

Israel

6. ISRAEL

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Major Changes

- Four batteries of the Iron Dome anti rocket system entered operational service. Four more batteries will be acquired in the near future. A third Arrow BMD battery has entered service. The battery is equipped with the new Arrow-2 system.
 - The Israeli Army is still absorbing its Merkava Mk IV MBTs, while withdrawing older MBTs from service. Following the lessons of the second Lebanon war, the Army is equipping its MBTs with the "Trophy" APS. The system has scored its first successful intercept
 - The Israeli Army is also absorbing its first "Namer" IFVs which are based on the Merkava automotive system. These IFVs are manufactured both in Israel and in the USA.
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General Data

Official Name of the State: State of Israel

Head of State: President Shimon Peres

Prime Minister: Benjamin Netanyahu

Minister of Defense: Ehud Barak

Chief of General Staff: Lieutenant General Benny Gantz

Commander of Army HQ: Major General Sami Turgeman

Commander of the Air Force: Major General Ido Nehushtan

Commander of the Navy: Rear Admiral Ram Rothberg

Area: 22,145 sq. km, including East Jerusalem and its vicinity, and the Golan Heights.

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Population: 7,400,000

Demography

Ethnic groups		
• Jews	5,680,000	80.2%
• Arabs, Druze, and others	1420,000	19.8%
Religious groups		
• Jews	5,680,000	80.2%
• Muslims	1,136,000	16.1%
• Christians	142,000	2.1%
• Druze and others	114,000	1.6%

Economic Data

		2005	2006	2007	2008	2009
• GDP (current price)	\$ bn	133.2	143.8	164.0	199.0	178.1
• GDP per capita	\$	19,304	20,254	22,778	27,260	24,068
• Real GDP growth	%	5.1	5.2	5.4	4.0	-1.3
• Consumer price index	%	1.4	2.1	0.5	4.6	2.8
• External debt	\$ bn	77.5	86.5	89.1	85.3	84.0
Balance of payments						
• Exports fob	\$ bn	39.8	43.3	50.3	57.2	45.7
• Imports fob	\$ bn	-43.9	-47.1	-55.9	-64.4	-50.8
• Current account balance	\$ bn	4.2	7.2	4.3	2.2	4.2
Government expenditure						
• Public expenditure/ GDP	%	33.7	34.0	32.7	32.3	35.0
• Defense expenditure	\$ bn	10.1	12.0	15.0	15.3	15.1
• Real change in defense expenditure	%	5.1	18.8	25.0	2.0	-1.4
• Defense expenditure/GDP	%	7.6	8.3	9.1	7.7	8.5
Population	m	6.9	7.1	7.2	7.3	7.4
Official exchange rate	NIS:\$1	4.6	4.23	3.85	3.8	4.05

Sources: EIU Quarterly Report, EIU Country Profile, IMF International Financial Statistical Yearbook, SIPRI Yearbook

Foreign Military Cooperation

Type	Details
Foreign forces	USA (120), pre-positioning of \$800 million worth of stockpiled US military equipment, TPY-2 AMD radar
Joint maneuvers	Greece (2011), Italy (2010), Jordan (2009), Romania (2011), Turkey (2009), US (2011)
Security cooperation	Canada (2011), Greece (2011), Poland (2011), Russia

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Type	Details
accords	(2010), US

Arms Trade

Arms Procurement and Security Assistance Received

Country	Type	Details
Canada	• Arms transfers	Upgrading of C-130H (2008)
Germany	• Arms transfers	Dolphin submarines (2011), MAKO A-100 corvettes (2009 – postponed)
	• Assistance	Partial financial support for submarines constructed in Germany (2009)
Italy	• Arms transfers	SAR radars for UAVs (2011)
US	• Arms transfers	AH-64D Longbow helicopters (2011), upgrade to Patriot PAC-3 SAMs (2011), JDAMs guided bombs (2007), Gulfstream G550 aircraft (2007), GBU-28 bombs (2009), David LAVs (2009), BLU-109 bombs (2007), Paveway-2 bombs (2007), Sidewinder AAMs (2007), AMRAAM AAMs (2007), Harpoon SSMs (2007), TOW-2A ATGMs (2007), Hellfire ATGMs (2007), D-9 (2010), C-130J aircraft (2011), T-6 Texan aircraft (2009), GBU-39 bombs (2010) TPQ-48 radar (2009), F-35 JSF (2010), GBU-54 LJDAM (2010), AT-802 firefighter aircraft (2011)
	• Assistance	\$3.075 billion annual military aid in FY2012 (2011); additional special military aid to BMD projects (\$205m in FY 2011, \$236m in FY2012)
	• Cooperation in arms production	Namer IFVs (2010), David Sling ABM (2011), Arrow-3 ABM (2011)
	• Facilities	Upgrade of Naval and AF bases by USACE (2011), \$1.2 billion in War reserve stockpiles (2012)
	• Military training	Trainees in the USA

* According to foreign publications, as cited by Israeli publications.

