

Global Homeland Security & Public Safety Industry 2017 Edition

Homeland Security Research Corp. (HSRC) is an international market and technology research firm specializing in the Homeland Security (HLS) & Public Safety (PS) industry. HSRC provides premium off-the-shelf and customized market reports on present and emerging technologies and industry expertise, enabling global clients to gain time-critical insight into business opportunities. HSRC's clients include the U.S. Congress, DHS, U.S. Army, U.S. Navy, DOD, DOT, GAO, NATO and EU, among others; as well as government agencies in Japan, Korea, Taiwan, Israel, Canada, UK, Germany, Australia, Sweden, Finland, Singapore. With over 750 private sector clients (72% repeat customers), including major defense Standard for and security contractors and Forbes Global 2000 companies. HSRC earned the reputation as the industry's Gold HSL & PS market reports.

Washington D.C. 20004, 601 Pennsylvania Ave., NW Suite 900,
Tel: 202-455-0966, info@hsrc.biz, www.homelandsecurityresearch.com

Table of Contents

1	The Global Homeland Security & Public Safety Industry	25
1.1	Global Homeland Security & Public Safety Industry Revenues.....	26
1.2	Homeland-Security & Public-Safety Industry: Competitive Analysis	27
1.3	The Market Timeline – 2001-2022	28
1.4	Economic Turmoil Effects on the Market Outlook	29
1.5	The Globalization of the Homeland Security & Public Safety Business.....	29
1.6	Classification of the Industry Business and Industrial Activities	30
1.7	Forces that Shape the Public Safety and Homeland Security Industry & Markets	30
2	Effects of Emerging Technologies on the Global Homeland Security & Public Safety Industry.....	34
2.1	Background.....	34
2.2	Technological Change: Homeland Security & Public Safety Vulnerabilities.....	35
3	The Homeland Security & Public Safety Market Trends.....	40
3.1	Market Trends– 2016-2022.....	40
3.2	Globalization of the Homeland Security & Public Safety Business...	40
3.3	Classification of the Industry Business & Industrial Activities	41
4	Vendor – Government Relationship	42
5	Geopolitical Outlook 2017-2022.....	46
6	The Industry Business Models & Strategies	48
6.1	Variable Economic Conditions	48
6.2	Market Tiers	48
6.3	Defense Primes & Mega Corporations’ Inroads into the Market.....	48
7	Market Entry Challenges	50
8	The Industry: Supply-Side & Demand-Side Analysis	51
9	Market Entry Strategies	55
10	Price Elasticity	56
11	Homeland Security & Public Safety Industry: Mergers & Acquisitions (M&A).....	58
12	Homeland Security & Public Safety Related Product Standards.....	61
Global Homeland Security & Public Safety Vendors		85
13	3M.....	85
13.1	Company Profile.....	85
13.2	Homeland Security & Public Safety Products.....	86
13.3	Recent Events.....	87

13.4	Contact Information	88
14	3i-MIND	89
14.1	Company Profile.....	89
14.2	Homeland Security & Public Safety Products.....	90
14.3	Contact Information	90
15	3VR.....	91
15.1	Company Profile.....	91
15.2	Safe City & Smart City Products	91
15.3	Recent Events	92
15.4	Contact Information	93
16	3xLOGIC	94
16.1	Company Profile.....	94
16.2	Homeland Security & Public Safety Products.....	94
16.3	Recent Events	95
16.4	Contact Information	96
17	ABB	97
17.1	Company Profile.....	97
17.2	Safe City & Smart City Products	98
17.3	Recent Events	98
17.4	Contact Information	99
18	Accenture	100
18.1	Company Profile.....	100
18.2	Homeland Security & Public Safety Activities.....	101
18.3	Recent Events	101
18.4	Contact Information	102
19	ACTi Corporation	103
19.1	Company Profile.....	103
19.2	Homeland Security & Public Safety Products.....	103
19.3	Recent Events	103
19.4	Contact Information	105
20	ADT Security Services.....	106
20.1	Company Profile.....	106
20.2	Homeland Security & Public Safety Products.....	106
20.3	Recent Events	107
20.4	Contact Information	108
21	AeroVironment Inc.....	109
21.1	Company Profile.....	109
21.2	UAV Products.....	110
21.3	Recent Events	110
21.4	Contact Information	111
22	Agent Video Intelligence	112

