

Robot Description for Team TH-MOS

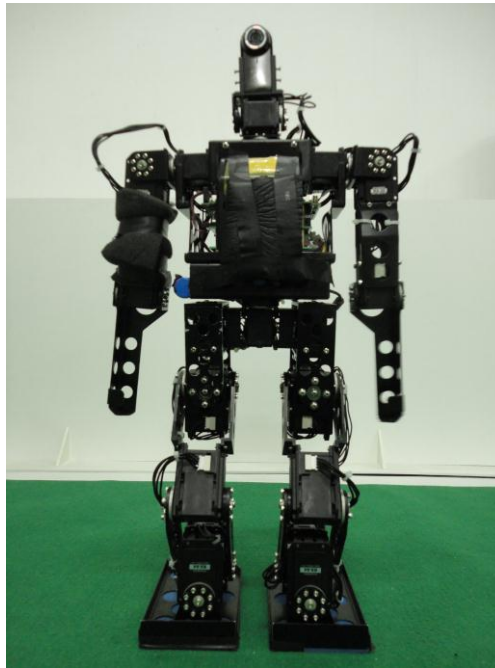


Fig. 1. Picture of MOS2013

Table 1. Technical Data of MOS2013

Name:	MOS2013	
Servos :	RX64	RX28
Torque[Kgf.cm]	64.4	28.3
Speed[sec/60 degree]	0.188	0.167
Computing Unit:	PC104 ARM LPC1768	
Sensors:		
Camera	Logitech C905	
Resolution	640×480	
Color space	YUYV	
Frame rate [fps]	15	
Accelerometer	2 axes	
Gyro	2 axes	
Digital Compass	2 axes	
Degree of freedom	21	
Weight [g]	5341	
Height [cm]:	58.6	
Walking Speed[m/s]	0.20	

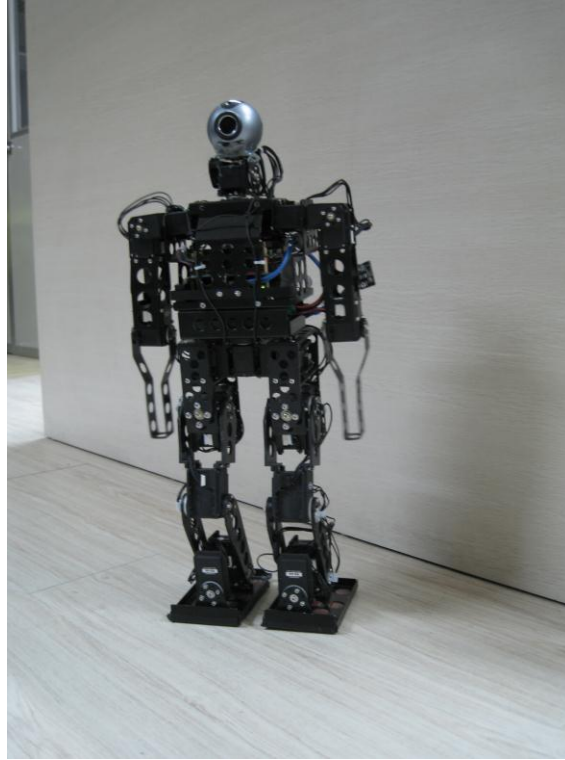


Fig. 2. Picture of MOS-Strong

Table 2. Technical Data of MOS-Strong

Name:	MOS-Strong	
Servos :	RX64	RX28
Torque[Kgf.cm]	64.4	28.3
Speed[sec/60 degree]	0.188	0.167
Computing Unit:	PC104 ARM LPC1768	
Sensors:	Logitech QuickCam 5000	
Camera	Logitech QuickCam 5000	
Resolution	640×480	
Color space	YUV	
Frame rate [fps]	30	
Accelerometer	2 axes	
Gyro	2 axes	
Digital Compass	2 axes	
Degree of freedom	21	
Weight [g]	5341	
Height [cm]:	58.3	
Walking Speed[m/s]	0.20	

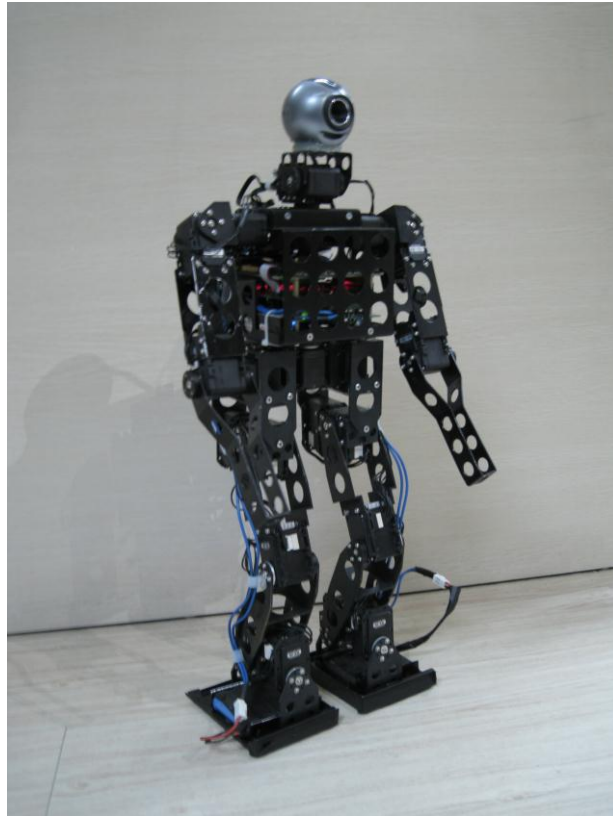


Fig. 3. Picture of MOS-Lite

Table 3. Technical Data of MOS-Lite

Name:	MOS-Lite	
Servos :	RX28	AX12
Torque[Kgf.cm]	28.3	16.5
Speed[sec/60 degree]	0.167	0.196
Computing Unit:	PC104 ARM LPC1768	
Sensors:	Logitech QuickCam 5000	
Camera	640×480	
Resolution	YUV	
Color space	30	
Frame rate [fps]	2 axes	
Accelerometer	2 axes	
Gyro	2 axes	
Digital Compass	2 axes	
Degree of freedom	21	
Weight [g]	3025	
Height [cm]:	57.6	
Walking Speed[m/s]	0.24	