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Arms Sales and Security Assistance Extended

Country	Type	Details
Afghanistan*	• Arms transfers	Sufa RVs (2009)
Angola*	• Arms transfers	155mm ATMOS guns (2011), Heron UAVs (2011)
Australia	• Arms transfers	Skylark UAV (2008), Heron UAV (2009), I-view mini-UAVs (canceled - 2008)Armor for APCs (2009), C4ISR system (2010)
Austrian	• Arms transfers	RCWS (2009)
Azerbaijan	• Arms transfers	Hermes-450 UAVs (2009), Upgrading of T-72 BMTs (2011), 120mm Cardom mortars (2011)
	• Cooperation in arms production	Aerostar, Orbiter UAVs (2011)
Belgium	• Arms transfers	RCWS for IFVs (2007)
Brazil *	• Arms transfers	Avionics for F-5M, AMX aircraft (2012), UT30 RCWS (2011), Heron UAVs (2010), Hermes 450 UAVs (2011), upgrade of HB-350 helicopters (2011), upgrading of M113 APCs (2011), DIRCM and SPS for KC-390 (2011)
Bulgaria	• Arms transfers	Sandcat LAVs (2009)
Cameroon	• Arms transfers	120mm Cardom mortars (2007)
Canada	• Arms transfers	Heron UAVs (2008), ECM for Frigates (2009)
Chile	• Arms transfers	Aerostar UAVs (2010), Hermes 900 UAVs (2011)
Colombia	• Arms transfers	Upgrading Kfir aircraft (2010), AH-60 Arpia helicopters (2009), B-767 MRTT aircraft (2010), EL-2032, EL-2022 radars (2011), Derby AAMs (2011), Hermes 900 (2012)
Denmark	• Arms transfers	120mm Cardom mortars (2010)
Dominican Republic	• Arms transfers	3D AD radars (2010)
Ecuador	• Arms transfers	Heron UAVs (2008), Searcher-2 UAVs (2008), EL/M-2022 MP radars (2008)
Ethiopia	• Arms transfers	Skylite UAVs (2011)
Equatorial Guinea	• Arms transfers	Armored vehicles (2008), OPV (2011)
Finland	• Arms transfers	Litening designator pods (2008)
France	• Arms transfers	Skylark UAVs (2010)
	• Cooperation in arms production	Harfeng/ Heron/ Heron TP UAVs (2011)
Germany	• Arms transfers	Litening targeting pods (2007), Heron UAVs

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Country	Type	Details
	• Cooperation in arms production	(2010), Recclite reconnaissance pods (2009) Spike ATGMs (2009), Bluebird ABM sensor (2008), Harop ALCM (2011), Pilum AGM (2011)
Georgia	• Arms transfers	Hermes-450 UAVs (2007), Spyder SAMs (2009)
Greece	• Arms transfers	Spice guided-bombs (2011)
India*	• Arms transfers	Litening targeting pods (2010), Phalcon AEW aircraft (2011), Derby AAMs (2011), upgrading of Harrier aircraft (2008), Spyder SAMs (2010), AEW aerostats (2010), RISAT satellites (2009), Avionics for An-32 (2009), Harop ALCM (2010), Crystal Maze AGMs (2010), EL-2083 APR radar (2010), EL-2248 MF-STAR radars (2010), EL-2032 radars for Teja LCAs (2011), Spike ATGMs (2011)
	• Cooperation in arms production	Barak-NG, MR-SAM SAMs (2011), G150 aircraft (2009), Chetak/ Dhruv NRUAV (2011), Aerostar UAV (2010), POP EO systems (2010)
	• Military training	Instructors training Special Forces in India (2008)
Italy	• Arms transfers	Spike ATGMs (2009), Recclite reconnaissance pods (2010), Music DIRCM for transport aircraft (2011)
	• Cooperation in arms production	Developing of EW system (2007), multi-spectral satellites (2010)
Kazakhstan	• Arms transfers	Orbiter UAV (2008)
	• Cooperation in arms production	Nazia MRL (2010), 120mm Abiat mortar (2008), 120mm Semser gun (2008)
Lithuania	• Arms transfers	Costal C ⁴ I system (2007)
Mexico	• Arms transfers	Hermes UAVs (2010), Skylark UAVs (2010), Orbiter UAVs (2009), Skystar aerostats (2009)
Macedonia	• Military training	Training school for helicopter pilots (2011)
Netherlands	• Arms transfers	Battle management system (2007), Aerostar UAVs (2010), Recclite reconnaissance pods (2010)
Nigeria	• Arms transfers	Shaldag PBs (2009)
Paraguay	• Arms transfers	EL-2106NG AD radars (2011)
Peru	• Arms transfers	Spike ATGMs (2010), G-550 AEW aircraft (2011), Mini Falcon UAVs (2011)

