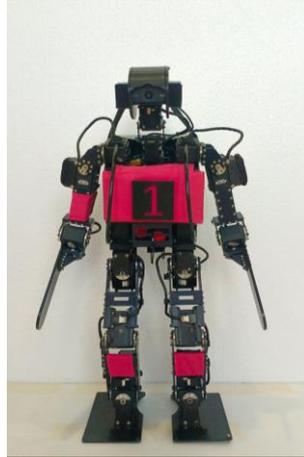


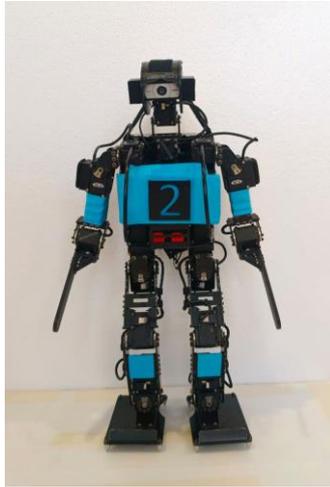
Barelang FC Robot Specification

Barelang FC 1



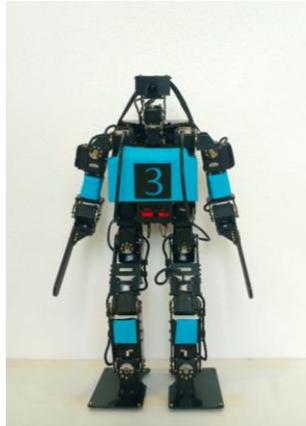
Dimension	Height	690 mm
	Foot	100 mm x 160 mm
	Leg	370 mm
	Arm	320 mm
	Weight	6,766 kg
20 DoF	Head	2 Dynamixel MX 28
	Hip	2 Dynamixel MX 64
	Arm	3x2 Dynamixel MX 64
	Leg	5x2 Dynamixel MX 106
Motion	Walking Speed	0.34 m/s
Sensor	Camera	Webcam Logitech C920
	IMU	BNO055 (Magnetometer not used)
Computing Unit	Main-Controller	NVIDIA Jetson Xavier NX
Materials	Head	Black Delrin
	Arm	Aluminum 6061, Black Delrin, and Filament TPU
	Hip	Aluminum 6061, Black Delrin and Filament PLA+
	Leg	Aluminum 6061 and Black Delrin
Electronics	Sub-Controller	OpenCR
	Jetson Shield	Shield for directly connect BNO055 to Jetson GPIO
Operating System	Ubuntu 20.04	
Battery	LiPo Battery 4 cell 2200 mAh	

Barelang FC 2



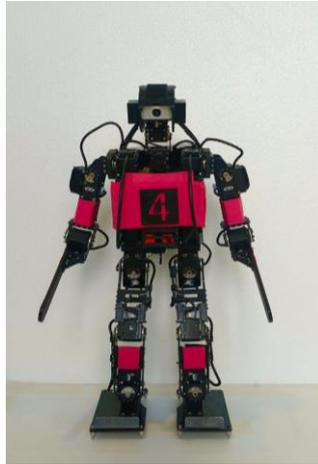
Dimension	Height	695 mm
	Foot	100 mm x 160 mm
	Leg	380 mm
	Arm	320 mm
	Weight	6,484 kg
20 DoF	Head	2 Dynamixel MX 28
	Hip	2 Dynamixel MX 64
	Arm	3x2 Dynamixel MX 64
	Leg	5x2 Dynamixel MX 106
Motion	Walking Speed	0.34m/s
Sensor	Camera	Webcam Logitech C920
	IMU	BNO055 (Magnetometer not used)
Computing Unit	Main-Controller	NVIDIA Jetson Xavier NX
Materials	Head	Black Delrin
	Arm	Aluminum 6061, Black Delrin, and Filament TPU
	Hip	Aluminum 6061, Black Delrin and Filament PLA+
	Leg	Aluminum 6061 and Black Delrin
Electronics	Sub-Controller	OpenCR
	Jetson Shield	Shield for directly connect BNO055 to Jetson GPIO
Operating System	Ubuntu 20.04	
Battery	LiPo Battery 4 cell 2200 mAh	

Barelang FC 3



Dimension	Height	695mm
	Foot	100 mm x 160 mm
	Leg	380 mm
	Arm	320 mm
	Weight	6,484 kg
20 DoF	Head	2 Dynamixel MX 28
	Hip	2 Dynamixel MX 64
	Arm	3x2 Dynamixel MX 64
	Leg	5x2 Dynamixel MX 106
Motion	Walking Speed	0.34m/s
Sensor	Camera	See3CAM_20CUG
	IMU	BNO055 (Magnetometer not used)
Computing Unit	Main-Controller	NVIDIA Jetson Xavier NX
Materials	Head	Black Delrin
	Arm	Aluminum 6061, Black Delrin, and Filament TPU
	Hip	Aluminum 6061, Black Delrin and Filament PLA+
	Leg	Aluminum 6061 and Black Delrin
Electronics	Sub-Controller	OpenCR
	Jetson Shield	Shield for directly connect BNO055 to Jetson GPIO
Operating System	Ubuntu 20.04	
Battery	LiPo Battery 4 cell 2200 mAh	

Barelang FC 4



Dimension	Height	690 mm
	Foot	100 mm x 160 mm
	Leg	370 mm
	Arm	320 mm
	Weight	6,523 kg
20 DoF	Head	2 Dynamixel MX 28
	Hip	2 Dynamixel MX 64
	Arm	3x2 Dynamixel MX 64
	Leg	5x2 Dynamixel MX 106
Motion	Walking Speed	0.34m/s
Sensor	Camera	Webcam Logitech C920
	IMU	BNO055 (Magnetometer not used)
Computing Unit	Main-Controller	NVIDIA Jetson Xavier NX
Materials	Head	Black Delrin
	Arm	Aluminum 6061, Black Delrin, and Filament TPU
	Hip	Aluminum 6061, Black Delrin and Filament PLA+
	Leg	Aluminum 6061 and Black Delrin
Electronics	Sub-Controller	OpenCR
	Jetson Shield	Shield for directly connect BNO055 to Jetson GPIO
Operating System	Ubuntu 20.04	
Battery	LiPo Battery 4 cell 2200 mAh	