

6. ISRAEL

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Major Changes

- The Israeli intelligence community is now augmented by the launch of the Ofek-7 reconnaissance satellite (in June 2007) and the TecSAR radar reconnaissance satellite (In October 2007)
 - Following the lessons of the second Lebanon war the IDF decided to invest in two separate short-range and ultra short range BMD systems: the "David Sling" against short range rockets and the "Iron Dome" against ultra short range rockets. In addition the IDF a third Arrow BMD battery, and upgrading some of its Patriot batteries to the PAC-3 standard.
 - The Israeli Army is still absorbing its Merkava Mk IV MBTs, while withdrawing older MBTs from service. Meanwhile the Israeli Industry began producing and the IDF is introducing into service the new "Namer" IFV, which is based on the Merkava automotive system.
 - Following the lessons of the second Lebanon war the IDF is equipping its MBTs with the "Trophy" APS.
 - Delivery of the second order of 50 F-16I (Sufa) was concluded by the end of 2008.
 - The IAF received its 5 Gulfstream G550 aircraft – 3 of the SEMA version ("Eitam") and 2 of the CAEW version ("Shavit").
 - The IAF acquired the new Heron-2 HALE UAV – ("Shoval") and the Heron TP UAV ("Eitan").
 - The Navy will acquire two more Dolphin submarines from Germany
 - The Navy is absorbing additional 4 "super Dvora" and 3 "Shaldag" fast patrol boats and acquired 8 "Defender" class patrol boats from 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 Gabi Ashkenazi

Commander of Army HQ: Major General Avi Mizrakhi

Commander of the Air Force: Major General Ido Nehushtan

Commander of the Navy: Rear Admiral Eli Marom

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

Population: 7,200,000

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

		2003	2004	2005	2006	2007
• GDP (current price)	\$ bn	118.0	126.0	133.0	144.0	164.0
• GDP per capita	\$	20,500	21,655	23,207	24,755	26,323
• Real GDP growth	%	1.8	5.0	5.1	5.2	5.4
• Consumer price index	%	0.7	-0.5	1.4	2.1	0.5
• External debt	\$ bn	72.0	79.0	78.0	87.0	90.0
Balance of payments						
• Exports fob	\$ bn	30.19	36.66	40.0	43.0	50.0
• Imports fob	\$ bn	33.29	39.48	44.0	47.0	56.0
• Current account balance (including services and income)	\$ bn	1.37	2.93	4.0	8.0	5.0
Government expenditure						
• Total expenditure	\$ bn	44.12	44.93	46.28	63.67	53.7
• Defense expenditure	\$ bn	10.05	10.22	12.52	11.73	12.47
• Real change in defense expenditure	%	-1.5	1.7	22.9	-6.4	6.3
• Defense expenditure/GDP	%	8.5	8.1	9.4	8.2	7.6
Population	m	6.7	6.8	6.9	7.1	7.2
Official exchange rate	NIS:\$1	4.55	4.48	4.49	4.46	4.1

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 \$200 million worth of stockpiled US military equipment, TPY-2 AMD radar
Cooperation in military training	US and Turkish use of Israeli airfields and airspace for training (2003); Israeli use of Turkish airspace and airfields for training (2005)
Joint maneuvers	Canada (2005), India (2006), Romania (2005), Turkey (2008), NATO (2007), US (2008)

Arms Trade

Arms Procurement and Security Assistance Received

Country	Type	Details
Canada	• Arms transfers	Upgrading of C-130H (2008)
Germany	• Arms transfers • Assistance	Dolphin submarines (2006) Partial financial support for submarines constructed in Germany (2006)
India	• Arms transfers	Dhruv helicopter (2004)
UK	• Military training	Trainees in Britain
US	• Arms transfers • Assistance • Military training	F-16I combat aircraft (2005), AH-64D Longbow helicopters (2005), King Air B200-T aircraft (2004), Patriot PAC-3 SAMs (2008), JDAMs guided bombs (2007), D9R bulldozers (2004), Gulfstream G550 aircraft (2007), flight simulators (2004), HMMWV's (2004), engines for PBs (2006), M113A3 APCs (2004), A-36 training craft (2004), Tatra tracks (2005), GBU-28 bombs (2007), Defender PBs (2005), David LAVs (2006), 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 (2007), C-130J aircraft (2008), T-6 aircraft (2008), GBU-39 bombs (2008) \$2.55 billion annual military aid in FY09 (2008), \$200 million in special military aid (2008) Trainees abroad

