

AI Global Surveillance (AIGS) Index

Country	Region	Aggregate Regime		"Freedom on the Net 2018" Status	"Freedom on the Net 2018" Total Score	Military Expenditures (USD) 2018	Military Expenditures Global Ranking (2018)	Belt & Road Initiative Countries	China ODI - Global Ranking (EIU)	Smart City/Safe City	Facial Recognition	Smart Policing	China AI Tech	US AI Tech	Japan AI Tech	Key Companies
		Score 2018	Regime Type													
Algeria	MENA	3.32	EA			9583.7	25		56		✓	✓				BAE, Huawei
Argentina	WHA	7.87	ED	FREE	28	4145.0	43		51	✓	✓	✓			✓	Axis, Bosch, Dahua, Huawei, NEC, ZTE
Armenia	EUR	4.94	EA	FREE	27	608.9	81	✓		✓	✓	✓				Hikvision, Huawei
Australia	EAP	9.18	LD	FREE	21	26711.8	13		5	✓	✓	✓	✓	✓	✓	CrowdOptic, Hikvision, Huawei, Infinova, NEC, Palantir
Bahrain	MENA	1.72	CA	NOT FREE	71	1396.8	65	✓			✓	✓	✓			Dahua
Bangladesh	SCA	4.36	EA	PARTLY FREE	51	3894.7	44	✓		✓	✓	✓	✓			Huawei
Bolivia	WHA	6.27	ED			618.8	79	✓		✓	✓	✓	✓			CEIEC, Huawei, ZTE
Botswana	AF	7.33	ED			529.5	86			✓	✓	✓	✓			Huawei
Brazil	WHA	7.30	ED	PARTLY FREE	31	27766.4	12		52	✓	✓	✓	✓	✓		Axis, Dahua, IBMN
Burma/Myan	EAP	4.18	EA	NOT FREE	64	2030.5	58	✓		✓	✓	✓	✓			Hikvision, Huawei
Canada	WHA	9.18	LD	FREE	15	21620.6	14		8	✓	✓	✓	✓	✓		Avigilon, Palantir
Chile	WHA	8.63	LD			5570.7	34		9	✓	✓	✓	✓			Huawei
China	EAP	1.77	CA	NOT FREE	88	249996.9	2			✓	✓	✓	✓	✓	✓	Multi; Axis, Bosch, IBM, Microsoft, Seagate, Qualcomm
Colombia	WHA	6.73	ED	PARTLY FREE	31	10602.9	24		55	✓	✓	✓	✓		✓	NEC
Czech Republ	EUR	8.34	LD			2710.0	53	✓	16	✓	✓	✓	✓			
Denmark	EUR	9.27	LD			4228.2	42		17	✓	✓	✓	✓	✓		Avigilon, BrainChip, Cisco, Hikvision, Palantir
Ecuador	WHA	6.43	ED	PARTLY FREE	40	2549.4	55		57	✓	✓	✓	✓	✓		CEIEC, Cisco, Huawei
Egypt	MENA	2.56	EA	NOT FREE	72	3110.0	51	✓	49	✓	✓	✓	✓	✓		Honeywell, Huawei
France	EUR	8.43	LD	FREE	25	63799.7	5		27	✓	✓	✓	✓	✓	✓	Hikvision, Huawei, Palantir, Telete, Thales, ZTE
Georgia	EUR	6.19	ED	FREE	25	316.5	100	✓			✓	✓	✓		✓	NEC
Germany	EUR	8.82	LD	FREE	19	49470.6	8		20	✓	✓	✓	✓	✓		Cisco, Huawei, Palantir
Ghana	AF	7.14	ED			218.4	110			✓	✓	✓	✓			Huawei
Hong Kong	EAP	5.14	ED						3		✓	✓	✓			Bosch, Huawei
India	SCA	6.60	ED	PARTLY FREE	43	66510.3	4		36	✓	✓	✓	✓	✓	✓	ADRIN, Hikvision, IBM, Infinova, Microsoft, NEC
Indonesia	EAP	6.63	ED	PARTLY FREE	46	7437.2	26	✓	26	✓	✓	✓	✓	✓	✓	Huawei, NEC, PT Industri Telekomunikasi Indonesia
Iran	MENA	3.57	EA	NOT FREE	85	13194.2	18	✓	19	✓	✓	✓	✓			Hikvision
Iraq	MENA	3.36	EA			6318.0	32	✓		✓	✓	✓	✓			Huawei
Israel	MENA	5.99	ED			15946.8	17	✓	11	✓	✓	✓	✓	✓		AnyVision, BriefCam, Elbit, IBM, NICE, Verint
Italy	EUR	8.45	LD	FREE	25	27807.5	11	✓	50	✓	✓	✓	✓			Huawei
Ivory Coast	AF	5.25	ED			607.8	82			✓	✓	✓	✓			Huawei
Japan	EAP	8.56	LD	FREE	25	46618.0	9		14	✓	✓	✓	✓		✓	Hikvision, NEC
Kazakhstan	SCA	3.01	EA	NOT FREE	62	1613.6	64	✓	12	✓	✓	✓	✓	✓		Analytical Business Solutions, Huawei, Speech Technology Center
Kenya	AF	3.93	EA	PARTLY FREE	32	1097.5	69	✓		✓	✓	✓	✓		✓	Huawei, NEC, Safaricom
Kyrgyzstan	SCA	4.61	EA	PARTLY FREE	38	121.2	118	✓		✓	✓	✓	✓			Huawei
Laos	EAP	2.46	CA					✓		✓	✓	✓	✓			Huawei
Lebanon	MENA	3.62	EA	PARTLY FREE	47	2775.6	52	✓		✓	✓	✓	✓	✓		Crestron, Guardia
Malaysia	EAP	5.67	ED	PARTLY FREE	45	3469.8	49	✓	4	✓	✓	✓	✓		✓	Huawei, NEC, Yitu
Malta	EUR	8.25	LD			69.3	128			✓	✓	✓	✓			Huawei
Mauritius	AF	8.46	LD			23.2	141	✓		✓	✓	✓	✓			Huawei
Mexico	WHA	5.93	ED	PARTLY FREE	40	6567.5	31		44	✓	✓	✓	✓	✓		Cisco, Dahua, Infinova, Telmex, Thales
Mongolia	EAP	6.18	ED			96.1	122	✓		✓	✓	✓	✓			Dahua, SenseTime
Morocco	MENA	5.49	ED	PARTLY FREE	45	3696.9	47	✓		✓	✓	✓	✓	✓		BAE, Huawei
Namibia	AF	6.88	ED			451.5	89				✓	✓	✓			Otesa
Netherlands	EUR	9.13	LD			11242.8	21		31	✓	✓	✓	✓			Huawei, IDEMIA
New Zealand	EAP	9.26	LD			2262.9	56	✓	35	✓	✓	✓	✓	✓		Palantir
Nigeria	AF	4.47	EA	PARTLY FREE	37	2043.1	57		58		✓	✓	✓			Huawei
Oman	MENA	2.41	CA			6710.0	30	✓		✓	✓	✓	✓	✓		BAE, Huawei, Idemia
Pakistan	SCA	4.44	EA	NOT FREE	73	11375.5	20	✓	41	✓	✓	✓	✓			Huawei
Panama	WHA	7.78	ED			0.0		✓		✓	✓	✓	✓	✓		FaceFirst, Huawei, Infinova
Philippines	EAP	6.02	ED	PARTLY FREE	31	3769.7	46	✓	28	✓	✓	✓	✓	✓		Boeing, CITCC, IBM, Huawei
Qatar	MENA	2.21	CA					✓		✓	✓	✓	✓			BAE, Orange
Romania	EUR	6.95	ED			4608.7	40	✓	34	✓	✓	✓	✓	✓		Cisco, Telekom Romania, ZTE

