

6. ISRAEL

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Major Changes

- Israel is acquiring new short range anti ballistic missile systems: The "Iron Dome" is entering into operational service. Two batteries will be deployed as a first stage. A second system, the "David Sling" - designed to counter longer range rockets – is scheduled to enter service in 2012.
 - An additional third Arrow BMD battery is scheduled to enter service. While some of Israel's Patriot batteries will be upgraded 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. A different APS system, the "Iron Fist", is being installed on the "Namer" IFVs.
 - The IAF is replacing its aging Tzukit training aircraft with the new T-6A Texan (Efroni).
 - The IAF acquired the new Heron-2 HALE UAV – ("Shoval") and the Heron TP UAV ("Eitan"). The IAF is also acquiring the Hermes 900 UAV.
 - IDF ground forces are being equipped with the "Skylark" short range UAVs.
 - The Navy acquired two additional Dolphin submarines, which are being constructed in Germany.
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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 Sami Turgeman

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: 7,400,000

Demography

Ethnic groups		
• Jews	5,680,000	80.2%
• Arabs, Druze, and others	1,420,000	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	Canada (2005), India (2006), Jordan (2009), Romania (2005), Turkey (2009), NATO (2007), US (2009)

Arms Trade

Arms Procurement and Security Assistance Received

Country	Type	Details
Canada	• Arms transfers	Upgrading of C-130H (2008)
Germany	• Arms transfers	Dolphin submarines (2009), MAKO A-100 corvettes (2009)
	• Assistance	Partial financial support for submarines constructed in Germany (2009)
UK	• Military training	Trainees in Britain
US	• Arms transfers	F-16I combat aircraft (2005), AH-64D Longbow helicopters (2009), Patriot PAC-3 SAMs (2008), JDAMs guided bombs (2007), Gulfstream G550 aircraft (2007), engines for PBs (2006), Tatra tracks (2005), GBU-28 bombs (2007), Defender PBs (2005), 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 (2007), C-130J aircraft (2008), T-6 Texan aircraft (2009), GBU-39 bombs (2008) TPQ-48 radar (2009), F-35 JSF (2009), GBU-54 LJDAM (2009)
	• Cooperation in arms production	Namer IFVs (2009), David Sling ABM (2009), Arrow-3 ABM (2009)
	• Assistance	\$2.55 billion annual military aid in FY10 (2009), \$110 million in special military aid (2010)
	• Military training	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)
Afghanistan*	• Arms transfers	Sufa RVs (2009)
Australia	• Arms transfers	RCWS (2005), Litening AT pods (2005), Skylark UAV (2008), Heron UAV (2009), I-view mini-UAVs (canceled - 2008), Armor for APCs (2009)
Austrian	• Arms transfers	RCWS (2009)