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

Arms Sales and Security Assistance Extended

Country	Type	Details
Angola	• Arms transfers	upgrading of L-39 aircraft (2005)
Australia	• Arms transfers	naval guns (2005), Litening AT pods (2005), Skylark UAV (2008), Heron UAV (2005), I-view mini-UAVs (canceled - 2008)
Azerbaijan	• Arms transfers	Hermes-450 UAVs (2008)
Belgium	• Arms transfers	RCWS for IFVs (2007)
Brazil *	• Arms transfers	Airborne systems (2005), Derby AAMs (2006)

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Country	Type	Details
Bulgaria	• Arms transfers	Upgrading of helicopters (2006 – cancelled)
Cameroon	• Arms transfers	Cardom mortars (2007)
Canada	• Arms transfers	Skylark UAVs (2006), Heron UAVs (2008)
Chad	• Arms transfers	Raam APCs (2006), upgrading of helicopters (2006)
Chile*	• Arms transfers	Upgrading of F-5 combat aircraft (2004), Litening pods (2004)
Colombia	• Arms transfers	Avionics for Super Tucano aircraft (2006), Kfir aircraft (2008)
Croatia	• Arms transfers	Armor for MBTs (2005)
Czech Republic	• Cooperation in arms production, assembly, R&D	RCWS and Spike ATGMs (2006)
Ecuador	• Arms transfers	Heron UAVs (2008), Searcher-2 UAVs (2008), EL/M-2022 MP radars (2008)
Equatorial Guinea	• Arms transfers	Shaldag PB's (2004), MFPBs (2004), armored vehicles (2008)
Ethiopia	• Arms transfers	UAVs (2005)
Finland	• Arms transfers	thermal imaging systems (2005), Spike ATGMs (2006), Litening designator pods (2008)
France	• Arms transfers	Mine-clearing system (2004), Skylark UAV (2008)
	• Cooperation in arms production, assembly, R&D	Litening designator pods (2004), Eagle I UAV (2004), imaging satellite (2005)
Germany	• Arms transfers	Lahat ATGMs (2004) , Litening targeting pods (2007), laser designators (2006)
	• Cooperation in arms production, assembly, R&D	Missile components (2004), EW systems for helicopters (2004), electro-optical systems (2004), Spike ATGMs (2004)
Greece	• Arms transfers	Helmet-Mounted Cueing Systems (2005), Spice AGMs (2006)
	• Cooperation in arms production, assembly, R&D	Armor for HMMWV's (2004)
Georgia	• Arms transfers	Light armament (2004), Hermes-450 UAVs (2007)
Hungary	• Arms transfers	Litening designation pods (2006)
India*	• Arms transfers	Searcher-2 and Heron UAVs (2006), communication equipment (2004), Super-Dvora patrol boats (2003), Barak-8 SAMs (2008), avionics for Tu-142 aircraft (2004), surveillance system (2004), Phalcon AEW