22.1	Company Profile.....	112
22.2	Homeland Security & Public Safety Products.....	113
22.3	Recent Events.....	113
22.4	Contact Information.....	114
23	Airbus Defence and Space.....	115
23.1	Company Profile.....	115
23.2	Homeland Security & Public Safety Products.....	116
23.2.1	Monitoring Service.....	116
23.2.2	Platform & Service.....	116
23.3	Recent Events.....	116
23.4	Contact Information.....	117
24	Alcatel-Lucent (Nokia Group).....	118
24.1	Company Profile.....	118
24.2	Homeland Security & Public Safety Products.....	119
24.2.1	Cloud & Data Centers.....	119
24.2.2	Fixed Access.....	119
24.2.3	Content and Video delivery.....	120
24.2.4	Wireless Access.....	120
24.3	Recent Events.....	120
24.4	Contact Information.....	121
25	ALPHAOPEN.....	122
25.1	Company Profile.....	122
25.2	Homeland Security & Public Safety Products.....	122
25.3	Contact Information.....	123
26	American Science & Engineering Inc.....	124
26.1	Company Profile.....	124
26.2	X-Ray Homeland Security & Public Safety Products.....	125
26.2.1	AS&E HLS Cargo & Vehicle Inspection Products.....	125
26.2.2	AS&E HLS Parcel Inspection Products.....	125
26.2.3	AS&E HLS Personal Screening Products.....	125
26.2.4	AS&E HLS Software and Network Services.....	125
26.3	Recent Events.....	125
26.4	Contact Information.....	127
27	Anixter.....	128
27.1	Company Profile.....	128
27.2	Homeland Security & Public Safety Products.....	128
27.3	Recent Events.....	129
27.4	Contact Information.....	130
28	Aralia Systems.....	131
28.1	Company Profile.....	131
28.2	Homeland Security & Public Safety Products.....	131
28.3	Contact Information.....	132

29	AT&T Inc.	133
29.1	Company Profile.....	133
29.2	Safe City & Smart City Products	134
29.3	Recent Events.....	136
29.4	Contact Information.....	136
30	Augusta Systems	137
30.1	Company Profile.....	137
30.2	Safe City & Smart City Products	138
30.3	Contact Information.....	138
31	Austal	139
31.1	Company Profile.....	139
31.2	Patrol Boats Products.....	140
31.2.1	Austal Patrol Boats	140
31.3	Recent Events.....	140
31.4	Contact Information.....	141
32	Avigilon Corporation	142
32.1	Company Profile.....	142
32.2	Homeland Security & Public Safety Products.....	142
32.3	Recent Events.....	143
32.4	Contact Information.....	144
33	Aware	145
33.1	Company Profile.....	145
33.2	Biometric Products	145
33.3	Recent Events.....	146
33.4	Contact Information.....	147
34	Axis	148
34.1	Company Profile.....	148
34.2	Homeland Security & Public Safety Products.....	149
34.3	Recent Events.....	149
34.4	Contact Information.....	150
35	AxxonSoft	151
35.1	Company Profile.....	151
35.2	Homeland Security & Public Safety Products.....	151
35.3	Recent Events.....	151
35.4	Contact Information.....	152
36	Ayonix	153
36.1	Company Profile.....	153
36.2	Biometric Products	154
36.3	Recent Events.....	154
36.4	Contact Information.....	155
37	BAE Systems	156
37.1	Company Profile.....	156

37.2	Business Groups.....	156
37.2.1	Electronic Systems	157
37.2.2	Cyber & Intelligence.....	157
37.2.3	Platforms & Services (U.S.)	157
37.2.4	Platforms & Services (UK)	157
37.2.5	Platforms & Services (International)	157
37.3	Homeland Security & Public Safety Products.....	158
37.4	Recent Events.....	158
37.5	Contact Information.....	159
38	BioEnable Technologies Pvt Ltd	160
38.1	Company Profile.....	160
38.2	Homeland Security & Public Safety Products.....	160
38.2.1	Fingerprint Scanners	160
38.2.2	Face Recognition.....	161
38.2.3	Access Control System.....	161
38.3	Recent Events.....	161
38.4	Contact Information.....	161
39	BioLink Solutions	162
39.1	Company Profile.....	162
39.2	Biometrics Products	162
39.3	Recent Events.....	163
39.4	Contact Information.....	163
40	Boeing.....	164
40.1	Company Profile.....	164
40.2	Homeland Security & Public Safety Products.....	165
40.3	Recent Events.....	165
40.4	Contact Information.....	165
41	Bollinger Shipyards, Inc.....	166
41.1	Company Profile.....	166
41.2	Homeland Security & Public Safety Products.....	166
41.3	Recent Events.....	167
41.4	Contact Information.....	167
42	Bosch Security Systems	168
42.1	Company Profile.....	168
42.2	Homeland Security & Public Safety Products.....	168
42.3	Recent Events.....	169
42.4	Contact Information.....	170
43	Bruker Corporation.....	171
43.1	Company Profile.....	171
43.2	Homeland Security & Public Safety Products.....	171
43.2.1	Fire Mobile Gas Chromatography / Mass Spectrometry Products.....	171
43.2.2	Fourier Transform Infrared Products.....	172