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Country	Type	Details
Azerbaijan	<ul style="list-style-type: none"> • Arms transfers • Cooperation in arms production 	Hermes-450 UAVs (2009) Orbiter UAVs (2009)
Belgium	<ul style="list-style-type: none"> • Arms transfers 	RCWS for IFVs (2007)
Brazil *	<ul style="list-style-type: none"> • Arms transfers 	Airborne systems (2005), Derby AAMs (2006), Avionics for F-5M, AMX aircraft (2008), RCWS (2009), Heron UAVs (2009)
Bulgaria	<ul style="list-style-type: none"> • Arms transfers 	Sandcat LAVs (2009)
Cameroon	<ul style="list-style-type: none"> • Arms transfers 	120mm Cardom mortars (2007)
Canada	<ul style="list-style-type: none"> • Arms transfers 	Skylark UAVs (2006), Heron UAVs (2008), ECM for Frigates (2009)
Chad	<ul style="list-style-type: none"> • Arms transfers 	Raam APCs (2006), upgrading of helicopters (2006)
Colombia	<ul style="list-style-type: none"> • Arms transfers 	Avionics for Super Tucano aircraft (2006), Kfir aircraft (2009), AH-60 Arpia helicopters (2009)
Croatia	<ul style="list-style-type: none"> • Arms transfers 	Armor for MBTs (2005)
Czech Republic	<ul style="list-style-type: none"> • Cooperation in arms production, assembly, R&D 	RCWS and Spike ATGMs (2006)
Ecuador	<ul style="list-style-type: none"> • Arms transfers 	Heron UAVs (2008), Searcher-2 UAVs (2008), EL/M-2022 MP radars (2008)
Equatorial Guinea	<ul style="list-style-type: none"> • Arms transfers 	Armored vehicles (2008)
Ethiopia	<ul style="list-style-type: none"> • Arms transfers 	UAVs (2005)
Finland	<ul style="list-style-type: none"> • Arms transfers 	thermal imaging systems (2005), Spike ATGMs (2006), Litening designator pods (2008)
France	<ul style="list-style-type: none"> • Arms transfers • Cooperation in arms production 	Skylark UAV (2008) Harfang/ Heron UAV (2008), imaging satellite (2005)
Germany	<ul style="list-style-type: none"> • Arms transfers 	Litening targeting pods (2007), laser designators (2006), Heron UAVs (2010), Recclite reconnaissance pods (2009)
	<ul style="list-style-type: none"> • Cooperation in arms production 	Spike ATGMs (2009), Bluebird ABM sensor (2008), Harop ALCM (2009)
Greece	<ul style="list-style-type: none"> • Arms transfers 	Helmet-Mounted Cueing Systems (2005), Spice AGMs (2006)
Georgia	<ul style="list-style-type: none"> • Arms transfers 	Hermes-450 UAVs (2007), Spyder SAMs (2009)
Hungary	<ul style="list-style-type: none"> • Arms transfers 	Litening designation pods (2006)
India*	<ul style="list-style-type: none"> • Arms transfers 	Searcher-2 and Heron UAVs (2006), Phalcon AEW aircraft (2009), Derby AAMs (2007),

Country	Type	Details
		upgrading of Harrier aircraft (2008), ATMOS artillery (2006), Spyder SAMs (2009), AEW aerostats (2008), EL-2248 radar for MFPBs (2006), RISAT satellites (2009), Avionics for An-32 (2009), Harop ALCM (2009)
	<ul style="list-style-type: none"> Cooperation in arms production Military training 	EW for aircraft (2006), Tank shells (2005), UAVs (2005), Barak-NG, MR-SAM SAMs (2009), G150 aircraft (2009) 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), Spike ATGMs (2009)
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 	Hermes UAVs (2008), Skylite UAVs (2008), Orbiter UAVs (2009), Skystar aerostats (2009)
Netherlands	<ul style="list-style-type: none"> Arms transfers 	Reclite reconnaissance systems (2005), Litening targeting pods (2006), Skylark UAVs (2006), Battle management system (2007), Aerostar UAVs (2009)
Nigeria	<ul style="list-style-type: none"> Arms transfers 	Aerostar UAVs (2006)
Peru	<ul style="list-style-type: none"> Arms transfers 	Spike ATGMs (2009)
Poland	<ul style="list-style-type: none"> Arms transfers Cooperation in arms production 	thermal imaging systems (2005), RCWS (2005), Orbiter UAVs (2009), Aerostar UAV (2010) Reconnaissance systems (2005), Skylark mini-UAVs (2006), upgrading Boeing 767 aircraft (2009)
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 	LAR-160 MRLs (2005), RCWS (2007) IAR-99 trainer aircraft (2006), Upgrading of IAR-330 Puma helicopters (2005)
Russia	<ul style="list-style-type: none"> Arms transfers 	Bird-eye, I-view, Searcher UAV's (2009)
Serbia	<ul style="list-style-type: none"> Arms transfers 	Orbiter UAVs (2008)