Country	Type	Details
		aircraft (2008), avionics for Jaguar aircraft (2004), upgrading of APCs (2004), Lahat ATGMs (2004), satellite imagery (2004), Derby AAMs (2007), upgrading of Harrier aircraft (2008), ATMOS artillery (2006), Spyder SAMs (2008), AEW aerostats (2008), EL-2248 radar for MFPBs (2006)
	<ul style="list-style-type: none"> • Cooperation in arms production, assembly, R&D • Military training 	Fast attack crafts (2004), EW for aircraft (2006), upgrading of air defense systems (2004), tank shells (2005), UAVs (2005), Barak-NG, MR-SAM SAMs (2008) Instructors training Special Forces in India (2008)
Indonesia	<ul style="list-style-type: none"> • Arms transfers 	Searcher UAVs (2006)
Italy	<ul style="list-style-type: none"> • Cooperation in arms production 	Developing of EW system (2007)
Ivory Coast	<ul style="list-style-type: none"> • Arms transfers 	Upgraded Puma helicopters (2004), Aerostar UAV's (2004), Fast patrol boats (2004)
Japan	<ul style="list-style-type: none"> • Military training 	Training of security officers (2004)
Kazakhstan	<ul style="list-style-type: none"> • Arms transfers • Cooperation in arms production 	Orbiter UAV (2008) Nazia MRL (2008), 120mm Abiat mortar (2008), 120mm Semser gun (2008)
Lithuania	<ul style="list-style-type: none"> • Arms transfers 	Costal C ⁴ I system (2007)
Macedonia	<ul style="list-style-type: none"> • Arms transfers 	Upgrading of Mi-17 helicopters (2006)
Mexico	<ul style="list-style-type: none"> • Arms transfers 	MD500 helicopters (2004), Hermes UAVs (2008), Skylark UAVs (2008)
Netherlands	<ul style="list-style-type: none"> • Arms transfers 	Eros-A satellite imagery (2004), Reclite reconnaissance systems (2005), Litening targeting pods (2006), Skylark UAVs (2006), Battle management system (2007)
Nigeria	<ul style="list-style-type: none"> • Arms transfers 	Aerostar UAVs (2006)
Poland	<ul style="list-style-type: none"> • Arms transfers • Cooperation in arms production, assembly, R&D 	thermal imaging systems (2005), RCWS (2005) , Orbiter UAVs (2007) Reconnaissance systems (2005), Skylark mini-UAVs (2006)
Portugal	<ul style="list-style-type: none"> • Arms transfers 	RCWS (2006), Helmet Mounted Cueing-system (2007), Cardom mortars (2006)
PRC	<ul style="list-style-type: none"> • Arms transfers 	Upgrading of UAVs (2004), Eros-B satellite imagery (2007)
Romania	<ul style="list-style-type: none"> • Arms transfers • Cooperation in arms production, 	Flight simulators (2004), LAR-160 MRLs (2005), F-16 aircraft (2005), RCWS (2007) IAR-99 trainer aircraft (2006), upgrading of IAR-330 Puma helicopters (2005)

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Country	Type	Details
	assembly, R&D	
Russia	• Arms transfers	UAV's (2004)
Serbia	• Arms transfers	Orbiter UAVs (2008)
Singapore*	• Arms transfers	Protector USVs (2005), Hermes 450 UAVs (2007), G550 CAEW aircraft (2007)
	• Cooperation in arms production, assembly, R&D	Golden Eagle UAV's (2004)
Slovenia	• Arms transfers	Armor for MBTs (2005), ATMOS artillery (2006), RCWS (cancelled - 2008), Spike ATGMs (cancelled - 2008)
South Korea*	• Arms transfers	EHUD debriefing systems for air combat training (2004), avionics for helicopters (2005), K-52 helicopters (2005), reconnaissance systems (2005), Skylark-2 UAVs (2007)
Spain	• Arms transfers	Spike ATGMs (2007), Searcher-2 UAVs (2007)
Sri Lanka	• Arms transfers	CoMPAS reconnaissance systems (2004)
Sweden	• Arms transfers	Skylark UAVs (2007), Litening II targeting pods
Switzerland	• Arms transfers	C ⁴ I system (2006), upgrading of Super Puma helicopters (2006)
Turkey	• Arms transfers	upgrading of M-60 tanks (2006), Delilah anti-radar missile (2006), Harpy drones (2004), Litening targeting pods (2005)
	• Cooperation in arms production	Heron UAVs (2005)
Uganda	• Arms transfers	ATMOS artillery (2006)
Ukraine	• Arms transfers	Light armored vehicles (2007)
UK	• Arms transfers	Hermes UAV's (2007),
	• Cooperation in arms production, assembly	ESM systems (2005), weapon station (2005), Litening III targeting pods (2006)
US	• Arms transfers and cooperation in arms production	<i>Air Force equipment:</i> Helmet Mounted Cueing-system (2007), Litening designation pods (2008), upgrading UH-1 helicopters (2006), I-TALD (2008), Hunter UAV's (2007), upgrading of AGM's (2004), avionics for aircrafts (2005), upgrading of helicopters (2005), production of training aircraft (2004) <i>Ground Forces equipment:</i> tactical radio (2004), tactical computers (2005), Typhoon and Mini-Samson RCWS (2007), search and

