

## Video Conferencing Endpoint (Base on Android)

### All-in-One 4K Intelligent Video Conferencing Endpoint UAI4T631 / UAI4T631 Pro



Designed for enterprise collaboration, integrated with camera and endpoint, high quality image performance and audio transmission. Best choice for enterprise/government collaboration, online health-care, online teaching/learning and conferencing.



## Features

### High Performance Open Platform

T631:  
4-core A73+2-core A53, 5T INT8 NPU, Android 9.0 system, providing comprehensive development documentation and SDK for deep customization of video applications.

T631 Pro:  
4-core A76+4-core A55, 6TOPs AI NPU, Android 12 system, providing comprehensive development documentation and SDK for deep customization of video applications.

### Dual Channel Video

T631:  
Dual 1080P simultaneous input (1 × Built in MIPI, 1 × HDMI; Dual 1080P simultaneous output (2 × HDMI), supports dual screen display.

T631 Pro:  
Dual 4K simultaneous input (1 × Built in MIPI, 1 × HDMI; Dual 4K simultaneous output (2 × HDMI), supports dual screen display.

### Super Decoding

T631:  
1 × 4K@60fps or 2 × 1080P@30fps or 4 × 720P@30fps or 9 × 360P.  
T631 Pro:  
Max.8K60fps.

### Lens

T631:  
72.5° ultra-wide-angle integrated camera with 12x optical zoom.  
T631 Pro:  
80.8° ultra-wide-angle integrated camera with 12x optical zoom.

### Superstrong NPU

T631:  
5 TOPs INT8.  
T631 Pro:  
6TOPs AI NPU.

### Dual Screen Display

Supports dual HDMI output and can display the main and auxiliary currents in full screen.

### Built in Audio Processing

Equipped with excellent audio processing such as automatic gain control, automatic echo cancellation, and automatic noise suppression, it can support AI intelligent noise reduction; Supports flexible mixing and routing of multiple audio inputs and outputs.

## Product Specification

Difference	T631	T631 Pro
Operating System	Android 9.0	Android 12
CPU	4 × Cortex-A73@2.2GHz + 2 × Cortex-A53@1.8GHz	4 × Cortex-A76 + 4 × Cortex-A55
RAM	4GB	
ROM	8GB EMMC (optional 32GB)	16GB EMMC (optional 32GB)
Built-in 1080P HD Camera	•1080p •Sensor: 2.07 million effective pixel, 1/2.8" CMOS; •Max. Horizontal View Angle: 72.5°;	•4K30fps •Sensor: 8.51 million effective pixel, 1/2.5" CMOS; •Max. Horizontal View Angle: 80.8°
Video Input Interface	1 × Integrated camera 1 × HDMI, supports HDMI 1.4, Max. 1080P30fps	1 × Integrated camera 1 × HDMI, supports HDMI 2.0, Max. 4K60fps
Video Output Interface	1 × HDMI, supports HDMI 2.1, CEC, Max. 1080P60fps; 1 × HDMI, supports HDMI 1.4, Max. 1080P60fps Video Coding: H.264/H.265	2 × HDMI, HDMI 2.1, CEC, Max. 4K60fps
Video Codec	1 × 1080P@60fps 或 2 × 1080P@30fps; Video decoding: VP9 Profile-2 up to 4K×2K@60fps H.265 HEVC MP-10@L5.1 up to 4K×2K@60fps AVS2-P2 Profile up to 4K×2K@60fps H.264 AVC HP@L5.1 up to 4K×2K@30fps H.264 MVC up to 1080P@60fps	Hardware encoding and decoding H.265 H.264 H.265/H.264/AV1/VP9/AVS2 Video decoding. Max.8K60fps H.264/H.265 Video Coding, Max.8K30fps
Audio Interface	1 × USB 2.0	1 × USB 3.0
Control Interface	Camera control interface: 1 × RS232	Control interface: 1 × RJ45 Touch
USB Interface	2 × USB 3.0; 1 × USB 2.0	3 × USB 3.0
Bluetooth (Optional)	BT 5.0	BT 5.2

### Video Features

Built-in Camera	•Lens: 12x Optical Zoom; •PTZ: Horizontal +/-170°; Vertical -30° ~ +30°; •Support auto white balance, auto exposure, auto focus; •Support remote camera control; •Mirror/Flip supported.
Other Image Features	Dual screen different display

### Audio Features

Input	1 × Built-in array microphone; 1 × Microphone (mini cannon interface), support phantom power supply; 1 × 3.5mm linear input; 1 × HDMI IN; 1 × Bluetooth audio input (optional)
Output	1 × 3.5mm linear output; 1 × HDMI OUT; 1 × Bluetooth audio output (optional)
Features	Automatic gain control (AGC); Automatic echo cancellation (AEC); Automatic noise suppression (ANS)

### I/O

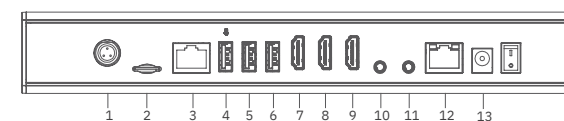
Power Interface	1 × DC 12V Power Interface
Indicator	1 × Two color indicator
IR Interface	1 × IR interface
TF Card Interface	1 × TF card interface, support 128G (max.)
Network Interface	1 × RJ45: 10/100/1000 Base-T
Interface	1 × WiFi, 802.11a/b/g/n/ac (optional)

### Connectivity

### General Specification

Dimension	258mm (W) × 146mm (D) × 170mm (H)
Power Supply	•Input Voltage: DC 12V •Power Consumption: 36W
Environmental Requirement	•Temperature: 0°C ~ 40°C (operating state), -40°C ~ 70°C (non-operating state) •Humidity: 10% ~ 80% (operating), 0% ~ 95% (non-operating)
Certification and Standard	CCC, CTA

## Interface Diagram



- 1 — Mini xlr
- 2 — TF
- 3 — T631: RS232  
T631 Pro: DMIC/VTOUCH
- 4 — USB
- 5 — USB
- 6 — USB
- 7 — HDMI OUT 2.1
- 8 — HDMI OUT 2.1
- 9 — HDMI IN
- 10 — LINE IN
- 11 — LINE OUT
- 12 — NET
- 13 — DC 12V