



Sanbot Elf

MPS (/product/sanbot-elf/mps)



Specification (/product/sanbot-elf/specification)

Healthcare (/product/sanbot-elf/healthcare)

Education (/product/sanbot-elf/education)

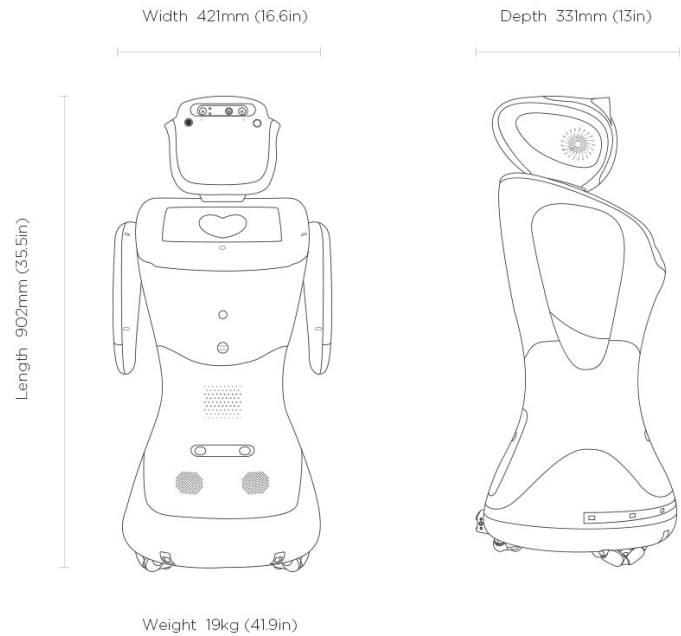
Performance (/product/sanbot-elf/performance)

Design (/product/sanbot-elf/design)



White Gold

Size and Weight



[MPS \(/product/sanbot-elf/mps\)](/product/sanbot-elf/mps)

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[Performance \(/product/sanbot-elf/performance\)](/product/sanbot-elf/performance)

Size and Weight	length	<a href="/product/sanbot-elf/design">Design (/product/sanbot-elf/design)</a> 902mm (35.5in)
	Width	421mm (16.6in)
	Depth	331mm (13in)
	Weight	19kg (41.9in)

Battery	Type	Lithium battery
	Capacity	20Ah\300W
	Life	Runtime is about 10 hours; standby is over 24 hours

Sensor	Head	Mic x 7, RGB Camera x 2, 3D sensor
	Body	x 1, Touch sensor x 7 Gyroscope sensor x 1, Human body induction sensor x 2, IR evading
	Hand	obstacle sensor x 1, IR message
	Leg	

Sanbot Elf	receiving sensor x 6, Touch sensor x 4, electronic compass sensor x 1	
	IR evading obstacle sensor x 4, (mps)	
	Touch sensor x 2	
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Moving parts	IR evading obstacle sensor x 10,	
	Omni Wheel x 3	
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	Education (/product/sanbot-elf/education)	
Video	Head	2 x DOF, 180 degree at horizontal
	Hand	Performance (/product/sanbot-elf/performance)
	Base	direction, 30 degree at
		vertical direction
Display	Design (/product/sanbot-elf/design)	
	1x2(L/R) DOF, 270 degree swing	
	back and forth	
	3x DOF wheel sets	
Projection	8.0MP HD camera	
	1.0MP HD color camera with 140 degree aspheric surface angle	
	10.1 inch 1080P HD capacitance 10-point touch display	
Platform	Laser	1920 x 720
	HD wide gamut output	60Hz
	Aspect-ratio	16:9
Platform	ROS1.1	

Sound	Voice control, 360 degree sound localization	
Sanbot Elf	2x tweeters, 1x subwoofer	MPS (/product/sanbot-elf/mps)

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WIFI network	IEEE 802.11 a\b\g\n(2.4GHz\5GHz)	Healthcare (/product/sanbot-elf/healthcare)
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Wireless network	Bluetooth4.0, ZigBee	Performance (/product/sanbot-elf/performance)
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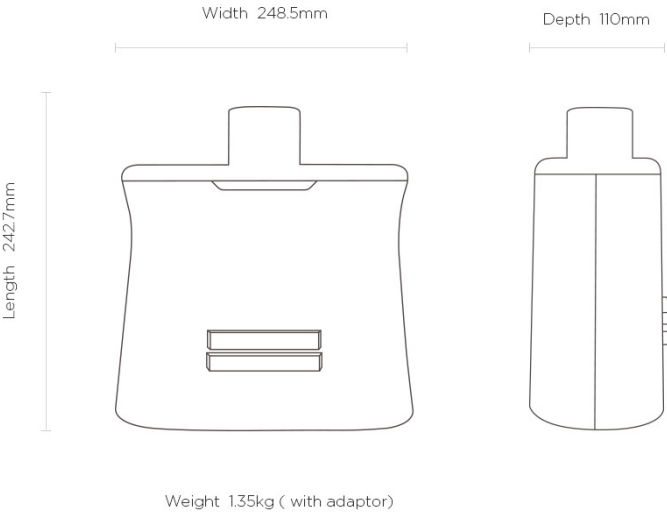
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Atmosphere lamp	250 kinds customized colors	
	2 cycles for ears , 2 pcs for hands, and 1 cycle for chassis	

Moving speed	0.8m/s max
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Grade	1.5cm max
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Size and Weight



Size250 x 118 x 248 mm (Weight 1.35 kg (2.9 lbs))

Sanbot ElfMPS (/product/sanbot-elf/mps)

Weight1.35kg ( with adaptor)  
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InputAC 100-240V 50/60Hz  
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OutputDC 19V/4.75A  
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LED IndicatorRed=battery lower than 30%, Yellow=battery is about 70%,  
Green=battery is higher than 80%

Temperature0°C - +35°C(+32°F - +95°F)

Humidity10%~90%

Auto recharge distance0-5 m (0-16.4 ft), 180° signal covering

InstallationWall-mounted

# Sanbot Elf • MPS

## Sanbot Elf

MPS (/product/sanbot-elf/mps)

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## Products

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