43.2.3	Biochemical Technique Product	172
43.2.4	Radiological Detection Products	172
43.2.5	Ion-Mobility Spectrometry ETD Products	172
43.3	Recent Events	172
43.4	Contact Information	173
44	BT	174
44.1	Company Profile.....	174
44.2	Homeland Security & Public Safety Products.....	175
44.3	Recent Events	175
44.4	Contact Information	176
45	Camero	177
45.1	Company Profile.....	177
45.2	Homeland Security & Public Safety Products.....	177
45.3	Recent Events	178
45.4	Contact Information	178
46	Cassidian.....	179
46.1	Company Profile.....	179
46.2	Safe City & Smart City Products	179
46.3	Recent Events	179
46.4	Contact Information	180
47	CelPlan.....	181
47.1	Company Profile.....	181
47.2	Homeland Security & Public Safety Products.....	181
47.3	Recent Events	182
47.4	Contact Information	183
48	China Security & Surveillance, Inc.	184
48.1	Company Profile.....	184
48.2	Homeland Security & Public Safety Products.....	184
48.3	Contact Information	185
49	Cisco Systems	186
49.1	Company Profile.....	186
49.2	Homeland Security & Public Safety Products.....	187
49.2.1	Cisco Systems HLS Video Surveillance Products	187
49.2.2	Cisco Systems HLS Web Security Products.....	187
49.2.3	Cisco Systems HLS Router Security Products	187
49.2.4	Other Products.....	187
49.3	Recent Events	188
49.4	Contact Information	188
50	Citilog.....	189
50.1	Company Profile.....	189
50.2	Homeland Security & Public Safety Products.....	189
50.3	Recent Events	190

50.4	Contact Information	190
51	Cognitec Systems GmbH	191
51.1	Company Profile.....	191
51.2	Homeland Security & Public Safety Products.....	191
51.2.1	Cognitec Systems GmbH HLS Products	191
51.3	Recent Events	192
51.4	Contact Information	192
52	Computer Network Limited (CNL)	193
52.1	Company Profile.....	193
52.2	Safe City & Smart City Products	193
52.3	Recent Events	194
52.4	Contact Information	195
53	Computer Sciences Corporation	196
53.1	Company Profile.....	196
53.2	Homeland Security & Public Safety Products.....	197
53.3	Recent Events	197
53.4	Contact Information	197
54	CrossMatch	198
54.1	Company Profile.....	198
54.2	Homeland Security & Public Safety Products.....	199
54.3	Recent Events	199
54.4	Contact Information	200
55	Diebold.....	201
55.1	Company Profile.....	201
55.2	Homeland Security & Public Safety Products.....	201
55.3	Recent Events	201
55.4	Contact Information	202
56	DRS Technologies Inc.	203
56.1	Company Profile.....	203
56.2	Homeland Security & Public Safety Products.....	204
56.3	Recent Events	204
56.4	Contact Information	205
57	DVTel.....	206
57.1	Company Profile.....	206
57.2	Homeland Security & Public Safety Products.....	206
57.3	Recent Events	206
57.4	Contact Information	207
58	Elbit Systems Ltd.....	208
58.1	Company Profile.....	208
58.2	Homeland Security & Public Safety Products.....	209
58.2.1	Smart Fences	209
58.2.2	Day Night Surveillance	209

