



Leading machine connections

CASHU

5G Connected Autonomous Social Humanoid

The Fivecomm 5G Connected Autonomous Social Humanoid (CASHU) is our first 5G social bot line specially designed for interacting in real time interconnecting humans in any scenario (event center, hospital, airport, home...)

CASHU is the Fivecomm 5G social bot customizable line built with an industrial bot base that provides mainly autonomous movements in any place and a humanoid body that allows to interact in real time interconnecting humans from one to any location.

CASHU supports natively 5G Non-Standalone (NSA) and Standalone (SA) technologies but also 4G and 3G.

CASHU main capabilities are:

1. Flexible autonomous driving
2. Real time
 - a. Remote Driving
 - b. Telepresence
 - c. Human location guide
3. Real time Artificial Intelligence
 - a. Mask detection
 - b. Social distance
 - c. Marketing and promotions

5G native

Both 5G Non-Standalone (NSA) and 5G Standalone (SA) modes are supported, in addition to 4G and 3G.

Easy deployment

- Step 1: Power on
- Step 2: Scenario mapping
- Step 3: Start interaction

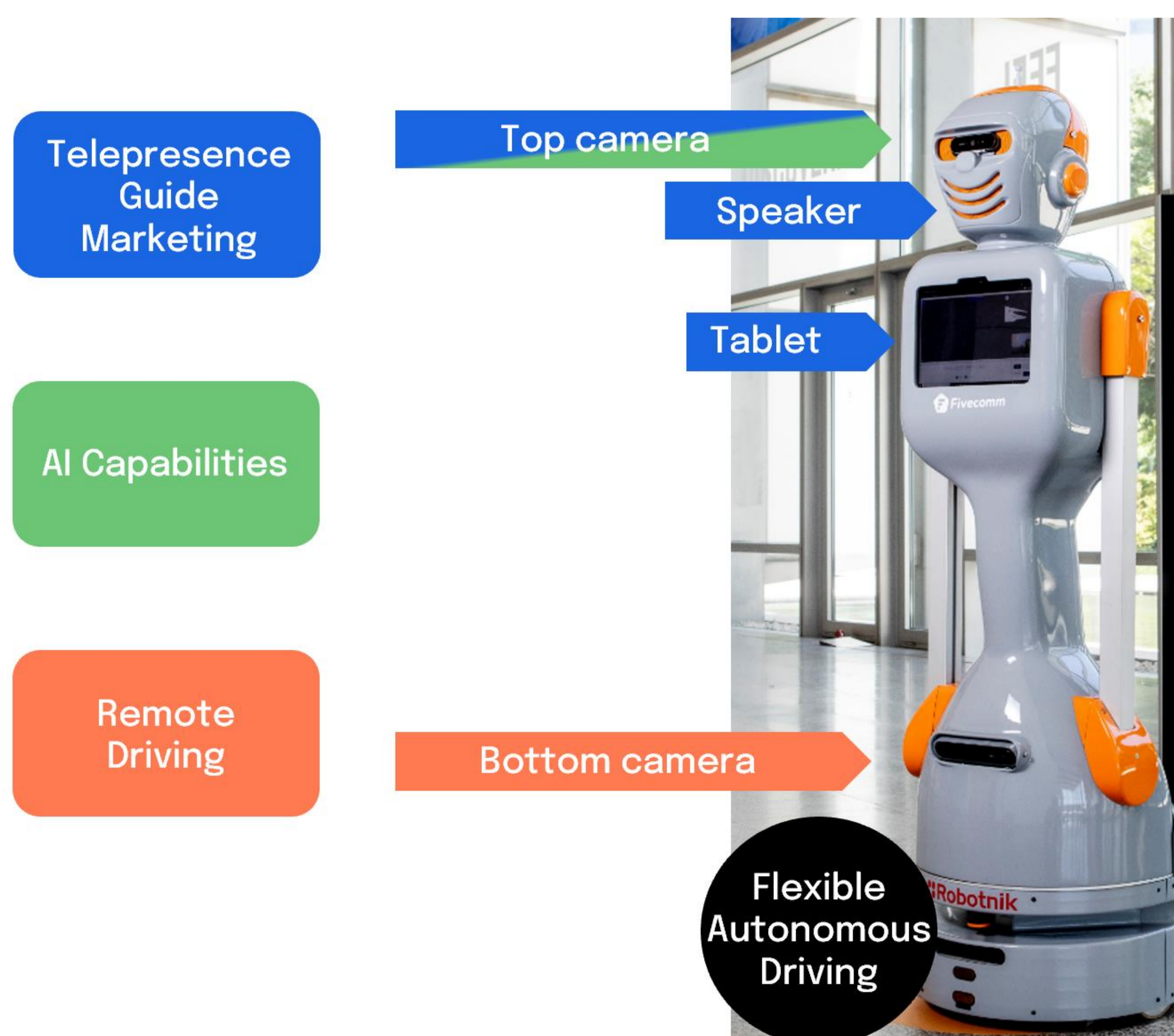
Customizable

It can be chosen different bot base depending on the mechanical functionalities required.

Fivecomm designs and develops any bot body based on our customers capabilities needed.

Remote management

Management platform that allows to configure, monitor and perform software updates remotely.



Technical specifications

Interfaces	
Antennas	Up to 4 (integrated or external) n78 Up to 2 (integrated or external) n28
Tablet	1 (Telepresence, Guide, Marketing...)
Speaker	1 (Telepresence, Guide, Marketing...)
Top camera	1 (Telepresence, Guide, Marketing, AI capabilities...)
Bottom camera	1 (Remote Driving)
Communications - Frequency bands	
5G NR (NSA and SA)	n41/n77/n78/n79/n1/n3/n5/n7/n8/n20/n28/n38/n40
LTE-FDD	B1/B3/B5/B7/B8/B18/B19/B20/B26/B28/B32
LTE-TDD	B34/B38/B39/B40/B41/B42/B43
WCDMA	B1/B3/B5/B6/B8/B19
Capabilities	
Flexibility	Autonomous driving
Real Time	Remote driving, Telepresence, Human location guide
Artificial Intelligence	Mask detection, Social distance, Marketing and promotions
Data rates (Theoretical Maximum)	
5G SA	2.1 Gbps (DL)/ 900 Mbps (UL)
5G NSA	2.5 Gbps (DL)/ 650 Mbps (UL)
LTE (cat 16)	1.0 Gbps (DL)/ 200 Mbps (UL)
WCDMA	42 Mbps (DL)/ 5.76 Mbps (UL)
Mechanical	
Dimension (H x Ø)	165 cm x Ø 51.5 cm
Weight	55Kg
Maximum speed	1.5 m/s
Maximum slope	5%
Electrical	
Autonomy	9 hours
Battery configuration	LiFePO4 30Ah@24V (customizable)
Management	
CASHU management options	Remote management and Local management (USB port)
Temperature Range	
Operating temperature	0°C to +50°C

