

6. ISRAEL

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Major Changes

- Nine batteries of the Iron Dome anti rocket system are in operational service.
 - The Israeli Air force received its first 2 new (Shimshon) transport air craft as well as its new M-346 (Lavi) advanced trainer. The Israeli Air Force also inaugurated its first F-35 squadron, though the first planes are scheduled to arrive from 2017 onwards.
 - The Israeli Navy received its 5th Dolphin class submarine - the second submarine from the second batch of 3 advanced submarines. A 6th submarine was authorized and is under construction.
 - Entering a period of financial difficulties the IDF is undergoing some major organizational changes that included the closing of several units including armored brigades and air force squadrons.
-

Israel

General Data

Official Name of the State: State of Israel

Head of State: President Reuven Rivlin

Prime Minister: Benjamin Netanyahu

Minister of Defense: Moshe Yaalon

Chief of General Staff: Lieutenant General Gadi Eisenkot

Commander of Army HQ: Major General Guy Tzur

Commander of the Air Force: Major General Amir Eshel

Commander of the Navy: Rear Admiral Ram Rothberg

Foreign Military Cooperation

Type	Details
Foreign forces	USA (45), pre-positioning of \$800 million worth of stockpiled US military equipment, TPY-2 AMD radar
Joint maneuvers	Bulgaria (2013), Cyprus (2015), Greece (2015), Germany (2015), Italy (2013), Poland (2015), Romania (2011), US: Missile defense (2014), COIN with USMC (2015), Naval with Greece (2015), SAR with 12 other nations (2015), Air combat with Jordan and Singapore (2015), Air combat with Poland and Greece (2015), Urban Warfare with Germany (2015)
Security cooperation accords	Canada (2011), Greece (2011), Poland (2011), Russia (2010), US, Vietnam (2015)

Arms Trade

Arms Procurement and Security Assistance Received

Country	Type	Details
China	• Arms transfers	Gunpowder (2012)
Germany	• Arms transfers	Dolphin submarines (2014), Sa'ar 6/K-130 corvettes (2015), TEP 90 decontamination vehicles (2012), MIM-104 Patriot PAC-2 SAM systems (2015)
	• Assistance	Partial funding for submarines constructed in Germany (2012)
Italy	• Arms transfers	SAR radars for UAVs (2011), M-346 trainer aircraft (2012)
US	• Arms transfers	AH-64D Longbow helicopters (2012), upgrade to Patriot PAC-3 SAMs (2011), D-9 (2010), C-130J aircraft (2013), GBU-39

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Country	Type	Details
		bombs (2010) ,F-35 JSF (2010), GBU-54 LJDAM (2010), AT-802 firefighter aircraft (2011), V-22 Osprey (Project cancelled in 2014), KC-135 tanker (2013), JDAM bombs (2012), GBU-39 SDBs (2012)
	• Assistance	\$3.1 billion annual military aid in FY2013 (2012); additional special military aid to BMD projects (\$236m in FY2012, \$480 in FY2013)
	• Cooperation in arms production	Namer IFVs (2013), David Sling ABM (2011), Arrow-3 ABM (2011)
	• Facilities	Upgrade of Naval and AF bases by USACE (2012), \$1.2 billion in War reserve stockpiles (2012)
	• Military training	Trainees in the USA

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

Arms Sales and Security Assistance Extended

Country	Type	Details
Angola*	• Arms transfers	155mm ATMOS guns (2011), Heron UAVs (2011)
Argentina	• Cooperation in arms production	Upgrading TAM tanks (2015)
Australia	• Arms transfers	Armor for APCs (2015), C4ISR system (2010), Battle Management Systems for amphibious vessels (2012)
Azerbaijan**	• Arms transfers	Upgrading of T-72 BMTs (2011), 120mm Cardom mortars (2011), Heron (2012), EL-2080 'Green Pine' radars (2012), Barak SAMs (2012), Shaldag MKV and OPV62 patrol boats (2015)
	• Cooperation in arms production	Aerostar, Orbiter UAVs (2011)
Belgium	• Arms transfers	Spike ATGMs (2013)
Brazil *	• Arms transfers	Avionics for F-5M, AMX aircraft (2012), REMAX/ UT30 RCWS (2012), Heron UAVs (2010), Hermes 450 UAVs (2013), upgrade of HB-350 helicopters (2011), upgrading of M113 APCs (2011), DIRCM and SPS for KC-390 (2011) , Hermes 900 UAVs (2012), B767 MRTT aircraft (2013), Border surveillance sensors (2013), SkyStar 180