58.2.3	Perimeter and Border Security.....	209
58.2.4	Command & control	209
58.2.5	Safe City	209
58.2.6	ISR.....	209
58.3	Recent Events	210
58.4	Contact Information	210
59	Elsag Datamat	211
59.1	Company Profile.....	211
59.2	Homeland Security & Public Safety Products.....	211
59.3	Recent Events	212
59.4	Contact Information	213
60	Emerson Electric.....	214
60.1	Company Profile.....	214
60.2	Homeland Security & Public Safety Products.....	215
60.3	Recent Events	215
60.4	Contact Information	216
61	Ericsson.....	217
61.1	Company Profile.....	217
61.2	Safe City & Smart City Products	217
61.3	Recent Events	218
61.4	Contact Information	219
62	ESRI	220
62.1	Company Profile.....	220
62.2	Homeland Security & Public Safety Products.....	221
62.2.1	Maritime Bathymetry	221
62.2.2	State Government.....	221
62.2.3	Local Government	222
62.2.4	Defense and Intelligence Solutions.....	222
62.2.5	Desktop GIS	222
62.2.6	Server GIS	223
62.2.7	Mobile GIS.....	223
62.2.8	Developer GIS	223
62.2.9	Online GIS (ArcGIS Online)	224
62.3	Recent Events	224
62.4	Contact Information	224
63	FaceFirst.....	225
63.1	Company Profile.....	225
63.2	Homeland Security & Public Safety Products.....	225
63.3	Recent Events	226
63.4	Contact Information	227
64	Finmeccanica SpA.....	228
64.1	Company Profile.....	228
64.2	Homeland Security & Public Safety Products.....	229

64.2.1	Finmeccanica HLS Defence Systems.....	229
64.3	Recent Events.....	229
64.4	Contact Information.....	230
65	Firetide.....	231
65.1	Company Profile.....	231
65.2	Homeland Security & Public Safety Products.....	231
65.3	Recent Events.....	232
65.4	Contact Information.....	233
66	Fulcrum Biometrics LLC.....	234
66.1	Company Profile.....	234
66.2	Products.....	235
66.2.1	Biometric Fingerprint Scanners.....	235
66.2.2	Biometric Eye/Iris Cameras.....	236
66.2.3	Biometric Palm Vein Scanner.....	236
66.2.4	Live Scan Biometric Devices.....	236
66.2.5	Biometric Signature Pads.....	237
66.2.6	Mobile Biometric devices.....	237
66.3	Recent Events.....	237
66.4	Contact Information.....	238
67	G4S.....	239
67.1	Company Profile.....	239
67.2	Homeland Security & Public Safety Products.....	239
67.3	Recent Events.....	240
67.4	Contact Information.....	240
68	General Atomics Aeronautical Systems Inc.....	241
68.1	Company Profile.....	241
68.2	Homeland Security & Public Safety Products.....	241
68.2.1	UAVs.....	241
68.2.2	Sensor Systems.....	242
68.2.3	Ground Control Station.....	242
68.3	Recent Events.....	242
68.4	Contact Information.....	243
69	General Dynamics Corporation.....	244
69.1	Company Profile.....	244
69.2	Homeland Security & Public Safety Products.....	245
69.2.1	IS&T.....	245
69.2.2	Marine System.....	245
69.3	Recent Events.....	245
69.4	Contact Information.....	246
70	Getac Technology Corporation.....	247
70.1	Company Profile.....	247
70.2	Homeland Security & Public Safety Products.....	247
70.2.1	Rugged Notebooks.....	247

70.2.2	Rugged Tablets	248
70.2.3	Handhelds.....	248
70.2.4	Veretos	248
70.3	Recent Events.....	248
70.4	Contact Information	248
71	Hanwha Techwin.....	249
71.1	Company Profile.....	249
71.2	Homeland Security & Public Safety Products.....	250
71.3	Recent Events.....	250
71.4	Contact Information	251
72	Harris Corporation.....	252
72.1	Company Profile.....	252
72.2	Homeland Security & Public Safety Products.....	252
72.2.1	Harris HLS Civilian Government Solutions	252
72.2.2	Harris HLS and Defense Solutions	253
72.2.3	Harris Public Safety Communication Solutions.....	253
72.2.4	Harris HLS Products	253
72.3	Recent Events.....	254
72.4	Contact Information	255
73	Hewlett Packard Enterprise	256
73.1	Company Profile.....	256
73.2	Homeland Security & Public Safety Products.....	257
73.2.1	Application Security Solutions.....	257
73.2.2	Cryptology.....	257
73.2.3	Cyber-Security	257
73.2.4	Security Information & Event Management (SIEM) Solutions.....	257
73.3	Recent Events.....	258
73.4	Contact Information	258
74	Hexagon AB	259
74.1	Company Profile.....	259
74.2	Homeland Security & Public Safety Products.....	259
74.3	Recent Events.....	260
74.4	Contact Information	261
75	Honeywell International Inc.	262
75.1	Company Profile.....	262
75.2	Homeland Security & Public Safety Products.....	263
75.2.1	Video Surveillance Cameras.....	263
75.2.2	Video Recording	263
75.2.3	Fire and Gas Detection and Alarm.....	263
75.3	Recent Events.....	264
75.4	Contact Information	264
76	Huawei Technologies Co., Ltd.....	265
76.1	Company Profile.....	265

