

# Bot specification WF Wolves 2013

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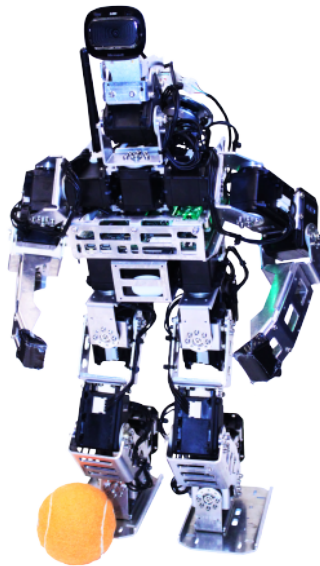


Fig. 1. Bot WF Wolves 2013

- **Name:** Da-v1n
- **Number of degrees of freedom:** 20 DoF
- **Type of motors:**
  - Dynamixel RX28 → 2.3 Nm Stall torque
  - Dynamixel MX28R → 2.3 Nm Stall torque
- **Computing unit:**
  - Vision/AI processor: Intel Atom Z530 @ 1.6 GHz
  - Movement control: Atmel AT91SAM7X256 @ 96 MHz
- **Camera:** DFM 42BUC03-ML or Microsoft Lifecam HD-3000
- **Sensors:** 1 camera and an IMU (3-axis accelerometer, 3-axis gyroscope, 3-axis magnetometer)
- **Walking speed:** up to 11.4 m/min
- **Other specs:**
  - Weight: 2.8 kg
  - Size: 47 cm