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Country	Type	Details
		Aerostat (2014), EL/M-2022A(V)3 radar for SC-105 aircraft (2015)
Canada	<ul style="list-style-type: none"> • Military training • Arms transfers 	Joint infantry officer's course (2015) UAVs (2013), Satellite Communication (2014), EL/M-2084 radar technology (2015)
China	<ul style="list-style-type: none"> • Military training 	Training of Armed Police forces (2012)
Chile	<ul style="list-style-type: none"> • Arms transfers 	Aerostar UAVs (2010), Hermes 900 UAVs (2012), Spylite UAVs (2013)
Colombia***	<ul style="list-style-type: none"> • Arms transfers 	Upgrading Kfir aircraft (2010), B-767 MRTT aircraft (2010), EL-2032, EL-2022 radars (2011), Derby AAMs (2011), Hermes 900 (2012), Hermes 450 (2012), Flight training center (2012)
Denmark	<ul style="list-style-type: none"> • Arms transfers 	120mm Cardom mortars (2010), External fuel tanks for F-16 (2015)
Dominican Republic	<ul style="list-style-type: none"> • Arms transfers 	3D AD radars (2010)
Ecuador	<ul style="list-style-type: none"> • Arms transfers 	Heron UAVs (2008), Searcher-2 UAVs (2008), EL/M-2022 MP radars (2008)
Ethiopia	<ul style="list-style-type: none"> • Arms transfers 	Skylite UAVs (2011)
Equatorial Guinea	<ul style="list-style-type: none"> • Arms transfers 	OPV (2011)
France	<ul style="list-style-type: none"> • Arms transfers • Cooperation in arms production 	Skylark UAVs (2010), add-on armor for APCs (2012) Harfeng/ Heron/ Heron TP UAVs (2011), VENUS satellite (2012)
Finland	<ul style="list-style-type: none"> • Arms transfers 	Orbiter-2 UAVs (2012)
Germany	<ul style="list-style-type: none"> • Arms transfers • Cooperation in arms production 	Heron UAVs (2010), Heron-TP UAVs (2013), EL/M-2222S Naval Self Protection System (2014) Spike ATGMs (2015), Harop ALCM (2011), Pilum AGM (2011)
Greece	<ul style="list-style-type: none"> • Military training • Arms transfers 	Joint infantry officer's course (2015) Spice guided-bombs (2011)
India*	<ul style="list-style-type: none"> • Military training • Arms transfers 	Joint infantry officer's course (2015) Litening targeting pods (2010), Derby AAMs (2011), Spyder SAMs (2010), AEW aerostats (2010), Harop ALCM (2010), Crystal Maze AGMs (2010), EL-2083 APR radar (2010), EL-2248 MF-STAR radars (2010), EL-2032 radars for Teja LCAs (2012), Spike ATGMs (2014), NGPGM (2012).Barak SAMs

