

timeTec Hubot DV FOR DEVELOPERS

The Fastest Way to AI Your Solution



Artificial Intelligence is the tech of the town, and every solution wants to play catch up with AI. However, it is also a common knowledge that to start an AI development is costly, time consuming and resource demanding because AI experts are scarce and highly sought after.

Therefore, in view of the high demand for AI and to go against all the challenges, TimeTec launches Hubot DV for developers, a shortcut to having AI in their solution(s).

Hubot DV, a humanoid robot that comes with its own SDK is the perfect choice for developers and researchers to jumpstart their AI development projects, build their own user applications on top of TimeTec Hubot's Loomo platform, an open platform for engineers and designers to create a personal robot by building applications and accessories.

TIMETEC HUBOT DV PROVIDES:



Hubot SDK to develop high-level user interface (UI) and communicate with Loomo base module.



Sample Android Apps are available to demonstrate fundamental functions such as indoor navigation, obstacle avoidance, object detection and more.



Loomo SDK to control the base movement and access built-in sensor data.



General: Hubot for Developer DV

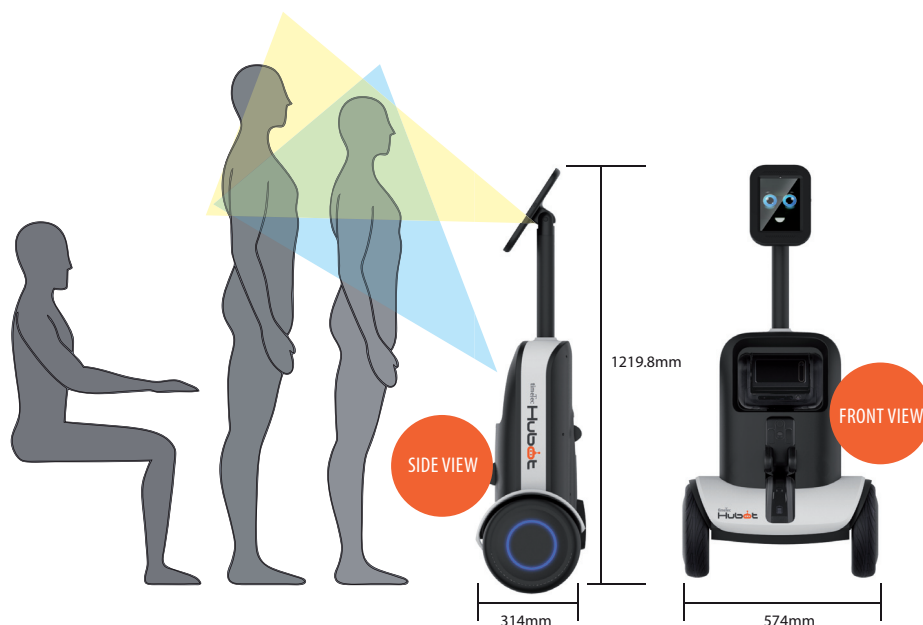
Available sensor data:
aligned RGB-depth
images, location
information from Inertial
Measurement Unit (IMU),
as well as built-in
perception functions
such as mic-array based
voice recognition.

GENERAL 3D VIEW



DIMENSION

574 mm x 314 mm x 1108.9 mm (exclude the height of smart device)



SPECIFICATION

MOVEMENT	Traversable along paved road and sidewalks, packed dirt, slopes, obstacles (1cm), gaps (3cm)
DRIVING WHEELS AND ENCODERS	2 differential driving wheels, nominal power 400 W x 2 with high precision hall and magnetic encoders
CAMERA	Front facing camera: 720p HD
INPUT	Keyboard, camera
OUTPUT	Voice greeting & guidance
ON BOARD SENSORS	Ultrasonic sensors, infrared distance sensors, encoders, IMUs
ON BOARD SYSTEM	Android 5.1
CONNECTIVITY	WiFi (802 b/g/n), NFC, Bluetooth 5.0
BATTERY SPECS	Battery capacity 6450mAh, nominal voltage 51 Vdc, maximum charging voltage 58.8 Vdc
WORKING DURATION	8 hours
WEIGHT	Approx. 32 kg

TimeTec Hubot with Application

TimeTec Hubot XV is built-in with Visitor Management System, which has been loaded with various interesting autonomous features and tailored to suit our cloud-based TimeTec VMS for Intelligent Building 4.0. This Hubot XV is programmed to interact with a person through vision, speech and body language, to achieve both automation and security for the visitor management at office towers and residential communities. Hubot can register walk-in visitors, verify pre-registered visitors, ushering VVIP visitors, report to the control room and many more actions.



NOTE: Specifications are subject to change without prior notice.

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