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Country	Type	Details
Poland	• Arms transfers	Orbiter UAVs (2009), Aerostar UAV (2010), Surveillance payload for Rosomak APCs (2010)
	• Cooperation in arms production	upgrading Boeing 767 aircraft (2009)
Portugal	• Arms transfers	Helmet Mounted Cueing-system (2007)
PRC	• Arms transfers	Eros-B satellite imagery (2007)
Romania	• Arms transfers	RCWS (2007), upgrading of C-130 aircraft (2011)
Russia	• Cooperation in arms production	I-view, Searcher-2 UAV's (2010)
Serbia	• Arms transfers	Orbiter UAVs (2008)
Singapore*	• Arms transfers	Hermes 450 UAVs (2007), G550 CAEW aircraft (2009), IMINT pods (2008), MP radars (2008), Skylark UAVs (2007), Spyder SAM (2010), Barak SAMs (2011)
South Africa	• Arms transfers	Litening targeting pods (2010)
South Korea*	• Arms transfers	Helmet Mounted Cueing-system and Avionics for helicopters (2009), Skylark-2 UAVs (2007), EL-2032 radars for TA-50 aircraft (2009), ECM/ EW for aircraft (2011), EL-2080 'Green Pine' radars (2009), Spike ATGMs (2011)
Spain	• Arms transfers	Spike ATGMs (2009), Searcher-2 UAVs (2007), Mini-Samson RCWS (2008), Litening targeting pods (2010), Cardom SP mortars (2011)
	• Cooperation in arms production	Orbiter UAVs (2011)
Sri Lanka	• Arms transfers	Super Dvora PBs (2009)
Sweden	• Arms transfers	Skylark UAVs (2007), Litening II targeting pods
Taiwan	• Arms transfers	CoMPASS reconnaissance pods (2011)
Turkey	• Cooperation in arms production	Heron UAVs (2010), IMINT pods (Cancelled - 2011)
Uganda	• Arms transfers	Falcon Eye UAVs (2009), 155mm ATMOS gun (2011)
Ukraine	• Arms transfers	Light armored vehicles (2007)
UK	• Arms transfers	Hermes UAV's (2007)
US	• Arms transfers and cooperation in arms production	<i>Air Force equipment:</i> Helmet Mounted Cueing-system (2010), Litening targeting pods (2008), I-TALD (2008), Hunter UAV's (2007), AH-60 Battle-hawk (2009), HUD

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Country	Type	Details
		displays (2010), upgrading AH-1Ws targeting systems (2010) <i>Ground Forces equipment:</i> Typhoon and Mini-Samson RCWS (2007), armor for APCs (2010), Golan APCs (2007), 120mm Cardom mortars (2010), Mortar FCS (2010), FMAB (2010), reactive armor for Bradley IFVs (2010), Skystar-180 aerostat (2011)

* According to foreign publications, as cited by Israeli publications.

Defense Production

	M	P	A
Ground Forces equipment			
THEL system	✓		
Merkava MBTs	✓		
Self propelled and towed artillery guns	✓		
120mm Cardom, Hanit SP mortars	✓		
LORA, EXTRA, Magic Spear Heavy artillery rockets	✓		
Several types of ACVs (some based on old tank hulls)	✓		
David, Sandcat, Sufa Light armored vehicles	✓	✓	
Raccoon, Granite, Legatus reconnaissance vehicles	✓		
NBC reconnaissance and decontamination vehicles	✓		
Avanguard, Guardium, Nahshon UGVs	✓		
Tank guns	✓		
Spike (SR, MR, ER, NLOS) and Lahat ATGMs	✓		
B-300, LAW-4/6/9, Matador ATRLs	✓		
Overhead weapon systems for IFVs (RCWS)	✓		
Carpet mine-clearing system	✓		
Tread-width mine plows for tanks (TWMP)	✓		
Tank-towed bridges (TAB)	✓		
Upgrading of M60 tanks	✓		
Mines	✓		
Small arms	✓		
Simulators	✓		
Fire ball, Dagger, Rakefet guided mortar Shells	✓		
GPS-guided MRLs	✓		
Artillery, mortar and small arms ammunition	✓		
Trophy, Iron Fist APS	✓		
Add on armor kits	✓		
Air force equipment			
Arrow ATBM	✓		