76.2	Homeland Security & Public Safety Products.....	266
76.2.1	Video Surveillance Camera Products	266
76.2.2	eLTE Broadband Trunking Systems	266
76.2.3	Safe City	266
76.2.4	Command and Control systems.....	266
76.2.5	Other Public Safety Products.....	266
76.3	Recent Events	267
76.4	Contact Information	267
77	IBM	268
77.1	Company Profile.....	268
77.2	Homeland Security & Public Safety Products.....	269
77.2.1	Fraud Protection Solutions.....	269
77.2.2	Data Security and Privacy Solutions.....	269
77.2.3	Identity and Access Management Solutions	269
77.2.4	Network Protection Solutions.....	270
77.2.5	Security Intelligence and Analytics Solutions.....	270
77.3	Recent Events	271
77.4	Contact Information	272
78	IndigoVision	273
78.1	Company Profile.....	273
78.2	Homeland Security & Public Safety Products.....	273
78.3	Recent Events	273
78.4	Contact Information	274
79	Intel Security	275
79.1	Company Profile.....	275
79.2	Safe City & Smart City Products	275
79.3	Recent Events	276
79.4	Contact Information	277
80	IntuVision Inc	278
80.1	Company Profile.....	278
80.2	Homeland Security & Public Safety Products.....	278
80.3	Recent Events	278
80.4	Contact Information	279
81	iOmniscient	280
81.1	Company Profile.....	280
81.2	Homeland Security & Public Safety Products.....	280
81.3	Recent Events	282
81.4	Contact Information	283
82	IPConfigure	284
82.1	Company Profile.....	284
82.2	Homeland Security & Public Safety Products.....	284
82.3	Recent Events	284
82.4	Contact Information	286

83	IPS Intelligent Video Analytics.....	287
83.1	Company Profile.....	287
83.2	Homeland Security & Public Safety Products.....	287
83.3	Recent Events.....	287
83.4	Contact Information.....	288
84	Iris ID Systems, Inc.	289
84.1	Company Profile.....	289
84.2	Homeland Security & Public Safety Products.....	289
84.2.1	Iris Access Control Systems.....	289
84.2.2	Biometric Iris and Face Recognition Devices.....	290
84.3	Recent Events.....	290
84.4	Contact Information.....	290
85	IriTech Inc.	291
85.1	Company Profile.....	291
85.2	Homeland Security & Public Safety Products.....	292
85.2.1	Iri Shield Series.....	292
85.2.2	Iri Magic Series.....	292
85.3	Recent Events.....	292
85.4	Contact Information.....	293
86	Israel Aerospace Industries Ltd.....	294
86.1	Company Profile.....	294
86.2	Homeland Security & Public Safety Products.....	295
86.2.1	Cyber Intelligence Systems.....	295
86.2.2	Border Protection Products.....	295
86.2.3	COMINT System Products.....	295
86.2.4	Patrol Boats.....	295
86.2.5	Traffic Management Products.....	296
86.2.6	Electro-Optical Imaging System Products.....	296
86.2.7	Unmanned Air System (UAV) Products.....	296
86.2.8	Surveillance System Products.....	296
86.3	Recent Events.....	296
86.4	Contact Information.....	297
87	ISS.....	298
87.1	Company Profile.....	298
87.2	Homeland Security & Public Safety Products.....	298
87.3	Recent Events.....	299
87.4	Contact Information.....	299
88	L-3 Security & Detection Systems.....	300
88.1	Company Profile.....	300
88.2	Security & Detection Systems Explosives and Weapons Screening Products.....	301
88.2.1	TSA Certified.....	301
88.2.2	TSA Checkpoint Qualified.....	302

