JoiTech Robot Specification

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1 Specifications

The team JoiTech utilizes a robot, Tichno-RN which has 22 degree of freedom. Mechanical structure of Tichno-RN was developed by Vstone Co.,Ltd. Its link structure and a front view are shown in Fig. 1, and the detailed specification is shown in Table 1.
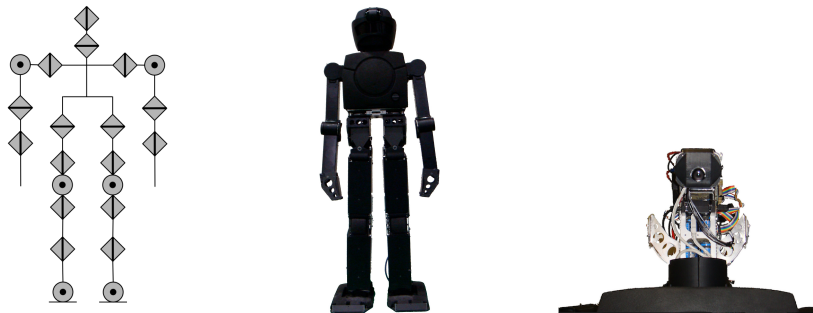

Fig. 1. Tichno-RN robot

Table 1. Tichno-RN hardware specifications

Tichno-RN		
Height (mm)	1400	
Weight (kg)	25	
DOF	22	
Actuators	VS-SV410, VS-SV1150, VS-SV3310	
Camera Type	SenTech STC-C33USB-BTL	
Controller	Main Controller	Sub Controller
CPU	Panasonic Let's NOTE Core2Duo 1.6GHz	VS-RC003HV ARM7TDMI LPC2148
ROM	222 GB (HDD)	512 KB
RAM	2 GB	40 MB
OS	Windows7	None