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	M	P	A
G150, G250 business jets		✓	
Upgrading of combat aircraft	✓		
Upgrading of helicopters	✓		
C-295, Il-76, G550 AEW aircraft conversion	✓		
ADAMS, Barak-8, Defender, SPYDER, Red Sky AD system	✓		
Iron Dome and David Sling ABM systems	✓		
Delilah, Harop, MSOV ALCMs	✓		
AAMs	✓		
AGMs	✓		
CBUs	✓		
TV and laser guided bombs	✓		
Star, Zuni Laser-guided rockets	✓		
ELINT, target designation and surveillance pods	✓		
Airmule, Flying Elephant resupply UAVs	✓		
UAVs and mini-UAVs	✓		
Harpy, Harop anti-radiation drones	✓		
Air-launched decoys	✓		
Operational flight trainer systems	✓		
Refueling system for aircraft	✓		
Helicopter parts		✓	
Flight simulators	✓		
Combat aircraft parts		✓	
Navy equipment			
LCTs	✓		
MFPBs	✓	✓	
PBs	✓		
Predator, Sea Star, Silver Marine USVs	✓		
Ship-based Barak AD missiles	✓		
Torbuster APS for submarines	✓		
Torpedo components		✓	
Electronics			
Radars – early warning, missile detection, Ship born AD, ground surveillance, Naval surveillance, airborne SAR	✓		
Search and rescue system	✓		
ELINT equipment	✓		
Airborne ESM systems	✓		
EW jammers	✓		
Audio/video microwave transceivers	✓		
Radio voice scramblers and encryption units	✓		
Command and control system			
APC simulator	✓		
Optronics			
Long range observation systems	✓		
Night vision devices	✓		

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	M	P	A
Laser rangefinders and target designators	✓		
Space			
Shavit/Ofeq satellite launcher			
Ofeq series imaging satellite	✓		
Amos/MILCOM communications satellite	✓		
EROS imaging satellite	✓		
TECHSAR radar imaging satellite			
Note:	M - manufacture (indigenously developed)		
	P - production under license		
	A - assembly		

Strategic Assets

NBC Capabilities

Nuclear capabilities

Two nuclear research reactors; alleged stockpile of nuclear weapons*. Nuclear-safety cooperation agreement with the USA. Not a party to the NPT.

Chemical weapons and protective equipment

Personal protective equipment; Unit decontamination equipment. Fuchs (Fox) NBC detection vehicles (8 vehicles); SPW-40 P2Ch NBC detection vehicles (50 vehicles); Girit decontamination vehicles; AP-2C CW detectors. Signed but not yet ratified the CWC.

BW capabilities

Not a party to the BWC.

* According to foreign publications, as cited by Israeli publications.

Ballistic Missiles

Model	Launchers	Missiles	Since	Notes
• MGM-52C (Lance)	12		1976	
• Jericho Mk 1/2/3 SSM *	+			Upgraded
• Black/ Blue Sparrow	+			Target decoy
Total	+			
Future procurement				
• LORA	+			Under negotiations

* According to foreign publications, as cited by Israeli publications.

Space Assets

Model	Type	Notes
Satellites		
• Amos	Communication	Civilian, currently deployed Amos 2/3/5.

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Model	Type	Notes
• Ofeq	Reconnaissance	Currently deployed Ofeq-5, Ofeq-7 and Ofeq-9
• Eros	Reconnaissance	Civilian derivate of Ofeq, currently Eros-1B
• TECHSAR	Reconnaissance	SAR imagery satellite, known as "Ofeq-8", 260kg, 550 km in orbit
• TechSat	Research	Civilian
Satellite launcher		
• Shavit	SLV	
Future procurement		
• Shalom	Remote sensing	Multi-spectral satellites, in cooperation with Italy.
• Nano-satellites	Reconnaissance	Optical satellites with 1.5m resolution
• Amos-4,6	Communication	Civilian-owned satellites. To be launched in 2013 and 2014 respectively
• MILCOM	Communication	

Command and Control Assets

Name	Description
Air defense	
NCCS	National early warning system, linking radars, aerostats and regional command centers.
Naval surveillance	
CSS	National system, linking regional command centers with a network of coastal radars and optical sensors.
Border security	
Sentry Tech	Linking regional command centers with ground surveillance radars, reconnaissance vehicles, and remotely-operated weapon stations.

Armed Forces

Order-of-Battle

Year	2007	2008	2009	2010	2011
General data					
• Personnel (regular)	176,500	176,500	176,500	176,500	176,500
• SSM launchers	+	+	+	+	+

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Year	2007	2008	2009	2010	2011
Ground forces					
• Divisions	16	16	16	16	16
• Total number of brigades	78	78	79	79	79
• Tanks	3,400 (3,800)	3,360 (3,740)	3,290 (3,730)	3,120 (3,630)	3,110 (3,640)
• APCs/AFVs	6,930	7,070	7,000 (7,500)	7,900 (8,400)	7,900 (8,375)
• Artillery (including MRLs)	+	+	+	+	+
Air force					
• Combat aircraft	520 (875)	541 (875)	541 (875)	515 (874)	490 (804)*
• Transport aircraft	71 (84)	66 (77)	66 (77)	66 (77)	57 (77)
• Helicopters	184 (286)	172 (285)	169 (285)	171 (201)	171 (231)
Air defense forces					
• Heavy SAM batteries	25	25	25	26	26
• Medium SAM batteries				1	4
• Light SAM launchers	70	70	70	70	70
Navy					
• Submarines	3	3	3	3	3
• Combat vessels	15	15	15	13	13
• Patrol craft	50	52	55	56	56

* Due to change in estimate.