Country	Type	Details
		rescue systems (2004) , D9R bulldozers (2004), armor for APCs (2008), Golan APCs (2007), Cardom mortars (2006)
Venezuela	• Arms transfers	Defender SAMs (2006 - suspended)
Vietnam	• Arms transfers	EW systems (2005)

* 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 pieces	✓		
Self propelled mortars	✓		
LORA, EXTRA Heavy artillery rockets , MRLs	✓		
Several types of ACVs (some based on old tank hulls)	✓		
Light armored vehicles	✓	✓	
Unmanned ground vehicles (UGV)	✓		
Tank guns	✓		
NT-G, NT-S, NT-D and Lahat ATGMs	✓		
ATRLs	✓		
Overhead weapon systems for IFVs	✓		
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, Rakefet Laser-guided mortar Shells	✓		
Artillery, mortar and small arms ammunition	✓		
Trophy, Iron Fist APS	✓		
Add on armor kits	✓		
Air force equipment			
Arrow ATBM	✓		
G150 business jet		✓	
Upgrading of combat aircraft	✓		
Upgrading of helicopters	✓		
AEW aircraft conversion	✓		
ADAMS, Defender, SPYDER air defense system	✓		
Iron Dome and David Sling ABM systems	✓		
ALCMs	✓		
AAMs	✓		

Updated on 17/06/2009

	M	P	A
AGMs	✓		
CBUs	✓		
TV and laser guided bombs	✓		
ELINT and target designation pods	✓		
UAVs and mini-UAVs	✓		
Harpy anti-radiation drone	✓		
Air-launched decoys	✓		
Operational flight trainer systems	✓		
Radars	✓		
Refueling system for aircraft	✓		
Helicopter parts		✓	
Flight simulators	✓		
Combat aircraft parts		✓	
Navy equipment			
LCTs	✓		
MFPBs	✓	✓	
PBs	✓		
Predator, Sea Star and Silver Marine USVs	✓		
Torpedo components		✓	
Electronics			
Radars – early warning, missile detection, Ship born AD, ground surveillance, Naval surveillance, SAR	✓		
Search and rescue system	✓		
ELINT equipment	✓		
ESM	✓		
EW jammers	✓		
Audio/video microwave transceivers	✓		
Radio voice scramblers and encryption units	✓		
Airborne ESM systems	✓		
Command and control system			
APC simulator	✓		
Optronics			
Night vision devices	✓		
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); 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 3.
• Ofeq	Reconnaissance	Currently deployed Ofeq-5 and Ofeq-7
• Eros	Reconnaissance	Civilian derivate of Ofeq, currently Eros-1B
• TECHSAR	Reconnaissance	SAR imagery satellite, 260kg, 550km in orbit
• TechSat	Research	Civilian
Satellite launcher		
• Shavit	SLV	
Future procurement		
• Amos-3/4	Communication	Civilian-owned satellites
• MILCOM	Communication	
• David	Remote sensing	