88.2.3	EU Standard 3 Approved	302
88.2.4	EU Standard 2 Approved	303
88.2.5	EU Checkpoint Qualified.....	303
88.2.6	DfT Approved.....	303
88.2.7	DfT Air Cargo Compliant.....	303
88.2.8	Transport Canada Qualified.....	304
88.2.9	Civil Aviation Administration of China (CAAC) certified	304
88.2.10	STAC Approved.....	304
88.3	Recent Events	304
88.4	Contact Information	305
89	Leidos, Inc.	306
89.1	Company Profile.....	306
89.2	Homeland Security & Public Safety Products.....	306
89.2.1	Gamma Ray Container and Vehicle Screening Systems.....	306
89.2.2	Tomographic Explosives Detection Systems (EDS)	307
89.2.3	Nuclear Detection Portals	307
89.2.4	X-Ray Explosives Detection Systems	307
89.2.5	Other HLS Systems	307
89.3	Recent Events	308
89.4	Contact Information	308
90	Lockheed Martin Corporation	309
90.1	Company Profile.....	309
90.2	Homeland Security & Public Safety Products.....	310
90.2.1	Ground Vehicles	310
90.2.2	Unmanned Systems	310
90.2.3	Sensor and Situational Awareness	311
90.2.4	Cybersecurity	311
90.2.5	Biometrics	311
90.3	Recent Events	311
90.4	Contact Information	313
91	MACROSCOP	314
91.1	Company Profile.....	314
91.2	Homeland Security & Public Safety Products.....	314
91.3	Recent Events	314
91.4	Contact Information	315
92	MDS.....	316
92.1	Company Profile.....	316
92.2	Homeland Security & Public Safety Products.....	316
92.3	Contact Information	317
93	Mer group	318
93.1	Company Profile.....	318
93.2	Homeland Security & Public Safety Products.....	319
93.3	Recent Events	321

93.4	Contact Information	321
94	Milestone Systems A/S.....	322
94.1	Company Profile.....	322
94.2	Homeland Security & Public Safety Products.....	322
94.3	Recent Events	323
94.4	Contact Information	323
95	Mirasys	324
95.1	Company Profile.....	324
95.2	Homeland Security & Public Safety Products.....	324
95.3	Recent Events	324
95.4	Contact Information	325
96	Motorola Solutions, Inc.	326
96.1	Company Profile.....	326
96.2	Homeland Security & Public Safety Products.....	327
96.2.1	Audio Products	327
96.2.2	LTE Devices	327
96.2.3	Two Way Radio Products	327
96.2.4	Public Safety Solutions	329
96.3	Recent Events	330
96.4	Contact Information	331
97	National Instruments	332
97.1	Company Profile.....	332
97.2	Homeland Security & Public Safety Products.....	332
97.3	Recent Events	332
97.4	Contact Information	333
98	NEC Corporation.....	334
98.1	Company Profile.....	334
98.2	Homeland Security & Public Safety Products.....	335
98.2.1	Critical Infrastructure Management Solutions	335
98.2.2	Biometrics Solutions	335
98.2.3	Cybersecurity.....	335
98.3	Recent Events	335
98.4	Contact Information	338
99	NICE Systems.....	339
99.1	Company Profile.....	339
99.2	Homeland Security & Public Safety Products.....	339
99.3	Recent Events	340
99.4	Contact Information	341
100	Northrop Grumman Corporation	342
100.1	Company Profile.....	342
100.2	Homeland Security & Public Safety Products.....	343
100.2.1	Unmanned Systems	343

100.2.2	C4ISR Products	344
100.3	Recent Events	344
100.4	Contact Information	346
101	Nuance Communications, Inc.....	347
101.1	Company Profile.....	347
101.2	Homeland Security & Public Safety Products.....	348
101.2.1	Public Security Products	348
101.3	Recent Events	348
101.4	Contact Information	348
102	ObjectVideo	349
102.1	Company Profile.....	349
102.2	Homeland Security & Public Safety Products.....	349
102.3	Recent Events	350
102.4	Contact Information	350
103	Panasonic Corporation	351
103.1	Company Profile.....	351
103.2	Homeland Security & Public Safety Products.....	352
103.2.1	Video Surveillance Products	352
103.2.2	Surveillance Monitor Products	353
103.2.3	Network Security Camera Products.....	353
103.2.4	Analog Security Camera Products.....	353
103.2.5	Evidence Collection System Products	354
103.3	Recent Events	354
103.4	Contact Information	355
104	Pelco	356
104.1	Company Profile.....	356
104.2	Homeland Security & Public Safety Products.....	356
104.3	Recent Events	357
104.4	Contact Information	357
105	Pivot3	358
105.1	Company Profile.....	358
105.2	Homeland Security & Public Safety Products.....	358
105.3	Recent Events	359
105.4	Contact Information	360
106	Proximex.....	361
106.1	Company Profile.....	361
106.2	Homeland Security & Public Safety Products.....	361
106.3	Recent Events	361
106.4	Contact Information	362
107	QinetiQ Limited	363
107.1	Company Profile.....	363
107.2	Homeland Security & Public Safety Products.....	364