Personnel

	Regular	Reserves	Total
• Ground Forces	133,000	380,000	513,000
• Air Force	34,000	55,000	89,000
• Navy	9,500	10,000	19,500
Total	176,500	445,000	621,500
Paramilitary			
• Border Police	7,650		7,650

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Ground Forces

Formations

	Corps/HQ	Divisions	Independent brigades/groups	Brigades in divisions
All arms	3*			
Armored		12		2-3 armd., 1 mech., 1 aty. Each
Mechanized/ Infantry		4	5	
Territorial		4	12	
Airborne			4	
Total		16	21	

Anti-guerrilla HQ: 3 divisional HQ for control of units engaged in anti-guerrilla activities in Judea, Samaria and on the Gaza and Lebanese borders. In emergency, the HQ will be reinforced by armor, infantry, helicopters, engineering and anti-tank forces.

* According to foreign publications, as cited by Israeli publications.

Tanks

Model	Quantity	In service	Since	Notes
MBTs				
High quality				
• Merkava Mk 4	360	360	2003	Some with Trophy ADS installed
• Merkava Mk 3	780	780	1989	
Subtotal	1,140	1,140		
Medium and low quality				
• Merkava Mk 1/2	580	580	1979/1983	In operational storage
• M60 A3/upgraded M60/Magach 7	1,040	1,040	1980	
• M60 A1/A3	560	130		In operational storage
• Centurion/upgraded Centurion	350	220	1965	In operational storage
Subtotal	2,530	1,970		
Total	3,640	3,110		
Future procurement				
• Merkava Mk 4	300			Being delivered

Note: Old MBT chassis are being converted into AFVs.

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APCs/AFVs

Model	Quantity	In service	Since	Notes
• Achzarit	215	215	1994	
• Namer	130	130	2008	Being delivered
• M113 (various marks)	5,500	5,500		Some being upgraded
• Nagmashot*	}		1989	
• Nagmachon	}	400		
• Nakpadon	}			
• M2/M3 halftrack	600	70		In operational storage
Subtotal	6,845	6,315		
Light armored vehicles				
• Akrep	30	30	1998	
• Caracal/ Sandcat	80	80	2010	
• M1114 up-armored HMMWV	120	120	2004	
• Ze'ev	300	300	2004	
• Sufa-2	700	700	2006	Armored version
• David	400	400	2008	Armored Defender-110
Subtotal	1,630	1,630		
UGVs				
• AvantGuard	+	+	2010	Under evaluation
• Guardium	+	+	2009	In Force Protection role
Total	8,375	7,900		
Future procurement				
• Namer				Total requirement up to 600

* According to foreign publications, as cited by Israeli publications.

Artillery

Model	Quantity	In service	Since	Notes
Self-propelled guns and howitzers				
• 203mm M110	36	36	1975	
• 175mm M107	140	70	1974	
• 155mm M109 variants	600	600		
• 155mm M-50/155mm L-33	120	120		

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Model	Quantity	In service	Since	Notes
Subtotal	896	756		
Towed guns and howitzers				
• 155mm M-71	+	+		
• 130mm M-46	+	+		
• 122mm D-30	+	+		
Subtotal	+	+		
Mortars, over 160mm				
• 160mm SP	+	+		Phased out
Mortars, under 160mm				
• 120mm Keshet/ Cardom SP	64	64	2006	
• 120mm	250	250		
Subtotal	314	314		
MRLs				
• 240mm	+	+	1974	
• 140mm	+	+		
• 122mm BM-21	+	+		
• 227mm MLRS	48	48		
• 290mm MAR 290	+	+		
Future procurement				
• 120mm Keshet/ Cardom SP				Follow-on order

Ground Radars

Model	Quantity	In service	Since	Notes
Artillery/ mortar-locating radars				
• AN/TPQ-37 (Nurit)	+	+		
• AN/PPS-15	+	+		
• EL/M-2112	+	+	2007	Part of Sentry Tech
• EL/M-2084 MMR (Raaz)	+	+	2009	Part of Iron Dome AD system
• AN/TPQ-48 LCMR	+	+		
• Shilem	+	+		
Specialized reconnaissance vehicles				
• TOM SP	+	+	2011	Mounted on patrol vehicles
• Granite	+	+	2011	Based on Caracal/ Sandcat chassis; with Spider payload