Armed Forces

Order-of-Battle

Year	2005	2006	2007	2008	2009
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	76	76	78	78	78
• Tanks	3,510 (3,890)	3,510 (3,890)	3,400 (3,800)	3,360 (3,740)	3,360 (3,740)
• APCs/AFVs	6,750	6,750	6,930	7,070	7,070
• Artillery (including MRLs)	+	+	+	+	+
Air Force					
• Combat aircraft	494 (845)	494 (845)	520 (875)	541 (874)	541 (874)
• Transport aircraft	60 (75)	60 (75)	71 (84)	66 (76)	66 (76)
• Helicopters	183 (291)	183 (291)	184 (286)	172 (285)	172 (285)
Air Defense Forces					
• Heavy SAM batteries	25	25	25	25	25
• Light SAM launchers	~70	~70	~70	~70	~70
Navy					
• Submarines	3	3	3	3	3
• Combat vessels	15	15	15	15	15
• Patrol craft	42	42	50	52	52

* 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/ Territorial		4	13	
Airborne			4	
Total		16	16	

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	250	250	2003	Some with Trophy ADS installed
• Merkava Mk 3	780	780	1989	
Subtotal	1,000	1,000		
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/M60 A1	360	310	1970	In operational storage
• M48 A5	200	0		In operational storage
• Centurion/upgraded Centurion	560	430	1965	In operational storage
Subtotal	1,740	2,360		
Total	3,740	3,360		
Future procurement				
• Merkava Mk 4	300			Being delivered

Note: Old MBT chassis are being converted into AFVs.

APCs/AFVs

Model	Quantity	In service	Since	Notes
• Achzarit	215	215	1994	
• Namer	15	15	2008	Being Delivered
• M113 (various marks)	5,500	5,500		Some being upgraded
• Nagmashot*	}		1989	
• Nagmachon	}	400		
• Nakpadon	}			
• M2/M3 halftrack	600	600		Some phased out
Subtotal	6,730	6,730		
Light armored vehicles				
• Akrep	30	30	1998	
• M1114 up-armored HMMWV	120	120	2004	
• Ze'ev	190	190	2004	
Subtotal	340	340		
Total	7,070	7,070		
Future procurement				
• Namer	45			Current order. Total requirement up to 250
• David	200			Armored Defender-110
• Sufa-2	500			Armored version
• Dingo	103			Possibly suspended

* 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		
Subtotal	896	756		
Towed guns and howitzers				
• 155mm M-71	+	+		
• 130mm M-46	+	+		

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Model	Quantity	In service	Since	Notes
• 122mm D-30	+	+		
Subtotal	+	+		
Mortars, over 160mm				
• 160mm SP	+	+		Phased out
Mortars, under 160mm				
• 120mm Cardom SP	60	60	2006	
• 120mm	250	250		
MRLs				
• 240mm	+	+	1974	
• 140mm	+	+		
• 122mm BM-21	+	+		
• 227mm MLRS	48	48		
• 290mm MAR 290	+	+		
Specialized missiles				
• Keres anti-radar missile	+	+		
• Kachlilit anti-radar missile	+	+		
Future procurement				
• 155mm ATMOS	18			Under negotiations

Ground Radars

Model	Quantity	In service	Since	Notes
Artillery/ mortar-locating radars				
• Skystar 300 aerostat	+	+	2007	
• AN/TPQ-37	+	+		
• AN/PPS-15	+	+		
• Shilem	+	+		
• Stalker II	+	+		

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

* 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, AT-3 (Sagger)

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

Air Force**Order-of-Battle**

Category	Quantity	In service	Notes
• Combat	874	541	Including aircraft in operational storage
• Transport	76	66	
• Helicopters	285	172	

Combat Aircraft

Model	Quantity	In service	Since	Notes
Advanced multi-role				
• F-16 I (Soufa)	101	101	2004	Being delivered
• F-16 C/D (Barak)	136	136		Upgraded
• F-16 A/B (Netz)	108	108	1980/1986	
• F-15I (Ra'am)	25	25	1998	
Subtotal	370	370		
Advanced interceptors				
• F-15 A/B/C/D (Baz)	72	72	1976	Upgraded
Obsolete				
• F-4E Phantom 2000	120	50	1969	In operational storage
• A-4 Skyhawk	174	44	1967	Used for advanced training. The rest are in operational storage.
• Kfir C-2/ TC-2/ C-7/ TC-7	140	5	1976	Small contingency force. some in operational storage, for sale
Subtotal	434	99		
Total	874	541		
Future procurement				
• F-35 JSF	25			Under negotiations Total requirement up to