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Country	Type	Details
	<ul style="list-style-type: none"> Cooperation in arms production 	(2014), Phalcon AEW aircraft (2015). Barak-NG, MRSAM SAMs (2012, Chetak/ Dhruv NRUAV (2011), Aerostar UAV (2010), POP EO systems (2010), APS system for submarines (2012), upgrading Heron/ Searcher UAVs (2012), Compass payloads (2013), Bird-Eye 400 and Bird-Eye 650 UAVs (2015)
Italy	<ul style="list-style-type: none"> Arms transfers Cooperation in arms production Military Training 	Reclite reconnaissance pods (2010), Music DIRCM for transport aircraft (2011), G550 AEW (2015), OPTSAT 3000 satellite (2012) multi-spectral satellites (2010) UAV Operators (2015), Joint infantry officer's course (2015)
Jordan*	<ul style="list-style-type: none"> Arms transfers 	Cobra attack helicopters (2014), Heron UAVs (2015)
Kazakhstan	<ul style="list-style-type: none"> Cooperation in arms production 	Nazia MRL (2010)
Mexico	<ul style="list-style-type: none"> Arms transfers 	Hermes 450 UAVs (2010), Skylark UAVs (2010), Hermes 900 (2012), Dominator XP UAV (2015)
Macedonia	<ul style="list-style-type: none"> Military training 	Training school for helicopter pilots (2011)
Netherlands	<ul style="list-style-type: none"> Arms transfers Military training 	Aerostar UAVs (2010), Reclite reconnaissance pods (2010) Joint infantry officer's course (2015)
Nigeria	<ul style="list-style-type: none"> Arms transfers 	Shaldag PBs (2012)
Paraguay	<ul style="list-style-type: none"> Arms transfers 	EL-2106NG AD radars (2011)
Peru	<ul style="list-style-type: none"> Arms transfers 	Spike ATGMs (2010), G-550 AEW aircraft (2011), Mini Falcon UAVs (2011), Spyder SAMs (2012)
Philippines	<ul style="list-style-type: none"> Arms transfers 	Personal protective gear (2015)
Poland	<ul style="list-style-type: none"> Arms transfers Cooperation in arms production 	Aerostar UAV (cancelled - 2012), Surveillance payload for Rosomak APCs (2010) Co-production of Hermes 450 (2015)
Republic of Korea*	<ul style="list-style-type: none"> Arms transfers 	EL-2032 radars for FA-50 aircraft (2012), ECM/ EW for aircraft (2011), Spike ATGMs (2013), upgrading C-130 aircraft (2012), Spice 2000 (2014)
Romania	<ul style="list-style-type: none"> Military training Arms transfers 	Joint infantry officer's course (2015) Upgrading of C-130 aircraft (2011)

Israel

Country	Type	Details
Russia	• Cooperation in arms production	I-view, Searcher-2 UAV's (2010)
Singapore*	• Arms transfers	Spyder SAM (2010), Barak SAMs (2011), Heron UAVs (2012)
South Africa	• Arms transfers	Litening targeting pods (2010)
Spain	• Arms transfers	Litening targeting pods (2010), Cardom SP mortars (2012), Light ammunition (2015)
	• Cooperation in arms production	Orbiter UAVs (2011)
Sweden	• Arms transfers	PAWS-2 (passive airborne warning system) for the Gripen fighter (2014)
Switzerland	• Arms transfers	UAVs (2012), Hermes 900 UAVs (2015)
Turkey	• Cooperation in arms production	Heron UAVs (2010), IMINT pods (Cancelled - 2011)
Uganda	• Arms transfers	155mm ATMOS gun (2011)
UK	• Arms transfers	Personal protective gear (2015)
USA	• Arms transfers and cooperation in arms production	<i>Air Force equipment:</i> Helmet Mounted Cueing-system (2010), HUD displays (2010), upgrading AH-1Ws targeting systems (2010) <i>Ground Forces equipment:</i> Typhoon and 120mm Cardom mortars (2010), Mortar FCS (2010), FMAB (2010), reactive armor for Bradley IFVs (2010), Skystar-180 aerostat (2011), GATR guided rockets (2013) <i>Naval equipment:</i> installing Spike missiles on USVs (2012).
	• Military Training	UAV Operators (2015), Joint infantry officer's course (2015)
Vietnam	• Arms transfers	SPYDER air defense system (2015)

* According to foreign publications.

** According to Azeri publications.

*** According to Colombian publications

Defense Production

	M	P	A
Ground Forces equipment			
THEL system	✓		
Merkava MBTs	✓		

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	M	P	A
Self propelled and towed artillery guns	✓		
120mm Cardom, Hanit SP mortars	✓		
LORA, EXTRA, Magic Spear Heavy artillery rockets	✓		
Romah (Lance) guided artillery rockets	✓		
Several types of ACVs (some based on old tank hulls)	✓		
David, Sandcat, Sufa Light armored vehicles	✓	✓	
Granite, Legatus, Raccoon, Spider reconnaissance vehicles	✓		
NBC reconnaissance and decontamination vehicles	✓		
Avantguard, Guardium, Nahshon UGVs	✓		
Tank guns	✓		
Spike (SR, MR, ER, NLOS) and Lahat ATGMs	✓		
B-300, LAW-4/6/9, Matador ATRs	✓		
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	✓		
Morty guided mortar shell			
GPS-guided MRLs	✓		
Artillery, mortar and small arms ammunition	✓		
Trophy, Iron Fist APS	✓		
Add on armor kits	✓		
Air force equipment			
Arrow , David Sling , and Iron Dome ABM systems	✓		
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	✓		
Delilah, Harop, MSOV ALCMs	✓		
AAMs	✓		
AGMs	✓		
CBUs	✓		
Lizard, Opher, Pyramid, Spice TV and laser guided bombs	✓		
Star, Whipshot , Zuni Laser-guided rockets	✓		
ELINT, target designation and surveillance pods	✓		
Airmule, Flying Elephant resupply UAVs	✓		
UAVs and mini-UAVs , Butterfly	✓		
Harpy, Harop anti-radiation drones	✓		
Air-launched decoys	✓		

