

IRC Team Specification Paper 2017

Adult-size Humanoid Robot Soccer Team

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Specification of the Artin

<i>Height</i>	133 cm	
<i>Weight</i>	25 kg	
<i>Walking speed</i>	~30 Cm/Second	
<i>Degrees Of Freedom</i>	20 in total: 2 in neck 3 in each arm 6 in each leg	
<i>Type of motors</i>	Mx-106	
<i>Sensors</i>	GY80 10DOF module	
<i>Camera</i>	Imaging Source® DFK 23G618	
<i>Computing unit</i>	1) Intel® Core™ i5 4250U processor 2) QBOX mini pc 2000	
<i>Accelerometer(IMU)</i>	ADXL 345 Accelerometer	
<i>Battery</i>	Li-Po 1) 11.1 V 8000 mA, 2) 11.1 V 4000 mA	