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Model	Quantity	In service	Since	Notes
				a 100

Transport Aircraft

Model	Quantity	In service	Since	Notes
• Arava	9	9	1984	To be phased out
• Dornier Do-28	8	0		In storage
• Boeing 707	13	13	1973	Some in tanker role
• C-130E/H Hercules	18	15	1970	Some in Tanker role, 3 in storage
• Beech King Air B-200/200T	29	29	1990	Some in surveillance role
Total	76	66		
Future procurement				
• C-130J	9			Under negotiations
• C-27J	10			Under negotiations

Training and Liaison Aircraft

Model	Quantity	In service	Since	Notes
Jet trainers				
• CM-170 Fouga Magister (Tzokit)	79	39	1960	The rest are in operational storage
Piston/Turbo-prop				
• Bonanza A-36 (Hofit)	22	22	2005	
• Socata Trinidad TB-21 (Pashosh)	22	22	1995	To be phased out
• Cessna U-206 (Stationair-6)	21	0		In storage, for sale
• G 120A (Snunit)	27	27	2003	Trainers are privately owned.
Subtotal	92	71		
Total	172	111		
Future procurement				
• T-6A (Efrony)	25			To be supplied from 2009

Helicopters

Model	Quantity	In service	Since	Notes
Attack				
• AH-64A Apache	28	28	1990	
• AH-64D Apache	17	17	2005	Being upgraded
• AH-1G/S Cobra	63	33	1981	To be upgraded
• 500MD Defender	30	2	1979	In operational storage, For sale.
Subtotal	138	80		
Heavy transport				
• CH-53-2000	38	38	1970	Being upgraded to CH-53-2025
Medium transport				
• Bell 212	55	0		In storage for sale
• S-70A Blackhawk	49	49	1994/2002	
Subtotal	104	49		
Naval combat				
• AS 565SA Panther	5	5	1995	
Total	285	172		

Miscellaneous Aircraft

Model	Quantity	In service	Since	Notes
Reconnaissance				
• RF-4E	0	0		Also listed under Combat Aircraft
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 (RC-12D)	6	6	1990	
• King Air B-200T	10	10	2001	
Maritime surveillance aircraft				
• Heron-2 (Shoval)	4	4	2006	MP radar payload
• Seascan (1124N)	3	3		To be upgraded
UAVs				

Aerostar , Delilah/ Light Defender, Harpy anti-radiation drone* , Hermes 450B, Hermes 450S, Hermes 1500 High Altitude*, Heron-2 (Soval) , Heron TP (Eitan) , Hunter, Searcher I/II, Ranger, Pioneer

Model	Quantity	In service	Since	Notes
mini-UAVs				
I-view, Mini-V, Skylark, Skylite				
Target drones				
Beech AQM-37A; Beech BQM-107B, MQM-74C Chuckar II, Teledyne Ryan 1241				
Tankers				
• Boeing 707 tanker	3	3	2002	Included in transport aircraft
• KC-130 tanker	3	3	1976	Included in transport aircraft
Future procurement				
• Eitan UAV	+			
• Gulfstream G550	2			
• Skylite B UAV	+			
• Skylark UAV	+			

* 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, AMRAAM AIM-120B

Air-to-ground missiles

AGM-78D Standard ARM, AGM-65 Maverick, AGM-62A Walleye, AGM-45A/B Shrike, AGM-114 Hellfire, AGM-142 Popeye*, Spike (NT-S, NT-G, NT-D) ATGM*

Bombs

CBU (including Tal-1, ATA-1000, ATA-500), Delilah ALCM , runway-penetration bombs, Griffin, Guillotine, JDAMs guided bombs (228), Opher, Pyramid, Spice

