Manuals+ — User Manuals Simplified.

SEI Robotics
Scene Virtual
Digital Human

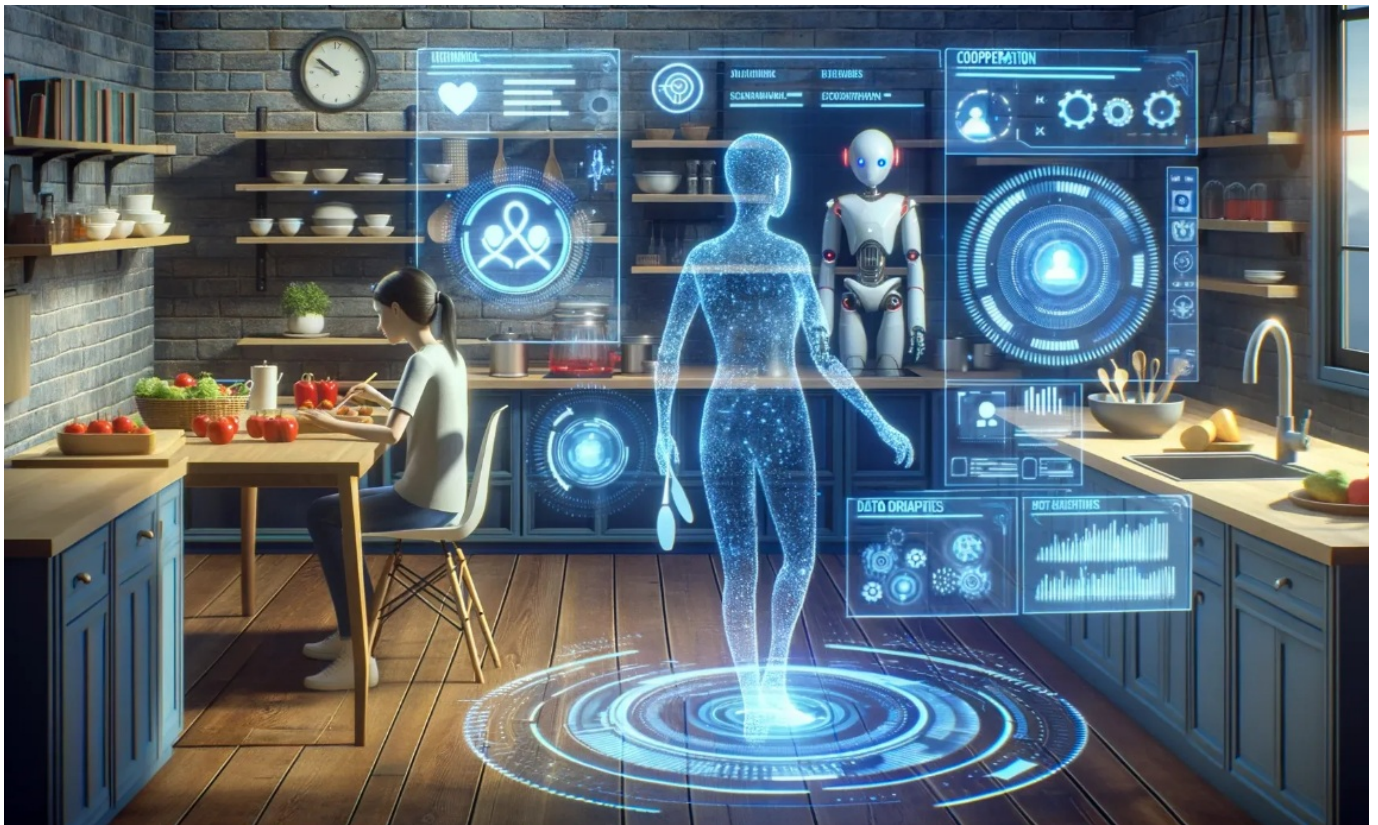# SEI Robotics Scene Virtual Digital Human Owner's Manual

Contents

SEI Robotics Scene Virtual Digital Human

Product Usage Instructions

- **Use Scene – Virtual Digital Human**
- **Overview:** Virtual Digital Human provides voice interaction, personalized service, and entertainment companionship.
- **Voice Interaction:** Enables users to search, play, pause, and adjust volume conveniently.
- **Intelligent Recommendation:** Analyzes user data to recommend personalized movies and TV programs.
- **Short Video Introduction:** Automatically generates short video intros for recommended content.

Use Scene – Elderly Living Alone

- **Overview:** Provides companionship, care, and safety for the elderly living alone.
- **Voice Assistant & Video Calls:** Offers chat support and facilitates video calls with family.
- **AI Health Monitoring & Smart Home Control:** Monitors health and controls home appliances for safety and convenience.