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Model	Quantity	In service	Since	Notes
• Raccoon/Stalker II	+	+	2000	
Aerostats with radars				
• Hila	+	+	2008	
• Skystar 300 aerostat	+	+	2007	Part of Sentry Tech; with Spider payload

Logistic and Engineering Equipment

Gilois motorized bridges, M-123 Viper minefield crossing system, M60 AVLB, mine-clearing rollers, mine layers, Pomins II portable mine neutralization system*, Puma ECVs, TAB (towed assault bridge, towed by tanks), TLB (trailer-launched bridge), TWMP (tread-width mine ploughs), M-1000 heavy equipment transporters, Namer ARV, D9R bulldozers (100), M88 ARV, Lioness ECV, CX-1, Gardium UGV, Viper UGVs (Pazit), Ami bulldozers (3)

* According to foreign publications as cited by Israeli publications.

Anti-Tank Missiles

Spike missiles (NT-S, NT-G, NT-D), BGM-71A/C TOW, Israeli improved BGM-71C TOW, Mapats SP, Nimrod, M-47 Dragon, Matador , Tamuz/ Spike NLOS SP

* According to foreign publications, as cited by Israeli publications.

Air Force

Order-of-Battle

Category	Quantity	In service	Notes
• Combat	804	490	Including aircraft in operational storage
• Transport	77	57	
• Helicopters	231	171	

Combat Aircraft

Model	Quantity	In service	Since	Notes
Advanced multi-role				
• F-16 I (Soufa)	100	100	2004	
• F-16 2020	1	1	2010	
• F-16 C/D (Barak)	135	135	1990	Being upgraded to 2020 standard.
• F-16 A/B (Netz)	107	107	1980/1986	To be phased out
• F-15 I (Ra'am)	25	25	1998	
Subtotal	368	368		

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Model	Quantity	In service	Since	Notes
Advanced interceptors				
• F-15 A/B (Baz)	30	10	1976	Being upgraded to "Baz 2000" standard
• F-15 C/D (Baz)	42	42	1982/ 1998	Upgraded to "Baz 2000" standard
Subtotal	72	52		
Obsolete				
• F-4-2000	120	50		In operational storage
• Kfir	140	0		In operational storage
• A-4 Skyhawk	174	20	1967	Used for advanced training. The rest are in operational storage.
Subtotal	364	70		
Total	804	490		
Future procurement				
• F-16 C/D 2020	+			Upgrading of existing aircraft
• F-35 JSF	20			Under negotiations; Total requirement up to 100

Transport Aircraft

Model	Quantity	In service	Since	Notes
• Boeing 707 (Reem)	13	13	1973	Some in tanker role
• C-130E/H Hercules (Karnaf)	18	15	1970	Some in Tanker role, 3 in storage
• Beech King Air B-200/200T (Ztufit)	29	29	1990	Some in surveillance role
• Arava	9	0		
• DO-28	8	0		
Total	77	57		
Future procurement				
• C-130J	3			Delivery in 2013-2014, with option for six additional aircraft

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Training and Liaison Aircraft

Model	Quantity	In service	Since	Notes
Jet trainers				
• CM-170 Fouga Magister (Tzukit)	35	0	1960	In operational storage
Piston/Turbo-prop				
• Bonanza A-36 (Hofit)	22	22	2005	
• T-6A (Efrony)	19	19	2009	Privately owned trainers
• Socata TB-21 (Pashosh)	22	22	1995	To be phased out
• U-206 stationair	21	0		
• AT-802 Fire Boss	8	8	2011	Privately owned, in firefighting role
• G 120A (Snunit)	27	27	2003	Privately owned trainers
Subtotal	97	97		
Total	153	97		

Helicopters

Model	Quantity	In service	Since	Notes
Attack				
• AH-64A Apache (Peten)	30	30	1990	3 being upgraded
• AH-64D Apache (Saraf)	17	17	2005	
• AH-1G/S Cobra (Tsefa)	63	33	1981	To be upgraded
Subtotal	110	80		
Heavy transport				
• CH-53-2000 (Yasoor)	37	37	1970	Being upgraded to CH-53-2025
Medium transport				
• S-70A Blackhawk (Yanshouf)	49	49	1994/2002	
• Bell 212	30	0		
Subtotal	79	49		
Naval combat				
• AS 565SA Panther (Atalef)	5	5	1995	

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Israel

Model	Quantity	In service	Since	Notes
Total	231	171		
Future procurement				
• AH-60 Battlehawk	18			
• AH-64D Apache (Saraf)	3			Delivery in 2012