107.2.1	Bomb Disposal / Explosive Ordnance Disposal Products	364
107.2.2	Reconnaissance Robot Products.....	364
107.2.3	Hazardous Material Detection (HAZMAT) and Fire-Fighting Products.....	364
107.3	Recent Events	364
107.4	Contact Information	365
108	Rapiscan Systems, Inc.	366
108.1	Company Profile.....	366
108.2	Homeland Security & Public Safety Products.....	367
108.2.1	X-Ray Baggage and Parcel Screening Products	367
108.2.2	X-Ray Baggage Inspection Products	367
108.2.3	Medium and Small Parcel X-Ray Screening Products	367
108.2.4	Pallet and Cargo X-Ray Screening Products	367
108.2.5	Air Cargo X-Ray Screening Products	367
108.2.6	MobileCheck Inspection Products.....	368
108.2.7	Advanced Technology Options	368
108.2.8	Cargo and Vehicle Inspection Products	368
108.2.9	Hold Baggage Screening Products.....	368
108.2.10	People Screening Products	369
108.2.11	Radiation Detection Products	369
108.2.12	Explosives Trace Detection (ETD) Product.....	369
108.2.13	Counter Bomber Product	369
108.3	Recent Events	370
108.4	Contact Information	371
109	Raytheon	372
109.1	Company Profile.....	372
109.2	Homeland Security & Public Safety Products.....	373
109.2.1	Interception Products.....	373
109.2.2	Ground-based Air Defense Products	373
109.2.3	Ballistic Missile Defense Products	373
109.2.4	UAV Products	374
109.2.5	Airborne Surveillance Products.....	374
109.2.6	Maritime Surveillance Products	374
109.3	Recent Events	374
109.4	Contact Information	375
110	Rockwell Collins, Inc.	376
110.1	Company Profile.....	376
110.2	Homeland Security & Public Safety Products and Services	377
110.2.1	Integrated Hazard Surveillance Products	377
110.2.2	Traffic Surveillance Products	377
110.2.3	Soldier System Products.....	378
110.2.4	Control Systems	378
110.2.5	Industrial Control Components	378
110.2.6	Information Software.....	378

110.2.7	Sensing Devices	378
110.2.8	Biometrics	378
110.2.9	Network Technology	378
110.2.10	Safety Technology	379
110.2.11	Industrial Security	379
110.2.12	Services	379
110.2.13	Solutions	379
110.3	Recent Events	380
110.4	Contact Information	381
111	Safran S.A.	382
111.1	Company Profile.....	382
111.2	Homeland Security & Public Safety Products.....	383
111.2.1	Biometric Identity Solutions.....	383
111.2.2	Public Security Products and Solutions	383
111.2.3	Aviation and Border Security Products and Solutions.....	383
111.2.4	Explosives and Weapon Detection Products and Solutions.....	383
111.2.5	Biometric Products and Solutions	384
111.2.6	UAV Systems.....	384
111.3	Recent Events	384
111.4	Contact Information	385
112	Salient Sciences	386
112.1	Company Profile.....	386
112.2	Homeland Security & Public Safety Products.....	386
112.3	Recent Events	386
112.4	Contact Information	387
113	Schneider Electric	388
113.1	Company Profile.....	388
113.2	Homeland Security & Public Safety Products.....	388
113.3	Recent Events	389
113.4	Contact Information	390
114	SeeTec	391
114.1	Company Profile.....	391
114.2	Homeland Security & Public Safety Products.....	391
114.3	Recent Events	391
114.4	Contact Information	392
115	Siemens	393
115.1	Company Profile.....	393
115.2	Homeland Security & Public Safety Products.....	394
115.3	Recent Events	394
115.4	Contact Information	395
116	Smart China (Holdings) Limited	396
116.1	Company Profile.....	396
116.2	Contact Information	396

