

Video Conferencing Endpoint (Base on Android)

All-in-One 4K Intelligent Video Conferencing Endpoint

T631 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
Powered by Android 12 with Quad-core Cortex-A76 and quad-core Cortex-A55 CPU and 6TOPs AI NPU, the camera supports deep customization development for video applications and provides comprehensive development documentation and SDK.

Ultra-wide-angle Lens
Equipped with a 4K UHD camera and an 80.8° ultra-wide-angle lens, the camera also supports 12x optical zoom and is complemented by a large-range PTZ, covering the entire conference space.

Powerful Video Decoding
The camera supports H.265/H.264/AV1/VP9/AVS2 video decoding, with a maximum resolution of 8K60fps.

Dual-screen Display
The camera supports simultaneous input of dual 4K video streams (1x built-in MIPI, 1x HDMI), simultaneous output of dual 4K video streams (2x HDMI) and dual-screen display.

Built-in Audio Processing Algorithms
Built-in audio 3A processing algorithms include automatic gain control, automatic echo cancellation, automatic noise suppression, etc. The camera supports multiple audio inputs and outputs, effectively suppressing environmental noise and interference.

Fanless Design
The camera adopts a metal shell, material with excellent heat dissipation performance, the fanless design ensures stable operation with low noise and long-term operation at high frequencies.

Product Specification

Standard

Operating System	Android 12
CPU	4 × Cortex-A76 + 4 × Cortex-A55
RAM	4GB
ROM	16GB EMMC (optional, 32GB)
Built-in 1080P HD Camera	<ul style="list-style-type: none"> • 4K30fps • Sensor: 6.51 million effective pixel, 1/2.5" CMOS; • Max. Horizontal View Angle: 80.8°
Video Input Interface	1 × Integrated camera
Video Output Interface	1 × HDMI, supports HDMI 2.0, Max. 4K60fps
Video Codec	2 × HDMI, HDMI 2.1, CEC, Max. 4K60fps
Hardware encoding and decoding	H.265/H.264/AV1/VP9/AVS2 Video decoding, Max. 8K60fps
Video Codec	H.264/H.265 Video Coding, Max. 8K30fps
Audio Interface	1 × USB 3.0
Control Interface	Control interface: 1 × RJ45 Touch
USB Interface	3 × USB 3.0
Bluetooth (Optional)	BT 5.2

Video Features

Built-in Camera	<ul style="list-style-type: none"> • Lens: 12x Optical Zoom; • PTZ: Horizontal +7/0°, Vertical -50° ~ +50°; • Support auto white balance, auto exposure, auto focus; • Support remote camera control; • Mirror/Flip supported.
Active Image Resolution	Minimum 1Mbps for 4K at 30fps; dual 4K at 30fps on main and auxiliary streams with minimum 2Mbps. Minimum 512Kbps for 1080p at 60fps; 4K at 60fps supported on minimum 2Mbps
Other Image Features	Dual screen different display

Audio Features

Input	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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
IP Interface	1 × IP interface
TF Card Interface	1 × TF card interface, support 128G (max.)
Network Interface	1 × RJ45: 10/100/1000 Base-T
Connectivity	1 × WIFI, 802.11a/b/g/n/ac (optional)

General Specification

Dimension	258mm (W) × 146mm (D) × 170mm (H)
Power Supply	<ul style="list-style-type: none"> • Input Voltage: DC 12V • Power Consumption: 36W
Environmental Requirement	<ul style="list-style-type: none"> • 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