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Country	Type	Details
Singapore*	<ul style="list-style-type: none"> • Arms transfers • Cooperation in arms production 	Protector USVs (2005), Hermes 450 UAVs (2007), G550 CAEW aircraft (2009), IMINT pods (2008), MP radars (2008), Skylark UAVs (2007) NRUAV (2009)
Slovenia	<ul style="list-style-type: none"> • Arms transfers 	Armor for MBTs (2005), ATMOS artillery (2006), RCWS (cancelled - 2008), Spike ATGMs (cancelled - 2008)
South Korea*	<ul style="list-style-type: none"> • Arms transfers 	Helmet Mounted Cueing-system and Avionics for helicopters (2009), reconnaissance systems (2005), Skylark-2 UAVs (2007), EL-2032 radars for FA-50 aircraft (2009), ECM for aircraft (2009), EL-2080 'Green Pine' radars (2009)
Spain	<ul style="list-style-type: none"> • Arms transfers 	Spike ATGMs (2009), Searcher-2 UAVs (2007), Mini-Samson RCWS (2008)
Sri Lanka	<ul style="list-style-type: none"> • Arms transfers 	Super Dvora PBs (2009)
Sweden	<ul style="list-style-type: none"> • Arms transfers 	Skylark UAVs (2007), Litening II targeting pods
Switzerland	<ul style="list-style-type: none"> • Arms transfers 	C ⁴ I system (2006), upgrading of Super Puma helicopters (2006)
Turkey	<ul style="list-style-type: none"> • Arms transfers • Cooperation in arms production 	upgrading of M-60 tanks (2006), Delilah anti-radar missile (2006), Litening targeting pods (2005) Heron UAVs (2010), IMINT pods (2009)
Uganda	<ul style="list-style-type: none"> • Arms transfers 	ATMOS artillery (2006), ASIS reconnaissance pods (2006), Falcon Eye UAVs (2009)
Ukraine	<ul style="list-style-type: none"> • Arms transfers 	Light armored vehicles (2007)
UK	<ul style="list-style-type: none"> • Arms transfers • Cooperation in arms production, assembly 	Hermes UAV's (2007) ESM systems (2005), weapon station (2005), Litening III targeting pods (2006)
US	<ul style="list-style-type: none"> • Arms transfers and cooperation in arms production 	<i>Air Force equipment:</i> Helmet Mounted Cueing-system (2009), Litening designation pods (2008), upgrading UH-1 helicopters (2006), I-TALD (2008), Hunter UAV's (2007), avionics for aircrafts (2005), AH-60 Battlehawk (2009) <i>Ground Forces equipment:</i> tactical computers (2005), Typhoon and Mini-

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Country	Type	Details
		Samson RCWS (2007), armor for APCs (2009), Golan APCs (2007), Cardom mortars (2010), Mortar FCS (2009)
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 guns	✓		
Self propelled mortars	✓		
LORA, EXTRA Heavy artillery rockets , MRLs	✓		
Several types of ACVs (some based on old tank hulls)	✓		
David, Sandcat, Sufa Light armored vehicles	✓	✓	
Rakal, Granite, Legatus reconnaissance vehicles	✓		
Unmanned ground vehicles (UGV)	✓		
Tank guns	✓		
Spike (SR, MR, ER, NLOS) and Lahat ATGMs	✓		
B-300, 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	✓		
Artillery, mortar and small arms ammunition	✓		
Trophy, Iron Fist APS	✓		
Add on armor kits	✓		
Air force equipment			
Arrow ATBM	✓		
G150, G250 business jets		✓	
Upgrading of combat aircraft	✓		
Upgrading of helicopters	✓		
Phalcon, G550 AEW aircraft conversion	✓		
ADAMS, Barak-8, Defender, SPYDER AD system	✓		

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	M	P	A
Iron Dome and David Sling ABM systems	✓		
Delilah, MSOV ALCMs	✓		
AAMs	✓		
AGMs	✓		
CBUs	✓		
TV and laser guided bombs	✓		
ELINT, target designation and surveillance pods	✓		
UAVs and mini-UAVs	✓		
Harpy anti-radiation drone	✓		
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 and Silver Marine USVs	✓		
Ship-based Barak AD missiles	✓		
Torpedo components		✓	
Electronics			
Radars – early warning, missile detection, Ship born AD, ground surveillance, Naval surveillance, 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			
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, Ofeq-7 and Ofeq-9
• Eros	Reconnaissance	Civilian derivate of Ofeq, currently Eros-1B
• TECHSAR	Reconnaissance	SAR imagery satellite, known as "Ofaq-8", 260kg, 550 km in orbit
• TechSat	Research	Civilian
Satellite launcher		
• Shavit	SLV	
Future procurement		
• Amos-3/4	Communication	Civilian-owned satellites