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	M	P	A
Operational flight trainer systems	✓		
Refueling system for aircraft	✓		
Helicopter parts		✓	
Flight simulators	✓		
Combat aircraft parts:		✓	
F-35 wings		✓	
T-38 wings		✓	
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	✓		
Laser rangefinders and target designators	✓		
Space			
Shavit/Ofeq satellite launcher			
Ofeq series imaging satellite	✓		
Amos/MILCOM communications satellite	✓		
EROS imaging satellite	✓		
TecSAR radar imaging satellite	✓		
OptSat 3000 satellite			

Note: M - manufacture (indigenously developed)
P - production under license
A - assembly

Israel

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); SPW-40 P2Ch NBC detection vehicles (50); Girit decontamination vehicles; TEP 90 decontamination vehicles (8); 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 2/3/4/5.
• 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, "Ofeq-10"
Satellite launcher		
• Shavit	SLV	
Future procurement		
• Shalom	Remote sensing	Multi-spectral satellites, in cooperation with Italy.

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Model	Type	Notes
• VENuS	Remote sensing	Civilian multi-spectral micro-satellite, developed in cooperation with France. To be launched in 2014.
• Nano-satellites	Reconnaissance	Optical satellites with 1.5m resolution
• Amos-6	Communication	Civilian-owned satellites. To be launched in 2016.
• 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, AquaShield underwater detection system/
Border security	
Sentry Tech/ See-Shoot	Linking regional command centers with ground surveillance radars, reconnaissance vehicles, and remotely-operated weapon stations.

Armed Forces

Order-of-Battle

Year	2011	2012	2013	2014	2015
General data					
• Personnel (regular)	176,500	176,500	176,500	176,500	176,500
• SSM launchers	+	+	+	+	+
Ground forces					
• Divisions	16	16	16	16	16
• Total number of brigades	79	79	79	79	72
• Tanks	2,940 (3,070)*	2,840 (3,070)	2,840 (3,070)	2,840 (3,070)	2,840 (3,070)
• APCs/AFVs	7,875*	7,850	7,850	7,850	7,850
• Artillery (including MRLs)	+	+	+	+	+

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Year	2011	2012	2013	2014	2015
Air force					
• Combat aircraft	440 (614)*	446 (520)	446 (520)	446 (520)	446 (520)
• Transport aircraft	57 (60)*	57 (60)	57 (60)	58 (61)	58 (61)
• Helicopters	171 (201)	155 (182)*	154 (181)	154 (181)	154 (181)
Air defense forces					
• Heavy SAM batteries	19	19	19	19	19
• Medium SAM batteries	4	5	5	5	5
• Light SAM launchers	70	70	70	70	70
Navy					
• Submarines	3	4	4	4	4
• Combat vessels	13	13	13	13	13
• Patrol craft	56	56	56	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

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	

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	Corps/HQ	Divisions	Independent brigades/groups	Brigades in divisions
Commando				1
Territorial		4		12
Airborne				4
Total		16		22

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	In stock	In service	Since	Notes
MBTs				
High quality				
• Merkava Mk 4	360	360	2003	Some with Trophy APS 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	
• Centurion/upgraded Centurion	350	120	1965	In operational storage
Subtotal	1,970	1,740		
Total	3,070	2,840		
Future procurement				
• Merkava Mk 4	300			Being delivered

Note: Old MBT chassis are being converted into AFVs.