Miscellaneous Aircraft

Model	Quantity	In service	Since	Notes
AEW/AWACS				
• Gulfstream G550 CAEW (Eitam)	2	2	2006	Systems are installed in Israel
ELINT and EW				
• Gulfstream G500 SEMA (Shavit)	3	3	2005	
• King Air A200CT/ B-200T (Ztufit)	16	16	1990/2001	
Maritime surveillance aircraft				
• Heron-2 (Shoval)	9	9	2006	MP radar payload
• Seascan (1124N)	3	3		To be phased out
UAVs				
• Aerostar	+	+		
• Hermes 450 (Khamsan/ Zik)	+	+		
• Hermes 900 UAV	3	3	2011	
• Heron-2 (Soval)	+	+	2009	
• Heron TP (Eitan)	+	+	2010	
• Delilah/ Light Defender	+	+		In combat role*
• Harpy	+	+		Anti-radiation drone*
mini-UAVs				
• Skylark LE (Rokhev Shamaim)	20	20	2010	Used by ground forces
• Other UAVs				I-view, Mini-V, dominator, Orbiter, skylite

Target drones

Beech AQM-37A; Beech BQM-107B, MQM-74C Chuckar II, Teledyne Ryan 1241

Israel

Model	Quantity	In service	Since	Notes
Tankers				
• KC-707 tanker	5	5	2002	Upgraded tankers
• KC-130 tanker	3	3	1976	Included in transport aircraft
Future procurement				
• Boeing 707	1			Being converted into tanker (KC-707)
• Gulfstream G550	2			
• Eitan UAV	+			
• Orbiter UAV	4			For naval FMPBs
• Hermes 900 UAV	+			
• Skylark LE UAV	+			

* According to foreign publications, as cited by Israeli publications.

Israel

Advanced Armament

Air-to-air missiles

AIM-9L/M Sidewinder , AIM-7 Sparrow, Python 3, Python 4, Derby, AIM-120B/ C AMRAAM (200)

Air-to-ground missiles

AGM-78D Standard ARM, AGM-65 Maverick, AGM-62A Walleye, AGM-45A/B Shrike, AGM-114 Hellfire, AGM-142 Popeye*, Nimrod ATGM, Spike (LR, ER, NLOS) ATGM*

Bombs

CBU (including Tal-1, ATA-1000, ATA-500), Delilah ALCM , GBU-28 guided bombs (55), GBU-39 SDB guided bombs (1,000) (Barad Khad), GBU-54 LJDAM (100), runway-penetration bombs, Griffin, Guillotine, JDAMs (Barad Kaved), Opher, PB-500 , Pyramid, Spice- 1000/2000 (Barad Plada)

Target designation pods

LANTIRN (Inbar), Litening , EL-20600 RTP (Gondola)

Reconnaissance pods

EL/M-2022 MP radar, EL-2060P SAR (Yanshuphon) , Reccelite (Ogen Krav), Reec-U (Ogen Khad)

EW and CEW

Chaff and flare dispensers for combat aircraft, Delilah ALCM , Samson AN/ADM-141 TALD, EL/L-8202 ECM pod, EL/L-8230 ECM system, EL/L-8231 ECM system, EL/L-8240 ECM system, EL/M-2160 warning system, LWS-20 system, SRS-25 airborne receiver, SPS-20 self protection system, SPS-65 self protection system, SPS-200 airborne self protection system, SPS-1000 EW system, SPS-2000 self protection system, Sky-Jam 200 jammer , AN/ALQ 131 electronic countermeasure systems (20)

Future procurement

Star-1 AGM/cruise missile (under development), JDAMs guided bombs , BLU-109 guided bombs (2,000), Paveway 2 guided bombs (4,000), AGM-114L3 Hellfire II AGMs (480), Lizard-3 , Spice, Lahat ATGM

* According to foreign publications, as cited by Israeli publications.

Air Force Infrastructure

Aircraft shelters

In all operational airfields, for combat aircraft

Military airfields

11

Haifa, Hatzetim, Hatzor, Lod, Nevatim, Palmachim, Ramat David, Ramon, Tel Aviv, Tel Nof, Uvda

Aircraft maintenance and repair capability

Maintenance on all models in service, partly in airfields, partly at Israel Aircraft Industries facilities

Israel

Air Defense Forces

Surface-to-Air Missiles

Model	Batteries	Launchers	Since	Notes
Heavy Batteries				
• MIM-23B Improved HAWK	17		1965	
• MIM-104 Patriot	2		1991	
• MIM-104 Patriot PAC-2	4		2000	Upgraded with GEM-T missiles
• Arrow- 1/2 ATBM	3	16	1998	Including Green Pine radar
Total	26			
Medium Batteries				
• Iron Dome	4		2010	
Light missiles				
• MIM-72A Chaparral		~50		
• Stinger		~ 20	1997	Part of Mahbet AD system
Total		~70		
Shoulder-launched missiles				
• FIM-92C Stinger		500 missiles		
• MIM-43A Redeye		+	1975	
Future procurement				
• Iron Dome	9			Four batteries under US funding
• David Sling	+			
• MIM-104 Patriot PAC-3	3			Upgrade of electronic systems