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Model	Type	Notes
• MILCOM	Communication	
• David	Remote sensing	

Armed Forces

Order-of-Battle

Year	2006	2007	2008	2009	2010
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	78	78	79	79
• Tanks	3,510 (3,890)	3,400 (3,800)	3,360 (3,740)	3,290 (3,730)	3,340 (3,770)
• APCs/AFVs	6,750	6,930	7,070	7,000 (7,500)	7,823 (8,325)
• Artillery (including MRLs)	+	+	+	+	+
Air Force					
• Combat aircraft	494 (845)	520 (875)	541 (875)	541 (875)	516 (875)
• Transport aircraft	60 (75)	71 (84)	66 (77)	66 (77)	66 (77)
• Helicopters	183 (291)	184 (286)	172 (285)	169 (285)	171 (287)
Air Defense Forces					
• Heavy SAM batteries	25	25	25	25	25
• Medium SAM batteries					1
• 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	50	52	55	57

* 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	17	

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	320	320	2003	Some with Trophy ADS installed
• Merkava Mk 3	780	780	1989	
Subtotal	1,100	1,100		
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	

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Model	Quantity	In service	Since	Notes
• M60/M60 A1	360	260	1970	In operational storage
• M48 A5	200	0		In operational storage
• Centurion/upgraded Centurion	490	360	1965	In operational storage
Subtotal	2,670	2,240		
Total	3,770	3,340		
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	60	60	2008	Being Delivered
• M113 (various marks)	5,500	5,500		Some being upgraded
• Nagmashot*	}		1989	
• Nagmachon	}	400		
• Nakpadon	}			
• M2/M3 halftrack	600	100		Some phased out
Subtotal	6,775	6,275		
Light armored vehicles				
• Akrep	30	30	1998	
• 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
• Guardium UGV	+	+	2009	UGVs under evaluation
Subtotal	1,550	1,550		
Total	8,325	7,825		
Future procurement				
• Namer	130			Current order. Total requirement up to 500
• Caracal/ Sandcat	79			
• Wildcat	+			

* 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	+	+		
• 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	+	+		
Specialized missiles				
• Keres anti-radar missile	+	+		
• Kachlilit anti-radar missile	+	+		

Ground Radars

Model	Quantity	In service	Since	Notes
Artillery/ mortar-locating radars				
• AN/TPQ-37 (Nurit)	+	+		
• AN/PPS-15	+	+		
• Raaz	+	+		
• AN/TPQ-48 LCMR	+	+		
• Shilem	+	+		
• Spyder	+	+	2010	Based on Caracal/ Granite chassis
• Stalker II	+	+		
Aerostats with radars				
• Hila	+	+	2008	
• Skystar 300 aerostat	+	+	2007	

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, Guardium UGV

* 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

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

Air Force

Order-of-Battle

Category	Quantity	In service	Notes
• Combat	875	516	Including aircraft in operational storage
• Transport	77	66	
• Helicopters	287	171	

Combat Aircraft

Model	Quantity	In service	Since	Notes
Advanced multi-role				
• F-16 I (Soufa)	101	101	2004	
• F-16 C/D (Barak)	136	136	1990	To be upgraded
• F-16 A/B (Netz)	107	107	1980/1986	
• F-15 I (Ra'am)	25	25	1998	
Subtotal	369	369		
Advanced interceptors				
• F-15 A/B/C/D (Baz)	72	72	1976	Upgraded
Obsolete				
• F-4E Phantom 2000 (Kurnass)	120	50	1969	In operational storage
• A-4 Skyhawk	174	20	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	75		
Total	875	516		
Future procurement				
• F-35 JSF	25			Under negotiations; Total requirement up to 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 (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
Total	77	66		
Future procurement				
• C-130J	3			With option for additional aircraft