APCs/AFVs

Model	In stock	In service	Since	Notes
• Achzarit	215	215	1994	Being upgraded
• Namer	130	130	2008	Being delivered Equipped with Trophy APS
• M113 (various marks)	5,500	5,500		Some being upgraded
• Nagmashot*	}		1989	
• Nagmachon	}	400		
• Nakpadon	}			
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Model	In stock	In service	Since	Notes
Subtotal	6,245	6,245		
Light armored vehicles				
• Akrep	30	30	1998	
• Caracal/ Sandcat	70	70	2010	With Border Police
• M1114 up-armored HMMWV	+	+	2004	
• Ze'ev	300	300	2004	
• Sufa-2	700	700	2006	Armored version
• David	400	400	2008	Armored Defender-110
Subtotal	1,600	1,600		
UGVs				
• AvantGuard	+	+	2010	Under evaluation
• Guardium	+	+	2009	In Force Protection role
Total	7,850	7,850		
Future procurement				
• Namer				Total requirement up to 600, project renewed in 2014

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

Artillery

Model	In stock	In service	Since	Notes
Self-propelled guns and howitzers				
• 203mm M110	36	36	1975	
• 175mm M107	140	70	1974	
• 155mm M109 variants	600	600		To be upgraded
• 155mm M-50/ 155mm L-33	120	120		
Subtotal	896	756		
Towed guns and howitzers				
• 155mm M-71	+	+		
• 130mm M-46	+	+		
• 122mm D-30	+	+		
Subtotal	+	+		
Mortars, over 160mm				
• 160mm SP	+	+		Phased out

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Model	In stock	In service	Since	Notes
Mortars, under 160mm				
• 120mm Keshet/ Cardom SP	64	64	2006	
• 120mm	250	250		
Subtotal	314	314		
Missiles and rockets				
• Pere	+	+		M60 body with Tamuz missiles
• 122mm BM-21	+	+		
• 160mm Accular/ Magic Spear	12	12	2012	
• 227mm MLRS	48	48	1995	
• 290mm MAR 290	+	+		
Future procurement				
• 120mm Keshet/ Cardom SP				Follow-on order

Ground Radars

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

Israel

Advanced Munitions

Morty guided mortar shell , APAM-MP-T, M329 Cartridge (Kalanit) , APAM-MP-T M117/1 Cartridge (Rakefet) ,

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, Guardian UGV, Viper UGVs (Pazit), Ami bulldozers (3), Bobcat UGVs , Tunnel detection system

* 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	In stock	In service	Notes
• Combat	520	446	Including aircraft in operational storage
• Transport	54	52	
• Helicopters	181	154	

Combat Aircraft

Model	In stock	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	Upgraded to 2020 standard (2015).
• F-16 A/B (Netz)	107	107	1980/1986	To be phased out
• F-15 I (Ra'am)	25	25	1998	To be upgraded with AESA radar

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Model	In stock	In service	Since	Notes
Subtotal	368	368		
Advanced interceptors				
• F-15 A/B (Baz)	30	16	1976	Being upgraded to "Baz 2000" standard
• F-15 C/D (Baz)	42	42	1982/ 1998	Upgraded to "Baz 2000" standard
Subtotal	72	58		
Obsolete				
• A-4 Skyhawk	80	20	1967	Used for advanced training. The rest are in operational storage.
Total	520	446		
Future procurement				
• F-16 C/D 2020	+			Upgrading of existing aircraft
• F-35 JSF	33			Total requirement up to 100

Transport Aircraft

Model	In stock	In service	Since	Notes
• C-130J-30	2	2	2014	Since 2014
• C-130E Hercules	8	6	1970	To be phased out
• C-130H Hercules (Karnaf)	10	10	1980	Being upgraded; Four in tanker role
• Beech King Air B-200/200T (Ztufit)	29	29	1990	Some in surveillance role
Total	49	47		
Future procurement				
• V-22 Osprey	6-8			Project cancelled in 2014
• C-130J	3			Being delivered, Option for additional 6

Israel

Training and Liaison Aircraft

Model	In stock	In service	Since	Notes
Jet trainers				
• M-346 Master (Lavi)	15	15	1960	Being delivered
• 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 basic trainers
• AT-802 Fire Boss	8	8	2011	Privately owned, in firefighting role
• G 120A (Snunit)	27	27	2003	Privately owned primary trainers
Subtotal	126	91		
Total	126	91		
Future procurement				
• M-346 Master	30		2015	Privately owned advanced trainers, Being delivered

Helicopters

Model	In stock	In service	Since	Notes
Attack				
• AH-64A Apache (Peten)	27	27	1990	
• AH-64D Apache (Saraf)	18	18	2005	
• AH-1G/S Cobra (Tsefa)	45	32	1981	To be upgraded
Subtotal	90	77		
Heavy transport				
• CH-53-2000 (Yasoor)	37	23	1970	Upgraded to CH- 53-2025 (2015)
Medium transport				
• S-70A Blackhawk (Yanshouf)	49	49	1994/2002	
Naval combat				
• AS 565SA Panther (Atalef)	5	5	1995	
Total	181	154		

