



Nao H25 is a trusted platform for education and research in various topics, from robotics and computer science to autism and human-robot interaction. Nao H25 is Aldebaran Robotics' top end robot. With this fully-featured humanoid robot, there are no longer any limits to your work. Providing an open platform with full integration of state of the art hardware and software, Nao H25 streamlines efficiency and lets you focus on your core research.

GENERAL FEATURES

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BODY CARACTERISTICS		ACTUATORS	
HEIGHT	~58 CM - 22.8"	ALDEBARAN ROBOTICS ™ ORIGINAL DESIGN BASED ON:	Hall effect sensors
WEIGHT	~4.8 KG - 10.6LB		dsPICS microcontrollers
BODY MATERIAL	ABS-PC	SENSORS	
ENERGY			36 x Hall effect sensors
CHARGER	AC 90-230 volts / DC 24 volts		2 x gyrometer 1 axis
BATTERY CAPACITY	~90 min. autonomy		1 x accelerometer 3 axis
DEGREES OF FREEDOM			2 x bumpers
HEAD	2 DOF	DIFFERENT TIFE	2 x channel sonar
ARM	5 DOF in each arm		2 x I/R
PELVIS	1 DOF		Tactile sensor
LEG	5 DOF in each leg		8 x FSRs
HAND	1 DOF in each hand	LED	
MULTIMEDIA		TACTILE SENSOR	12 LEDs 16 Blue levels
SPEAKERS	2 Loudspeakers	EYES	2 x 8 LEDs RGB Fullcolour
MICROPHONES	4 Microphones	EARS	2 x 10 LEDs 16 Blue levels
VISION	2 CMOS Digital Cameras	TORSO	1 LED RGB Fullcolour
		FEET	2 x 1 LED RGB Fullcolour
		SOFTWARE COMPATIBILITIES	
CONNECTIONS TYPE	WI-FI (IEE 802.11 b/g)	Emboddod Linux (225ib x 0/	
	Ethernet Connection	05	ELF) using custom OpenEm- bedded based distribution
MOTHERBOARD		PROGRAMMING LANGUAGES	C++, Urbi script, Python, .Net
VOLAMD GEODE FOOMUT COLL	25/MD CDDAM / 2GD Elach Momony		L]

www.aldebaran-robotics.com