Use Scene – Break Boundaries Of Games

- **Somatosensory Game Experience:** Offers realistic virtual reality gaming experience with virtual robots.
- **Camera-Based Games & Video Calls:** Tracks player movement for immersive gaming and video calling experience.
- **Families & Social Interaction:** Supports family meetings and AR effects in games and sports.

FAQ

- **Q:** Can the device be connected to smart home devices for automation?

- **A**: Yes, the device supports smart home control for the automation of home appliances.
- **Q**: How does the virtual digital human personalize entertainment recommendations?
- **A**: The virtual digital human analyzes user data like viewing history and hobbies to recommend personalized content.

Virtual Digital Human

It can provide users with voice interaction, personalized service, and entertainment companionship.

-

![icon] **Voice Interaction**

It can help users to quickly search, play, pause and adjust the volume, making the user experience more convenient and comfortable.

- ![icon] **Intelligent Recommendation**

By analyzing information such as user viewing history, hobbies, and social networks, it recommends personalized movies and TV programs for users. This can improve user viewing quality and satisfaction.

- ![icon] **Intelligently generate short video introduction**

During the recommendation process, a short video introduction of the recommended content is automatically generated to help users quickly decide what to watch

- ![icon] **Entertainment Company**

Virtual digital humans can have their own personality and behavior habits, interact and dialogue with users, and provide users with entertainment and companionship

Use Scene-Elderly living alone

Elderly Living Alone need
Companionship & Care

According to the United Nations <Wold Population Prospects: 2019 Revision>, by 2050, the number of elderly people in the world will increase to 2.2 billion, accounting for 1/3 of the global population.

- Voice assistant to chat with you to relieve boredom

- Video calls can let you often see your family

- AI detection monitors the health of the elderly at any time, and automatically notifies family members and emergency centers if abnormalities are found.

- A smart home is safe and convenient, allowing you to control your home appliances as you like

Use Scene-Break Boundaries Of Games

Somatosensory game

There is a camera on the box, somatosensory games can be played through the camera.

More realistic virtual reality gaming experience

The box's cameras accurately track the player's movement and position and reflect that into the virtual reality world. This technique can provide a more realistic and immersive experience.

Playing games with virtual robots

In a two-player game, when the user has only one person, the virtual robot can act as another role and play the

game with the user.

Video calls on the big screen
Everyone in the frame, who speaks is in focus.

Family Meeting

- Through body capture control, games and sports can have AR effects.

- Millimeter Wave Radar

- 110°Wide viewing angle and smart focus

- For gesture control

- For video calls

Specifications
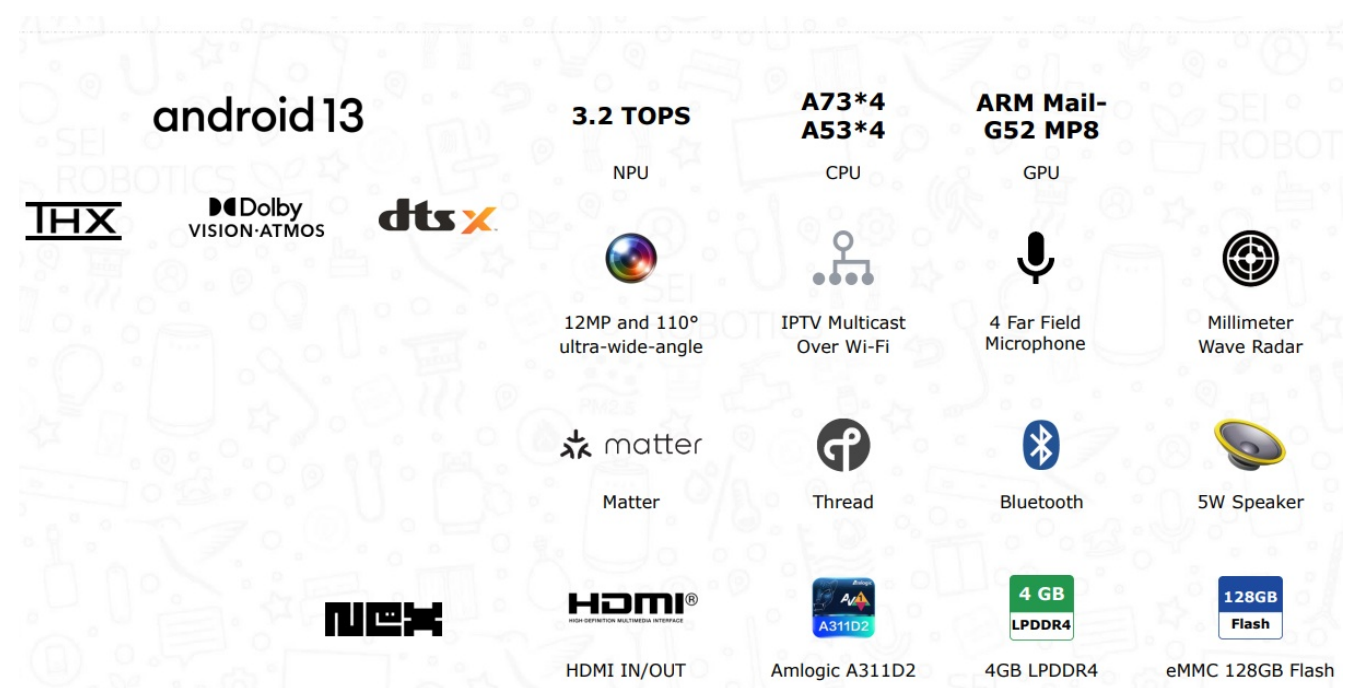
Hardware Platform	
CPU Chipset	Amlogic A311D2 A73*4+A53*4 (Quad core ARM Cortex-A73 + Quad core Cortex-A53)
DMIPS	55k DMIPS
GPU	ARM Mali-G52 MP8 (8EE)
NPU	3.2 TOPS
RAM	4GB LPDDR4
Flash	eMMC 128GB
Network	
Wi-Fi	802.11 b/g/n/ac 2.4G/5G
Bluetooth	Bluetooth 5.0
Ports	
HDMI	HDMI 2.1 HDMI OUT*1 HDMI IN*3