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); EL/M-2022 MP radar

Future procurement

AIM-9M AAMs (500), Star-1 AGM/cruise missile (under development), AMRAAM AIM-120C AAMs (200), JDAMs guided bombs (10,000), BLU-109 guided bombs (2,000), GBU-28 guided bombs (50), Paveway 2 guided bombs (4,000), AGM-114L3 Hellfire II AGMs (480), Lizard-3 , Spice, GBU-39 guided bombs (1,000)

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

Air Force Infrastructure

Aircraft shelters

In all operational airfields, for combat aircraft

Military airfields

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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

Air Defense Forces

Surface-to-Air Missiles

Model	Batteries	Launchers	Since	Notes
Heavy missiles				
• MIM-23B Improved HAWK	17		1965	
• MIM-104 Patriot	2		1991	
• MIM-104 Patriot PAC-2	4		2000	3 of which are scheduled to be upgraded
• Arrow ATBM	2	16	1998	Including Green Pine radar and Citrus Tree command post
Total	25			
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	+			
• David Sling	+			
• MIM-104 Patriot PAC-3	3			Upgrade for systems in service

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Israel

Model	Batteries	Launchers	Since	Notes
• Arrow ATBMs	1			Total order of 3

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	+	+		
Hispano Suiza SP				
Total	~900	~900		
Radars				
• Ramit	+	+		
• FPS-100	+	+		
• AN/TPS-43	+	+		
• Green Pine	+	+		
• Great Pine	+	+		
• Alufa-3	+	+		
• Nautilus	+	+		
Aerostats with airborne radars				
• Status				

Navy

Submarines

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

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 8xGabriel II SSMs 64xBarak-1 SAMs 1x76mm gun 2x25mm Sea Vulcans 6x324mm torpedoes
MFPBs			
• Aliya class (Sa'ar 4.5)	2	61.7/498	1xSA 536 helicopter 8xHarpoon SSMs 4xGabriel II SSMs 2x20mm guns 1x20mm Vulcan Phalanx 2x12.7mm MGs
• 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
Subtotal	10		
ASW vessels			
• Reshef class (Sa'ar 4)	2	58/415	4xHarpoon SSMs 4-6xGabriel II SSMs 1-2x76mm guns 2x20mm guns 1x20mm Vulcan Phalanx

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Type	Quantity	Length (m.)/ displacement (t.)	Notes/armament
			2x12.7mm MGs In ASW role: 2-3x324mm torpedoes sonar
Total	15		
Future procurement			
• Future corvette	3-5		Under negotiations

Patrol Craft

Type	Quantity	Length (m.)/ displacement (t.)	Notes/armament
• Shaldag-2	4	23.6/56	1x25mm Typhoon gun
• Super Dvora Mk-I/II	15	21.6/54	2x20mm or 2x25mm guns 2x12.7mm MGs 1x84mm MRL depth charges 2x324mm torpedoes
• Super Dvora Mk-III	7	27.4/72	1x25mm Typhoon gun 1x20mm gun 2x324mm torpedoes depth charges
• Dabur	15	19.8/39	2x20mm guns 2x12.7mm MGs 2x324mm torpedoes 1x84mm MRL depth charges
• Stingray (Nahshol)	2	12/10.5	
• Defender class (Tzir'ah)	8	9.5/2.7	7.62mm gun Radar Personal optical sensors
• Protector	1	9/	USV under evaluation
Total	52		
Future procurement			
• Protector	+		
• Shaldag-2	1		Total order of 3 to be delivered by 2009
• Super Dvora Mk III	1		Total order of 4 to be delivered by 2009

Landing Craft

Type	Quantity	Length (m.)/ displacement (t.)	Notes/armament
• LCM class	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	95.1/1,150	Support ship
• Stollergrund (Type 745 – Bat Yam)	2	38.6/450	Support ships
• Ro-Ro	1		

Special Maritime Forces

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

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			