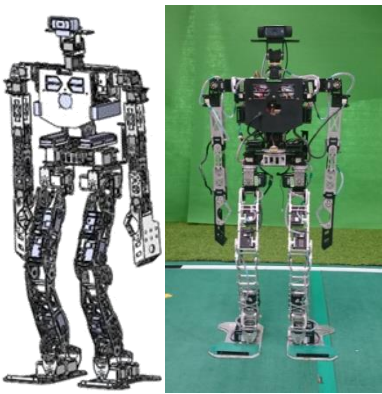
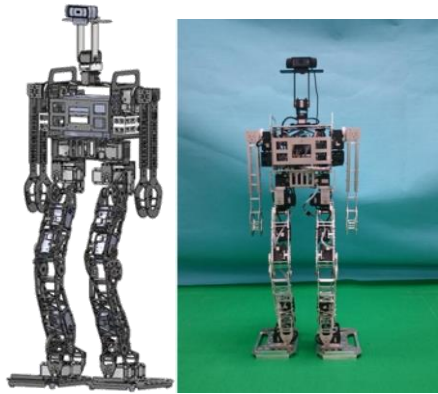


aiRobots Humanoid TeenSize Robots

Specification

RoboCup 2017 Humanoid League

Robot picture			
Robot name		David Junior	David Junior II
Height of the robot		95cm	94.2 cm
Weight of the robot		9.6Kg	8.6Kg
Walking speed in cm/s		16.5 cm/s	17.4 cm/s
Number of degrees of freedom and type of motors on each kinematic chain of the robot (improving)			
Actuator	Head	MX-28AR×2	MX-28AR×2
	Arms	MX-28×6, MX-28×2, MX-106×2	MX-106×2
	Waist	MX-64×1, MX-106×1	0
	Legs	MX-106×16	MX-106×16
	Total	30	20
D.O.F. (Degree of Freedom)	Head	2	2
	Arms	10	2
	Waist	2	0
	Legs	12	12
	Total	26	16
Type of sensors used (incl. type of camera(s)) Computing unit(s)			
Sensor	Camera	Logitech C920×1	Logitech C920×1
	IMU	x-IMU×1	x-IMU×1
Control unit	Computer	PICO880×1	PICO880×1
	Microcontroller	STM32-F103ZET6×1	STM32-F103ZET6×1