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Russia	EUR	2.60 EA	NOT FREE	67	61387.5	6 ✓	10 ✓	✓	✓	✓	✓	Analytical Business Solutions, Cisco, Huawei, NtechLab, Speech Technology Center
Rwanda	AF	2.75 EA	PARTLY FREE	55	119.0	119 ✓	✓			✓		Huawei
Saudi Arabia	MENA	0.97 CA	NOT FREE	73	67554.7	3 ✓	24 ✓	✓	✓	✓	✓	Briefcam, Gatekeeper, Hikvision, Huawei, Hugslock, IBM, NEC
Serbia	EUR	5.68 ED			904.3	73 ✓	✓	✓		✓		Huawei
Singapore	EAP	5.15 ED	PARTLY FREE	41	10841.0	22 ✓	1 ✓	✓	✓	✓	✓	Accenture, AGT, Airbus, Dassault, Huawei, NEC, Tascent, Yitu
South Africa	AF	7.44 ED	FREE	25	3639.9	48 ✓	43 ✓	✓	✓	✓		Huawei
South Korea	EAP	8.32 LD	FREE	36	43070.0	10 ✓	7 ✓	✓	✓		✓	Axis, IBM, Korea Telecom, LG Uplus, SK Telecom
Spain	EUR	8.56 LD			18248.3	16	42 ✓	✓	✓	✓	✓	Herta, Huawei, IBMN, SICE
Switzerland	EUR	9.15 LD			4795.8	38	6 ✓	✓				Ekin
Taiwan	EAP	8.35 LD			10713.7	23	13	✓			✓	Gorilla, Lilin, NEC
Tajikistan	SCA	1.52 CA				✓	✓	✓		✓		Huawei
Thailand	EAP	3.08 EA	NOT FREE	65	6829.2	29 ✓	18 ✓	✓		✓	✓	Huawei, Megvii, Panasonic, ZTE
Turkey	EUR	3.65 EA	PARTLY FREE	66	18967.1	15 ✓	46	✓	✓	✓	✓	Avigilon, Dahua, Infinova, HAVESLAN, Infinova
Uganda	AF	4.18 EA	PARTLY FREE	41	408.4	94	✓	✓		✓		Huawei
Ukraine	EUR	5.26 ED	PARTLY FREE	45	4750.2	39 ✓	47 ✓	✓		✓	✓	Hikvision, Huawei, Microsoft
United Arab	IMENA	1.87 CA	NOT FREE	69		✓	✓	✓	✓	✓	✓	BAE, BriefCam, Hikvision, Huawei, IBM, NEC
United Kingd	EUR	8.86 LD	FREE	23	49997.2	7	40 ✓	✓	✓	✓	✓	Hikvision, NEC, Palantir
United States	WHA	8.30 LD	FREE	22	648798.3	1	2 ✓	✓	✓	✓	✓	Mult; Amazon, Cognito, Hikvision, IBM, Infinova, Palantir, PredPol, Pelco, Avigilon
Uruguay	WHA	9.01 LD			1168.1	68	✓	✓	✓	✓	✓	Palantir, Herta, ZTE
Uzbekistan	SCA	1.65 CA	NOT FREE	75		✓	✓	✓		✓		Huawei, Infinova, Speech Technology Center
Venezuela	WHA	2.49 CA	NOT FREE	66		✓	59	✓		✓		CEIEC, Huawei, ZTE
Zambia	AF	4.83 EA	PARTLY FREE	42	378.0	98		✓		✓		Hikvision, Huawei, ZTE
Zimbabwe	AF	3.18 EA	PARTLY FREE	53	420.4	91		✓	✓	✓		CloudWalk, Hikvision, Huawei

