6%	*	*	*
26	COMMAX	Korea	\$80.7	2.0%	\$19.0	16.1%	23.5%
27	EVERFOCUS ELECTRONICS	Taiwan	\$80.1	-12.3%	\$24.2	-15.8%	30.3%
29	NAPCO SECURITY SYSTEMS	U.S.	\$71.4	5.4%	\$20.1	38.4%	28.2%
30	KOCOM	Korea	\$70.6	12.4%	\$19.0	32.5%	27.0%
		Average	\$584.1	10.0%	20.6%	17.8%	27.3%
Video S	Surveillance						
5	HIKVISION DIGITAL TECHNOLOGY	China	\$819.3	45.1%	\$270.5	51.1%	33.0%
6	FLIR SYSTEMS (THERMAL VISION & MEASUREMENT)	U.S.	\$660.3	14.8%	*	*	*
7	AXIS COMMUNICATIONS	Sweden	\$509.5	22.9%	*	*	*
10	DAHUA TECHNOLOGY	China	\$345.3	45.4%	\$64.7	43.4%	18.7%
16	VERINT SYSTEMS (VIDEO INTELLIGENCE)	U.S.	\$138.0	3.0%	*	*	*
17	CNB TECHNOLOGY	Korea	\$106.2	2.4%	\$26.6	15.9%	25.1%
18	TAMRON (COMMERCIAL & INDUSTRIAL)	Japan	\$105.0	12.0%	*	*	*
19	IDIS	Korea	\$104.9	15.6%	*	*	*
20	AVTECH	Taiwan	\$104.4	5.4%	\$40.6	9.8%	38.9%
22	VIVOTEK	Taiwan	\$93.2	62.1%		*	*
23	TOA (SECURITY SYSTEM)	Japan	\$88.9	12.5%	*	*	*
24	MOBOTIX	Germany	\$88.7	35.9%	\$68.1	38.9%	76.8%
25	TIANDY DIGITAL TECHNOLOGY	China	\$82.8	50.1%	\$29.1	60.6%	35.2%
28	GEUTEBRUCK	Germany	\$75.2	16.7%	*	*	*
31	ARECONT VISION	U.S.	\$64.0	25.5%	*	*	*
32	AVIGILON	Canada	\$59.1	86.0%	\$27.2	89.7%	46.0%
33	SYNECTICS	U.K. U.S.	\$58.6	21.7%	\$23.0	22.6%	39.3%
35	INFINOVA		\$55.6 \$55.2	-26.7%	\$6.4	-66.1%	11.5%
36 37	GEOVISION YOKO TECHNOLOGY	Taiwan Taiwan	\$55.2 \$52.8	27.0%	\$33.5 \$9.7	19.9% -24.3%	60.6%
37	HDPRO	Korea	\$52.5	-10.0%	\$9.7	-24.3%	12.3%
40	VICON	U.S.	\$47.2	-3.1%	\$18.2	-11.2%	38.6%
40	DYNACOLOR	Taiwan	\$46.6	-16.4%	\$18.3	-21.3%	39.3%
42	INDIGOVISION	U.K.	\$45.0	3.1%	\$25.1	-3.8%	55.9%
43	MILESTONE SYSTEMS	Denmark	\$43.3	22.5%	\$32.8	17.3%	75.8%
44	C-PRO ELECTRONICS	Korea	\$38.1	9.4%	\$6.2	-29.8%	16.3%
45	ITX SECURITY	Korea	\$37.7	-11.7%	\$9.3	-3.7%	24.6%
46	HI SHARP ELECTRONICS	Taiwan	\$37.0	11.5%	\$5.0	-3.5%	13.4%
48	DALITECHNOLOGY	China	\$36.1	-10.7%	\$5.6	-38.1%	15.4%
49	WIN4NET	Korea	\$30.9	34.3%	\$9.1	28.6%	29.4%
Access	Control	Average	\$136.0	19.5%	\$35.0	13.0%	34.5%
4	ASSA ABLOY (GLOBAL TECHNOLOGIES)	Sweden	\$826.0	14.8%	*	*	*
11	AIPHONE	Japan	\$321.6	8.2%	*	*	*
13	RCG	Hong Kong, China	\$178.6	-54.2%	\$32.7	-78%	18.3%
34	SIMONSVOSS TECHNOLOGIES	Germany	\$178.0	-34.2%	\$32.7	-/870	10.370
39	FERMAX	Spain	\$30.2 \$47.2	-6.0%	\$28.7	-5.6%	60.8%
