

AcYut Robot Specification RoboCup 2017

Anant Anurag, Archit Jain, Vikram Nitin, Aadi Jain, Sarvesh Srinivasan,
Shivam Roy, Anuvind Bhat, Dhaivata Pandya, and Bijoy Kumar Rout

Centre for Robotics and Intelligent Systems,
Birla Institute of Technology and Science,
Pilani. Rajasthan 333031, India
{anant,archit,vikram,aadi,sarvesh,shivam,anuvind,dhaivata}@acyut.com,
rout@pilani.bits-pilani.ac.in
<http://www.acyut.com/>



Fig. 1. AcYut 8

- **Robot Name** : AcYut 8
- **Height of the Robot** : 88cm
- **Weight of the robot** : 5.9 kg
- **Walking speed in cm/s** : 22 cm/s
- **Number of degrees of freedom** : 18
- **Actuators** : Robotis Dynamixel MX 106, 64, 28
- **Camera** : iDS UI-1221LE-C-HQ (752x480 CMOS color)
- **IMU** : Pixhawk PX4FMU
- **Processor** : Intel i3 D34010WYKH
- **Batteries** : Lithium Polymer 14.8V 3300mAh
- **Wireless** : Wireless LAN (IEEE802.11a/b/g)



Fig. 2. AcYut 7

- **Robot Name :** AcYut 7
- **Height of the Robot :** 99cm
- **Weight of the robot :** 7.4 kg
- **Walking speed in cm/s :** 15 cm/s
- **Number of degrees of freedom :** 18
- **Actuators :** Robotis Dynamixel EX 106, MX 64
- **Camera :** iDS UI-1221LE-C-HQ (752x480 CMOS color)
- **IMU :** Pixhawk PX4FMU
- **Processor :** Intel i3 D34010WYKH
- **Batteries :** Lithium Polymer 14.8V 3300mAh
- **Wireless :** Wireless LAN (IEEE802.11a/b/g)