117	Smiths Detection Inc.	397
117.1	Company Profile.....	397
117.2	Homeland Security & Public Safety Products.....	398
117.2.1	Product Lines.....	398
117.2.2	Cargo, Container & Vehicle Screening Products	398
117.2.3	Chemical Identification Products.....	399
117.2.4	Liquid Explosives Detection Products.....	399
117.2.5	Explosive/Narcotics Trace Detection Products	399
117.2.6	People Screening Products	399
117.2.7	Security Checkpoint Solution Products.....	400
117.2.8	Radiation Detection Product	400
117.2.9	Chemical Agents Detection Products	400
117.3	Recent Events.....	400
117.4	Contact Information.....	403
118	Sony Corp.	404
118.1	Company Profile.....	404
118.2	Homeland Security & Public Safety Products.....	404
118.3	Recent Events.....	405
118.4	Contact Information.....	406
119	Speech Technology Center	407
119.1	Company Profile.....	407
119.2	Homeland Security & Public Safety Products.....	408
119.2.1	Intelligence Services Products.....	408
119.2.2	Forensic Analysis Tools Product.....	408
119.3	Recent Events.....	408
119.4	Contact Information.....	409
120	Suprema Inc.	410
120.1	Company Profile.....	410
120.2	Homeland Security & Public Safety Products.....	411
120.2.1	Biometric Devices	411
120.2.2	RFID Products	411
120.2.3	Scanning Products.....	411
120.3	Recent Events.....	411
120.4	Contact Information.....	413
121	Synectics Plc	414
121.1	Company Profile.....	414
121.2	Homeland Security & Public Safety Products.....	414
121.3	Recent Events.....	415
121.4	Contact Information.....	416
122	Tandu Technologies & Security Systems Ltd.	417
122.1	Company Profile.....	417
122.2	Recent Events.....	417
122.3	Contact Information.....	417

123	Texas Instruments	418
	123.1 Company Profile.....	418
	123.2 Homeland Security & Public Safety Products.....	418
	123.3 Recent Events.....	420
	123.4 Contact Information.....	421
124	Textron Inc.	422
	124.1 Company Profile.....	422
	124.2 Homeland Security & Public Safety Products.....	423
	124.2.1 ISR Aircrafts.....	423
	124.2.2 UAV & UGV Products	423
	124.2.3 Protection Systems.....	423
	124.2.4 Special Forces	423
	124.2.5 Smart Weapon Products.....	424
	124.3 Recent Events.....	424
	124.4 Contact Information.....	424
125	Thales Group.....	425
	125.1 Company Profile.....	425
	125.2 Homeland Security & Public Safety Products.....	426
	125.2.1 Air-Borne ISR Products.....	426
	125.2.2 Unmanned Aerial Vehicle (UAV) Systems	426
	125.2.3 Security Systems	426
	125.3 Recent Events.....	426
	125.4 Contact Information.....	427
126	Total Recall.....	428
	126.1 Company Profile.....	428
	126.2 Homeland Security & Public Safety Products.....	429
	126.3 Recent Events.....	429
	126.4 Contact Information.....	430
127	Unisys Corporation.....	431
	127.1 Company Profile.....	431
	127.2 Homeland Security & Public Safety Products.....	432
	127.3 Recent Events.....	432
	127.4 Contact Information.....	432
128	Verint.....	433
	128.1 Company Profile.....	433
	128.2 Homeland Security & Public Safety Products.....	433
	128.3 Recent Events.....	434
	128.4 Contact Information.....	435
129	Vialogy LLC	436
	129.1 Company Profile.....	436
	129.2 Safe City & Smart City Products	436
	129.3 Contact Information.....	436

130	Vigilant Technology	437
130.1	Company Profile.....	437
130.2	Homeland Security & Public Safety Products.....	437
130.3	Recent Events.....	438
130.4	Contact Information.....	439
131	Zhejiang Dahua Technology	440
131.1	Company Profile.....	440
131.2	Homeland Security & Public Safety Products.....	440
131.3	Recent Events.....	440
131.4	Contact Information.....	441
132	Abbreviations	442
133	Research Scope & Methodology	454
133.1	Research Scope.....	454
133.2	Research Methodology.....	454
134	Disclaimer & Copyright	456

List of Tables

Table 1 - Global Homeland Security & Public Safety Industry Revenues [\$B] – 2015-2022	26
Table 2 - Competitive Analysis: Barriers to New Entry, Supplier Power and Barriers to Substitution	27
Table 3 - Global Geopolitical Scenario 2022 Outlook.....	47
Table 4 - 95 Homeland Security & Public Safety Industry, M&A Cases	58
Table 5 - European Homeland Security and Public Safety Standards	61

List of Figures

Figure 1 - Global Homeland Security & Public Safety Industry Revenues [\$B] – 2015-2022	26
Figure 2 - Government - Industry Homeland Security & Public Safety Life Cycle	42
Figure 3 - Government – Private Sector Techno-Tactical Technology Assessment Process	43
Figure 4 - Homeland Security & Public Safety Industry - Government Relationship	44
Figure 5 - The Homeland Security & Public Safety Vendor - Client Inter-Relationship	45
Figure 6 - Homeland Security & Public Safety Marketplace: Supply & Demand Relationship	51
Figure 7 - Counter Terror & PS Segments Products by Supply & Demand.....	53