47	SUPREMA	Korea	\$47.2	21.9%	\$16.5	13.8%	45.5%
7/	SOT NEWEL	Average	\$244.3	0.5%	\$26.0	-23.3%	41.5%
Intrusio	n Alarm		φ277.5	0.570	φ20.0	23.370	11.070
21	OPTEX (SECURITY SENSORS ONLY)	Japan	\$103.3	5.2%	*	*	*
	MAGAL SECURITY SYSTEMS (PERIMETER	-			*	*	*
50	PRODUCTS)	Israel	\$30.0	-9.7%	*	*	*
		Average	\$66.7	-2.3%	*	*	*

## Security 50 by Region

'12 Ranking	Company	Product Group	Revenue (in US\$ millions) 2011	Revenue Growth 2010-2011	Gross Profit (in US\$ millions) 2011	Profit Growth 2010-2011	Gross Mar 2011
North A	merica						
1	HONEYWELL SECURITY	Multiple	\$2,400.0	*	*	*	
6	FLIR SYSTEMS (THERMAL VISION & MEASUREMENT)	Video Surveillance	\$660.3	14.8%	*	*	
9	TYCO INTERNATIONAL (SECURITY PRODUCTS ONLY)	Multiple	\$406.0	15.0%	*	*	
16	VERINT SYSTEMS (VIDEO INTELLIGENCE)	Video Surveillance	\$138.0	3.0%	*	*	
29	NAPCO SECURITY SYSTEMS	Multiple	\$71.4	5.4%	\$20.1	38.4%	28.2
31	ARECONT VISION	Video Surveillance	\$64.0	25.5%	*	*	
32	AVIGILON	Video Surveillance	\$59.1	86.0%	\$27.2	89.7%	46.0
35	INFINOVA	Video Surveillance	\$55.6	-26.7%	\$6.4	-66.1%	11.5
40	VICON	Video Surveillance	\$47.2	-20.7%	\$18.2	-11.2%	38.6
		Average	\$433.5	15.0%	\$18.0	12.7%	31.1
Middle H							
12	NICE SYSTEMS (PUBLIC SAFETY & SECURITY)	Multiple	191.9\$	15.6%	*	*	
50	MAGAL SECURITY SYSTEMS (PERIMETER PRODUCTS)	Multiple	30.0\$	-9.7%	*	*	
-		Average	\$110.9	3.0%	*	*	
Europe	BOSCH SECURITY SYSTEMS	Multiple	\$1,752.6	6.3%	*	*	
3	SAFRAN (SECURITY PRODUCTS ONLY)	Multiple	\$1,147.0	26.3%	*	*	
4	ASSA ABLOY (GLOBAL TECHNOLOGIES)	Access Control	\$826.0	14.8%	*	*	
7	AXIS COMMUNICATIONS	Video Surveillance	\$509.5	22.9%	*	*	
14	NEDAP (SECURITY MANAGEMENT)	Multiple	\$165.9	13.4%	*	*	
14			\$103.9	30.6%	*	*	
	TKH GROUP (SECURITY SYSTEMS ONLY)	Multiple					7( 0
24	MOBOTIX	Video Surveillance	\$88.7	35.9%	\$68.1	38.9%	76.8
28	GEUTEBRUCK	Video Surveillance	\$75.2	16.7%	-		
33	SYNECTICS	Video Surveillance	\$58.6	21.7%	\$23.0	22.6%	39.3
34	SIMONSVOSS TECHNOLOGIES	Access Control	\$56.2	18.4%	*	*	
39	FERMAX	Access Control	\$47.2	-6.0%	\$28.7	-5.6%	60.8
42	INDIGOVISION	Video Surveillance	\$45.0	3.1%	\$25.1	-3.8%	55.9
43	MILESTONE SYSTEMS	Video Surveillance	\$43.3	22.5%	\$32.8	17.3%	75.8
APAC		Average	\$381.3	17.4%	\$35.5	13.9%	61.7
