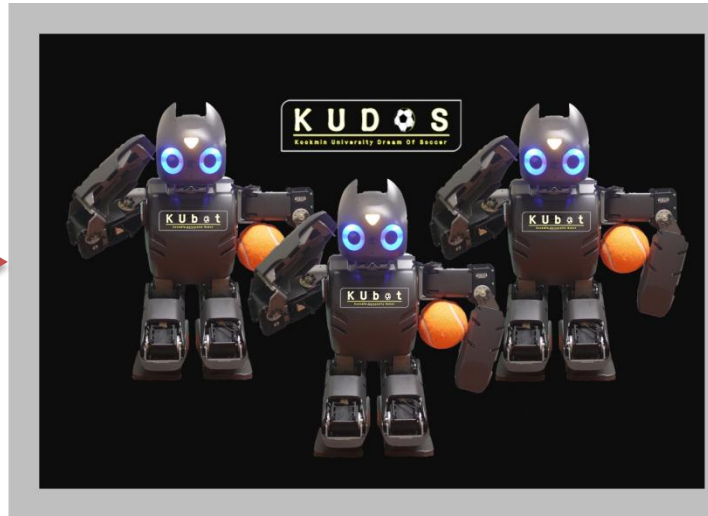


# KUDOS ROBOT SPECIFICATION

(KUDOS : Kookmin University Dream Of Soccer)

## ROBOT PICTURE



## ROBOT NAME

**KUbot(DARwIn-OP)**

## HEIGHT OF ROBOT

**454.5mm (17.90 in)**  
[Leg 250mm (9.85in)]

## WEIGHT OF ROBOT

**2.90kg (6.39 lb)**

## WALKING SPEED

**24.0cm/sec (9.44in/sec)**

## NUMBER OF DOF

**6 DOF Leg x 2 + 3 DOF Arm x 2 + 2 DOF Head**  
[20 Actuator Modules]

## TYPE OF MOTOR

**DYNAMIXEL MX-28**  
[Maxon Coreless DC Motor, Absolute Encoder, TTL Network Interface]

## TYPE OF SENSOR

**3-Axis LYPR540AH Gyroscope**  
**3-Axis ADXL335 Accelerometer**

## TYPE OF CAMERA

**2MP HD Logitech C905 Camera**

## COMPUTING UNIT

**Main Controller : SBC-fitPC2i**  
[Intel Atom Z530 1.6Ghz, 1GB DDR2 SDRAM, 4GB SDD]  
**Sub Controller : CM-730**  
[ARM Cortex-M3 STM32F103RE 72Mhz, 64kB SDRAM]

## OTHER SPECS

**Sound** : Speaker, MIC. **Button & Switch** : Body Button, Power Switch.  
**Display** : Head LED, Eye LED, Body LED. **Power** : Battery Li-Po 11.1v 1000mA.