Training and Liaison Aircraft

Model	Quantity	In service	Since	Notes
Jet trainers				
• CM-170 Fouga Magister (Tzokit)	79	0	1960	In operational storage
Piston/Turbo-prop				
• Bonanza A-36 (Hofit)	22	22	2005	
• T-6A (Efrony)	20	20	2009	
• 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	112	91		
Total	191	130		

Helicopters

Model	Quantity	In service	Since	Notes
Attack				
• AH-64A Apache (Peten)	30	27	1990	3 being upgraded
• AH-64D Apache (Saraf)	17	17	2005	
• AH-1G/S Cobra (Effeh)	63	33	1981	To be upgraded

Israel

Model	Quantity	In service	Since	Notes
• 500MD Defender	30	2	1979	In operational storage, for sale.
Subtotal	140	79		
Heavy transport				
• CH-53-2000 (Yasoor)	38	38	1970	Being upgraded to CH-53-2025
Medium transport				
• Bell 212 (Anafa)	55	0		In storage, for sale
• S-70A Blackhawk (Yanshouf)	49	49	1994/2002	
Subtotal	104	49		
Naval combat				
• AS 565SA Panther (Atalef)	5	5	1995	
Total	287	171		
Future procurement				
• AH-60 Battlehawk	18			
• AH-64D Apache Longbow	10			4 to be upgraded from existing platforms

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/B-200T (Ztufit)	16	16	1990/2001	
Maritime surveillance aircraft				
• Heron-2 (Shoval)	8	8	2006	MP radar payload
• Seascan (1124N)	3	3		

Model	Quantity	In service	Since	Notes
UAVs				
Aerostar , Delilah/ Light Defender, Harpy anti-radiation drone* , Hermes 450B (Khamsan), Hermes 450S, Hermes 1500 High Altitude*, Heron-2 (Soval) , Heron TP (Eitan) , Hunter, Searcher I/II, Ranger, Pioneer				
mini-UAVs				
I-view, Mini-V, Skylark LE				
Target drones				
Beech AQM-37A; Beech BQM-107B, MQM-74C Chuckar II, Teledyne Ryan 1241				
Tankers				
• Boeing 707 tanker	3	3	2002	Being upgraded
• KC-130 tanker	3	3	1976	Included in transport aircraft
Future procurement				
• Eitan UAV	+			
• Gulfstream G550	2			
• Hermes 900	+			
• Skylark LE 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*, Nimrod ATGM, Spike (LR, ER, NLOSf) ATGM*

Bombs

CBU (including Tal-1, ATA-1000, ATA-500), Delilah ALCM , GBU-39 guided bombs (1,000), runway-penetration bombs, Griffin, Guillotine, JDAMs (Barad Kaved) (228), Opher, PB-500 , Pyramid, Spice (Barad Plada)

Target designation pods

LANTIRN (Inbar), Litening , 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); EL/M-2022 MP radar

Future procurement

AIM-9M AAMs (500), Star-1 AGM/cruise missile (under development), AMRAAM

Israel

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-54 LJDAM (100), 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

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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			
Medium missiles				
• Iron Dome	1		2010	
Light missiles				
• MIM-72A Chaparral		~50		
• Stinger		~ 20	1997	Part of Mahbet AD system
Total		~70		

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Israel

Model	Batteries	Launchers	Since	Notes
Shoulder-launched missiles				
• FIM-92C Stinger		500 missiles		
• MIM-43A Redeye		+	1975	
Future procurement				
• Iron Dome	7			
• David Sling	+			
• MIM-104 Patriot PAC-3	3			Upgrade for systems in service
• Arrow-3 ATBM	1			

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				
Future procurement				
• EL/M-2084	5			

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		

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

Israel

Type	Quantity	Length (m.)/ displacement (t.)	Notes/armament
			2x20mm guns 1x20mm Vulcan Phalanx 2x12.7mm MGs In ASW role: 2-3x324mm torpedoes sonar
Total	15		
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
• 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	10	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 USV	2	9/	1x30mm gun
Total	57		
Future procurement			
• Protector	+		

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
• Munit (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			