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Israel

Miscellaneous Aircraft

Model	In stock	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 (Shoval)	8	8	2006	MP radar payload
• Seascan (1124N)	3	3		To be upgraded
UAVs				
• Aerostar	+	+		
• Hermes 450 (Khamsan)	+	+		
• Hermes 900 UAV (Kokhav)	+	+	2011	
• Heron (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
• Skylark 2 (Doher Shamaim/ project Shani)	+	+	2011	Operational evaluation
• Other UAVs				I-view, Mini-V, dominator, Orbiter, skylite
Target drones				
Beech AQM-37A; Beech BQM-107B, MQM-74C Chuckar II, Teledyne Ryan 1241				
Tankers				
• KC-707 tanker	5	5	2002	Upgraded tankers
• KC-130 tanker	3	3	1976	Included in transport aircraft

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Model	In stock	In service	Since	Notes
Future procurement				
• KC-135 stratotanker	+			Under negotiations
• Eitan UAV	+			
• Orbiter UAV	4			For naval FMPBs
• Ghost Mini-UAV	+			For special forces
• Hermes 900 UAV	+			
• Skylark 2/ LE UAV (project Shani)	+			

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

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 (150), 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 (2,700), 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.

Israel

Air Force Infrastructure

Aircraft shelters

In all operational airfields, for combat aircraft

Military airfields 11

Haifa, Hatzerim, 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

Air Defense Forces

Surface-to-Air Missiles

Model	Batteries	Launchers	Since	Notes
Anti-ballistic missiles				
• Iron Dome	9		2010	
• Arrow- 1/2 ATBM	3	16	1998	Including Green Pine radar
Heavy Batteries				
• MIM-23B Improved HAWK	10		1965	
• MIM-104 Patriot	2		1991	
• MIM-104 Patriot PAC-2	8		2014	Upgraded with GEM-T missiles, Four batteries from German military drawdown
Total	20			
Light missiles				
• MIM-72A Chaparral		~50		
• Stinger		~ 20	1997	Part of Mahbet AD system
Total		~70		
Shoulder-launched missiles				
• FIM-92C Stinger		+		In operational storage
Future procurement				
• Iron Dome	9			
• David Slings	+		2015	
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Model	Batteries	Launchers	Since	Notes
• Arrow- 3 ATBM	+			

Other Air Defense Systems

Model	In stock	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 Hispano Suiza SP	+	+		
Total	~900	~900		
Radars				
• EL-2084 MMR	5	5	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			

Israel

Navy

Submarines

Type	In stock	Length (m.)/ displacement (t.)	Notes/armament
Submarines			
• Dolphin (Type 212/ 800)	5	57.3/1,900	Sub-Harpoon SSMs 6x533mm torpedoes total of 16 torpedoes/missiles
Future procurement			
• Dolphin AIP	3	68/ 2,300	Delivery in 2013-2017

Combat vessels

Type	In stock	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 Barak-8 SAMs
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		

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Type	In stock	Length (m.)/ displacement (t.)	Notes/armament
Future procurement			
• Sa'ar 6/ K-130 Future corvettes	4		

Patrol Craft

Type	In stock	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/ 25mm guns 2x12.7mm MGs 1x84mm MRL depth charges 2x324mm torpedoes
• Super Dvora Mk-III	10	27.4/72	1x25mm Typhoon gun 1X20mm gun Spike ER ATGMs APS 2x324mm torpedoes depth charges
• Dabur	15	19.8/39	2x20mm guns 2x12.7mm MGs 2x324mm torpedoes 1x84mm MRL depth charges
• Stingray (Nahshol)	3	12/10.5	
• Defender class (Tzir'ah)	8	9.5/2.7	7.62mm gun Radar Personal optical sensors
• Protector USV	3	9/	1x30mm gun
Total	57		

Landing Craft

Type	In stock	Length (m.)/ displacement (t.)	Notes/armament
• Ashdod class LCT	1	62.7/400	In reserve
Future procurement			
• Newport LST	1		Under negotiations

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Auxiliary Vessels

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

Special Maritime Forces

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

Coastal Defense

Type	In stock	Notes
Costal 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		