

AI service robot parameter configuration

Model Name	Timo AI service robot business version YT-1-13B	Snow AI service robot YS-10-13	Alice AI service robot YA-10-13	Amy AI service robot YAM-10-22	Jupiter AI service robot YJ-2-24
Product Image					
Basic parameters					
Robot appearance size (mm)	L460*W460*H1200	L550*W600*H1120	L580*W550*H1500	L650*W560*H1500	L540*W470*H1400
Robot body weight (kg)	about 20	about 31	about 45	about 49	about 40
Battery Type	Ternary lithium battery	Ternary lithium battery	Ternary lithium battery	Ternary lithium battery	Ternary lithium battery
Battery capacity (Ah)	15	20	20	20	20
Battery energy (Wh)	389	518	518	518	518
Continuous working hours (H)	≥8	≥10	≥10	≥10	≥10
Charging time (H)	2~3	3~4	3~4	3~4	3~4
Charger input	AC100~240V	AC100~240V	AC100~240V	AC100~240V	AC100~240V
Charging pile output	DC24V/8A	DC24V/8A	DC24V/8A	DC24V/8A	DC24V/8A
Average power (W)	50	50	50	50	50
Head expression type	LCD expression	DLP projection	LCD expression	LED array	none
color	black+white	White	gray+white	gray+white	black+white
Touch screen type	Capacitive	Capacitive	Capacitive	Capacitive	Capacitive
Touch screen size (inches)	13.3	13.3	13.3	21.5	23.8
screen interface	eDP	eDP	HDMI	HDMI	HDMI
Touch screen resolution	1920*1080	1920*1080	1920*1080	1080*1920	1080*1920
AI interactive system					
CPU	RK3576, quad-core 2.4GHz Cortex-A75 + quad-core 1.8GHz Cortex-A55	RK3576, quad-core 2.4GHz Cortex-A75 + quad-core 1.8GHz Cortex-A55	RK3576, quad-core 2.4GHz Cortex-A75 + quad-core 1.8GHz Cortex-A55	RK3576, quad-core 2.4GHz Cortex-A75 + quad-core 1.8GHz Cortex-A55	RK3576, quad-core 2.4GHz Cortex-A75 + quad-core 1.8GHz Cortex-A55
RAM	8G	8G	8G	8G	8G
ROM	64G	64G	64G	64G	64G
OS	Android 14	Android 14	Android 14	Android 14	Android 14
Motion Control System					
CPU	RK3576, quad-core 2.4GHz Cortex-A75 + quad-core 1.8GHz Cortex-A55	RK3576, quad-core 2.4GHz Cortex-A75 + quad-core 1.8GHz Cortex-A55	RK3576, quad-core 2.4GHz Cortex-A75 + quad-core 1.8GHz Cortex-A55	RK3576, quad-core 2.4GHz Cortex-A75 + quad-core 1.8GHz Cortex-A55	RK3576, quad-core 2.4GHz Cortex-A75 + quad-core 1.8GHz Cortex-A55
RAM	8G	8G	8G	8G	8G

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ROM	64G	64G	64G	64G	64G
OS	ubuntu20.04	ubuntu20.04	ubuntu20.04	ubuntu20.04	ubuntu20.04
Sports performance					
Speed(m/s)	0~1.2	0~1.2	0~1.2	0~1.2	0~1.2
Operating noise at 1 meter distance (dB)	≤55	≤55	≤55	≤55	≤55
Braking distance (mm)	≤200	≤200	≤200	≤200	≤200
nod	yes	no	yes	no	no
shake head	yes	no	yes	no	no
arms swinging	yes	yes	yes	no	no
driving wheel	4.5 inches*2	5.5 inches*2	5.5 inches*2	5.5 inches*2	5.5 inches*2
Universal wheel	2 inches*4	2 inches*4	2 inches*4	2 inches*4	2 inches*4
Sensor and sound and light configuration					
microphone array	Four-microphone linear array	Four-microphone linear array	Six-microphone ring array	Four-microphone linear array	Six-microphone ring array
Sound source localization	180 degree	180 degree	360 degrees	180 degree	360 degrees
Narrow beam precise sound pickup	support	support	/	support	/
Multimodal voice interaction	Optional	Optional	Optional	Optional	Optional
Pixel camera	800w	800w	800w	800w	800w
ultrasonic sensor	none	1	1	1	1
Odometer	have	have	have	have	have
lidar	40 meters TOF	25 meters TOF	40 meters TOF	40 meters TOF	40 meters TOF
Gyro	6 axis	6 axis	6 axis	6 axis	6 axis
Full range sound	have	have	have	have	have
Arm LED ambient light	have	have	none	none	none
Ear LED ambient light	none	none	have	have	none
Wireless communication					
WIFI(2.4GHz)	support	support	support	support	support
WIFI(5GHz)	support	support	support	support	support

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Product Image					

*Model naming rules: The first letter in part 1 represents the product series, Y-AI service robot, S-terminal distribution robot, and the following letters (1 or 2) are the initials of the product's English name or the first letter of its pinyin; The number in the second part represents the generation of the product; the number in the third part represents the screen size, and the suffix letters represent the different versions of the model. For example: YT-1-13B, Y-AI service, T-Timo, 1-1st generation, 13. -Screen size 13 inches, B-Business Edition.

*Due to different customer usage environments, the above parameters are only used as a reference for selection and not as a basis for product acceptance.

*The company reserves the right to change this form at any time in order to provide customers with more suitable products.

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