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Key & Source Notes

CA	Closed Autocracy
EA	Electoral Autocracy
ED	Electoral Democracy
LD	Liberal Democracy
AF	Africa
EAP	East Asia & Pacific
EUR	Europe & Eurasia
MENA	Middle East & North Africa
SCA	South & Central Asia
WHA	Western Hemisphere

Source Notes:

- **Aggregate Regime Score:** Comprised of evenly weighted average of country scores from Freedom in the World 2019, <https://freedomhouse.org/report/countries-world-freedom-2019>; the EIU Democracy Index 2018, <https://www.eiu.com/topic/democracy-index>; and the V-Dem Dataset version 9, Electoral Democracy Index, <https://www.v-dem.net/en/data/data-version-9/>.
- **Regime Type:** The AIGS Index uses a four-part regime category typology established by V-Dem and Regimes of the World: closed autocracies, electoral autocracies, electoral democracies, and liberal democracies. Countries with an average score less than 2.5 are labeled closed autocracies. Countries with an average score between 4.9 and 2.5 are labeled electoral autocracies. Countries with an average score between 7.9 and 5.0 are labeled electoral democracies. Countries with an average score of 8 or higher are labeled liberal democracies. See Anna Lührmann, Marcus Tannenber, and Staffan I. Lindberg, “Regimes of the World (RoW): Opening New Avenues for the Comparative Study of Political Regimes,” *Politics & Governance* 6, no. 1 (2018).
- “Freedom on the Net 2018” data can be accessed at <https://freedomhouse.org/report/freedom-net/freedom-net-2018>.
- Military expenditure data compiled by the Stockholm International Peace Research Institute and can be accessed at <https://www.sipri.org/databases/milex>.

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- Data on Belt and Road Initiative participating countries compiled from Dan Kliman and Abigail Grace's report, "Power Play: Addressing China's Belt and Road Strategy," Center for a New American Security, 2018, <https://s3.amazonaws.com/files.cnas.org/documents/CNASReport-Power-Play-Addressing-Chinas-Belt-and-Road-Strategy.pdf?mtime=20180920093003>, as well as from open source reporting.
- Data for China's overseas direct investment compiled by the Economist Intelligence Unit, "China Going Global Investment Index 2017," http://pages.eiu.com/rs/753-RIQ-438/images/ODI_in_China_2017_English.pdf.