Other Air Defense Systems

Model	Quantity	In service	Since	Notes
Air Defense systems				
• Mahbet SP	20	20	2002	M-163 Vulcan with Stinger SAMs
Short-range guns				
• 40mm Bofors L70	+	+		
• 23mm ZU 23x2	+	+		
• 20mm TCM-20	+	+		
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Israel

Model	Quantity	In service	Since	Notes
Hispano Suiza SP				
Total	~900	~900		
Radars				
• EL-2084 MMR	2	2	2009	Part of with Iron Dome batteries
• Ramit	+	+		
• FPS-100	+	+		
• AN/TPS-43	+	+		
• EL-2083 Green Pine/ Great Pine	3	3	1998	Part of Arrow batteries
• Alufa-3	+	+		
• Nautilus	+	+		
Aerostats with airborne radars				
• Airstar	+	+	2009	71M aerostat, mounted with EL-2083 APR radar, and EL-3330 GMTI radar.
Future procurement				
• EL/M-2084 MMR	3			

Navy

Submarines

Type	Quantity	Length (m.)/ displacement (t.)	Notes/armament
Submarines			
• Dolphin (Type 212/ 800)	3	57.3/1,900	Sub-Harpoon SSMs 6x533mm torpedoes total of 16 torpedoes/missiles
Future procurement			
• Dolphin	2		Delivery in 2012-2013

Israel

Combat vessels

Type	Quantity	Length (m.)/ displacement (t.)	Notes/armament
Missile corvettes			
• Eilat class (Sa'ar 5)	3	86.4/1,075	1xSA-536 helicopter 8xHarpoon SSMs 64xBarak-1 SAMs 1x76mm gun 2x25mm Sea Vulcans 6x324mm torpedoes
MFPBs			
• Hetz class (Sa'ar 4.5)	8	61.7/488	8xHarpoon SSMs 6xGabriel II SSMs 32xBarak I SAMs 1x76mm gun 1x20mm Vulcan Phalanx 2x12.7mm MGs
ASW vessels			
• Reshef class (Sa'ar 4)	2	58/415	4xHarpoon SSMs 4-6xGabriel II SSMs 1-2x76mm guns 2x20mm guns 1x20mm Vulcan Phalanx 2x12.7mm MGs In ASW role: 2-3x324mm torpedoes sonar
Total	13		
Future procurement			
• LCS/ MAKO Future corvette	2		Under negotiations

Patrol Craft

Type	Quantity	Length (m.)/ displacement (t.)	Notes/armament
• Shaldag-2	5	23.6/56	1x25mm Typhoon gun 1x20mm Gun Spike ER ATGMs APS
• Super Dvora Mk-I/II	13	21.6/54	2x20mm or 2x25mm guns 2x12.7mm MGs 1x84mm MRL

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Type	Quantity	Length (m.)/ displacement (t.)	Notes/armament
• Super Dvora Mk-III	10	27.4/72	depth charges 2x324mm torpedoes 1x25mm Typhoon gun 1X20mm gun Spike ER ATGMs APS
• Dabur	15	19.8/39	2x324mm torpedoes depth charges 2x20mm guns 2x12.7mm MGs 2x324mm torpedoes 1x84mm MRL
• Stingray (Nahshol)	3	12/10.5	depth charges
• Defender class (Tzir'ah)	8	9.5/2.7	7.62mm gun Radar Personal optical sensors
• Protector USV	2	9/	1x30mm gun
Total	56		
Future procurement			
• Protector	+		

Landing Craft

Type	Quantity	Length (m.)/ displacement (t.)	Notes/armament
• LCM-type	2		
• Ashdod class LCT	1	62.7/400	In reserve
Total	3		
Future procurement			
• Newport LST	1		Under negotiations

Auxiliary Vessels

Type	Quantity	Length (m.)/ displacement (t.)	Notes/armament
• Bat Sheva	1		
• Stollergrund (Type 745 – Bat Yam)	2	38.6/450	Support ships
• Ro-Ro	1		

Israel

Special Maritime Forces

Type	Quantity	Length (m.)/ displacement (t.)	Notes/armament
• Munit (RHIB)	+		
• Snunit	+		
• Zaharon fast boats (Firefish)	12	12.5	
• Morena (RHIB)	2	13	Search radar

Coastal Defense

Type	Quantity	Notes
Coastal surveillance radars		
• EL/M-2226	+	Part of CTS surveillance system

Naval Infrastructure

Naval bases	3	
Ashdod, Eilat, Haifa		
Ship maintenance and repair facilities		
Repair and maintenance of all naval vessels at Haifa, partly in conjunction with Israel Dockyards		