

KT-X PC

Robot Information

KumoTek Robotics announces the launch of a new low cost bipedal humanoid robot platform for researchers across America. Based on the 5 years RoboCup Award Winning VisiON 4G technology, the all new KT-X PC was developed with the concept of providing both an internal PC and motor controller in a bipedal robot frame, in order to expand the possibilities of robotics research.

The KT-X PC incorporates a 1.6GHz Atom Z530 processor, memory expansion slots, video input for vision, speakers, a 60Mhz motor controller, 3 axis gyro/accelerometer chip, a 1.3 megapixel CMOS camera, 6 high-torque/titanium gear motors in the legs and an external urethane foam casing to protect the robots internal PC and equipment from shock.

The onboard PC and vision system allows researchers to expand their areas of research and development, previously limited to higher end equipment. Through reliable communication and network capabilities, we expect this product to be utilized as a new man-machine interface connecting people and robots.

Name	KT-X PC Bipedal Humanoid Robot	
Features	Dimensions	H390mm×W225mm×D115mm
	Weight	2.2 Kg with battery
	Degrees of Freedom	20 axis (6 leg × 2, 3 arm × 2, 2 head) Servo: KT-S281J (6) KT-S092J (14)
	Main CPU	AXIOMTEK PICO820 Intel Atom Z530 (1.6GHz)
	Sub-CPU	VS-RC003HV (ARM7 60MHz)
	Sensors	VS-IX001×1 (2 axis gyro plus 3 axis accelerometer)
	Camera	1.3 Mega Pixel (2 axis)
	Interface	USB2.0×2、 RGB×1、 LAN (10/100/1000MBase-TX) ×1
	Other Equip	Optional optical sensor & mp3 package
Price	\$13,960	

