

Persia Humanoid Robot

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www.IranAdro.com/Humanoid_index.htm

February .2009

-Robot Specification

The Persia robot is 38cm tall and weighs about 1.6 kg. It has 20 degrees of freedom: 5 in each leg, 3 in each hand, 2 in trunk and 2 in head.

Specification			
Robot Name	PERSIA		
Height	38 cm		
Weight	1.6 kg		
Walking Speed	25cm/sec		
Mechanism System			
		Number of DOF	Type of motors
Head	Neck	2	Hitec Digital Servo Motor
Trunk	waist	2	Hitec Digital Servo Motor
Legs	hip	2 (X2)	Hitec Digital Servo Motor
	Knee	1 (X2)	Hitec Digital Servo Motor
	Ankle	2 (X2)	Hitec Digital Servo Motor
Arms	Shoulder	2 (X2)	Hitec Digital Servo Motor
	Elbow	1 (X2)	Hitec Digital Servo Motor
Total	20		
Electronic System			
Sensors	Camera-life view	Logitech 5000	320x240 resolution
	Accelerometer	3-axis	
Processors	PDA-HP ipaq 2795b	624MHz	
	AVR micro controller	ATMega128	
Power	LiPo Battery	12V, 1500mA	

- Robot Picture