5	HIKVISION DIGITAL TECHNOLOGY	Video Surveillance	\$819.3	45.1%	\$270.5	51.5%	33.0
8	SAMSUNG TECHWIN	Multiple	\$501.6	5.1%	*	*	55.0
10	DAHUA TECHNOLOGY	Video Surveillance	\$345.3	45.4%	\$64.7	43.4%	18.7
10	AIPHONE		\$343.5	8.2%	\$04.7	45.470	16./
		Access Control				-	10.2
13	RCG	Access Control	\$178.6	-54.2%	\$32.7	-78.0%	18.3
17	CNB TECHNOLOGY	Video Surveillance	\$106.2	2.4%	\$26.6	15.9%	25.1
18	TAMRON (COMMERCIAL & INDUSTRIAL)	Video Surveillance	\$105.0	12.0%		*	
19	IDIS	Video Surveillance	\$104.9	15.6%	*	*	
20	AVTECH	Video Surveillance	\$104.4	5.4%	\$40.6	9.8%	38.9
21	OPTEX (SECURITY SENSORS ONLY)	Intrusion Alarm	\$103.3	5.2%	*	*	
22	VIVOTEK	Video Surveillance	\$93.2	62.1%	*	*	
23	TOA (SECURITY SYSTEM)	Video Surveillance	\$88.9	12.5%	*	*	
25	TIANDY DIGITAL TECHNOLOGY	Video Surveillance	\$82.8	50.1%	\$29.1	60.6%	35.2
26	COMMAX	Multiple	\$80.7	2.0%	\$19.0	16.1%	23.5
27	EVERFOCUS ELECTRONICS	Multiple	\$80.1	-12.3%	\$24.2	-15.8%	30.3
30	KOCOM	Multiple	\$70.6	12.4%	\$19.0	32.5%	27.0
36	GEOVISION	Video Surveillance	\$55.2	27.0%	\$33.5	19.9%	60.6
	YOKO TECHNOLOGY	Video Surveillance	\$52.8	-16.0%	\$9.7	-24.3%	18.4
37	HDPRO	Video Surveillance	\$52.5	83.7%	\$6.5	76.8%	12.3
37			\$46.6	-16.4%	\$18.3	-21.3%	39.3
38		Video Surveillance	0.010	10.470	\$10.5		16.3
38 41	DYNACOLOR	Video Surveillance		0.40/2	\$6.2	_20.80%	
38 41 44	DYNACOLOR C-PRO ELECTRONICS	Video Surveillance	\$38.1	9.4%	\$6.2 \$0.2	-29.8%	
38 41 44 45	DYNACOLOR C-PRO ELECTRONICS ITX SECURITY	Video Surveillance Video Surveillance	\$38.1 \$37.7	-11.7%	\$9.3	-3.7%	24.6
38 41 44 45 46	DYNACOLOR C-PRO ELECTRONICS ITX SECURITY HI SHARP ELECTRONICS	Video Surveillance Video Surveillance Video Surveillance	\$38.1 \$37.7 \$37.0	-11.7% 11.5%	\$9.3 \$5.0	-3.7% -3.5%	24.6 13.4
38 41 44 45 46 47	DYNACOLOR C-PRO ELECTRONICS ITX SECURITY HI SHARP ELECTRONICS SUPREMA	Video Surveillance Video Surveillance Video Surveillance Access Control	\$38.1 \$37.7 \$37.0 \$36.4	-11.7% 11.5% 21.9%	\$9.3 \$5.0 \$16.5	-3.7% -3.5% 13.8%	24.6 13.4 45.5
38 41 44 45 46	DYNACOLOR C-PRO ELECTRONICS ITX SECURITY HI SHARP ELECTRONICS	Video Surveillance Video Surveillance Video Surveillance	\$38.1 \$37.7 \$37.0	-11.7% 11.5%	\$9.3 \$5.0	-3.7% -3.5%	24.6 13.4 45.5 15.4 29.4

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