Product Features	
Camera	12MP;110degree wideangle camera
Microphone	4 Far-field Microphone
OS	Android 13
Audio	
Audio Decoding	Supports MP3, AAC, WMA, RM, FLAC, Ogg and programmable with 7.1/5.1 down-mixing
Audio Mode	Mono/Stereo/Left/Right
Dolby Digital Plus	Support optional
DTS	Support optional

Video	
Video Decoding	AV1 **MP-10@5.1** up to 8Kx4K@24fps or 4Kx2K@60fps H.265 HEVC **MP-10@L5.1** up to 8Kx4K@24fps or 4Kx2K@60fps VP9 Profile 2-10 up to 8Kx4K@24fps or 4Kx2K@60fps AVS2 MP up to 4Kx2K @60fps
Video File Format	Supports *.mkv,*.wmv,*.mpg, *.mpeg, *.dat, *.avi, *.mov, *.iso, *.mp4, *.rm and *.jpg file formats
Video Resolution	4K@60fps 1080p/i 720p 4Kx2K
Dolby Vision	Support optional
Video Output	HDMI 2.1, HDCP 2.2

RCU	
IR Support	Yes
Protocol	BLE
Battery Type	2*AAA 1.5V
Power Supply	
DC Input	12V / 2.0A
Input Voltage	AC 100V – 240V
Power Consumption	Maximum 24W
Power Line Length	1.5 Meter
Lightning Level	4KV

Mechanical	
Dimension (W*D*H mm)	218*94*53 mm
Weight	< 1kg
Cover Color	Black White Grey
Accessories	
Power Adapter	1 * 12.0V/3A Adapter With 1.5M cable
Remote Control	1 * Customize Remote Control
User Manual	1 * Customize User Manual

Packing

- **Type** Paper card packaging
- **Outline Size** Customization
- **Gift Box** Customization

Millimeter Wave Radar Specifications

General Requirements				
	Min	Type	Max	
Frequency Range	57.1		63.9	GHz
TX out power		≤ 3dBm		
Distance	0.5	adjustable	5	M
Distance accuracy		±15cm		
Distance resolution		25cm		
Horizontal angle	-50°		+50°	
Angular Accuracy		±10°		5m

Size error	
DIM(mm)	Tolerance (mm)
0-5	±0.15
5-10	±0.20
10-50	±0.30

FCC STATEMENT

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. this device may not cause harmful interference, and
2. this device must accept any interference received, including interference that may cause undesired operation. Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device and its antenna(s) must not be co-located or operated in conjunction with any other antenna or transmitter.

Radiation Exposure Statement

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with a minimum distance of 20cm from your body.

Thanks !

Shenzhen SEI Robotics Co., Ltd.

CONTACT

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Documents / Resources

	SEI Robotics Scene Virtual Digital Human [pdf] Owner's Manual CFWT01, 2AOVU-CFWT01, 2AOVUCFWT01, Scene Virtual Digital Human, Scene Virtual Human, Digital Human, Virtual Human, Human

References

- **SEI Robotics - Google-Certified Android TV Set-top Box, Dongle, Smart Speaker OEM/ODM**
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- **User Manual**