

D7721

4K All-in-One Video Conference Terminal



Description

The 4K All-in-One Video Conference Terminal is an integrated USB audio and video solution for small and medium-sized enterprise meeting rooms, combining a 4K ultra-HD camera, digital microphone, and full-range speaker in one compact device. Supporting 2.4 GHz wireless connectivity, it reduces cabling requirements and enables flexible installation. Equipped with a high-quality 4K CMOS sensor, it allows remote participants to clearly view both panoramic room scenes and close-up views of participants. Powered by multiple AI video processing algorithms, it provides an efficient and intelligent remote communication and collaboration experience without manual operation.

Features

- Integrates a 4K ultra-HD camera, digital microphone, and full-range speaker into one compact USB audio and video conference terminal.
- Features an 8.42-megapixel 4K CMOS sensor with 4K@30fps video output for clear and detailed meeting images.
- Provides a 119° wide field of view with panoramic room coverage and participant close-up views for enhanced remote collaboration.
- Supports AI-powered single-person tracking, multi-person tracking, presenter tracking, and presenter close-up functions for intelligent framing.
- Adopts advanced AI video processing algorithms to deliver automatic and efficient meeting experiences without manual adjustment.
- Built with 8 omnidirectional microphones and a 6-meter pickup range to capture clear voice from different positions in the meeting room.
- Integrates AEC, automatic noise reduction, and automatic gain control technologies for high-quality audio communication.

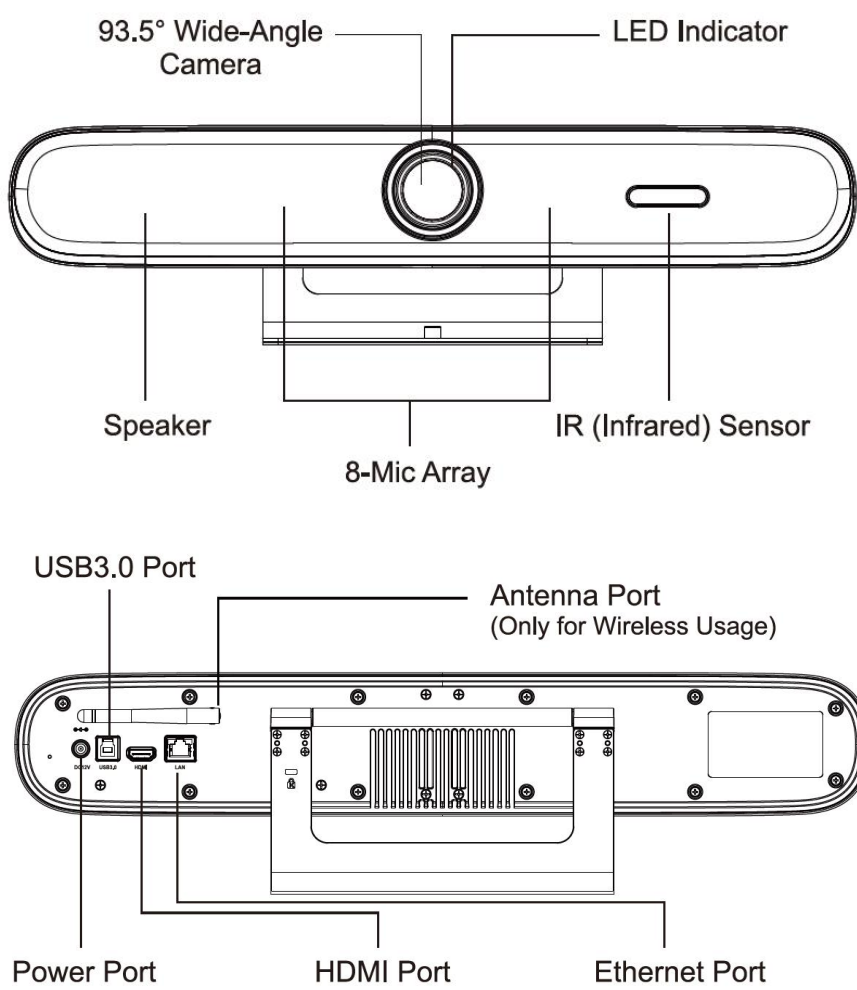
- Supports 2.4 GHz wireless connectivity with WiFi Dongle option, reducing cable deployment and simplifying installation.
- Supports USB 3.0 connectivity with backward compatibility to USB 2.0 for flexible connection with various conferencing platforms.
- Supports H.265, H.264, and MJPEG video encoding formats for efficient and high-quality video transmission.
- Provides RTSP and RTMP protocol support for flexible video streaming and system integration.
- Supports HDMI output and Gigabit Ethernet connectivity for versatile deployment in different meeting environments.
- Features 5× digital zoom and ePTZ control for flexible camera positioning and viewing adjustment.
- Supports up to 3 preset positions for quick switching between different camera views.
- Offers flexible installation with a built-in desktop bracket and optional wall or TV mounting solutions.

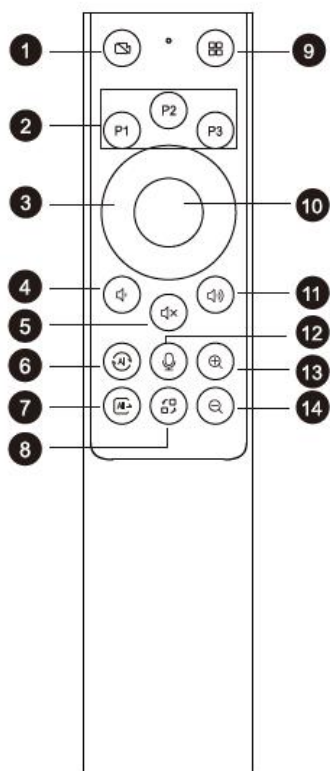
Specifications

Model	D7721
Application Scenario	Small and Medium-sized Meeting Rooms (4–8 participants)
Effective Pixels	8.42 Megapixels
Digital Zoom	5×
FOV	D: 119°, H: 110°, V: 72°
Maximum Video Resolution	4K@30fps
Focus	Fixed Focus
AI Modes	Single-person Tracking, Multi-person Tracking, Presenter Tracking, Presenter Close-up
Backlight Compensation	Supported
SNR	>55 dB
Digital Noise Reduction	2D & 3D Noise Reduction
Video Resolution	MJPEG: 3840×2160@30/25fps, 1920×1080@30/25fps, 1280×720@30/25fps H.264: 3840×2160@30/25fps, 1920×1080@30/25fps, 1280×720@30/25fps YUY2: 1920×1080@30/25fps, 1280×720@30/25fps, 640×360@30/25fps
Video Encoding Format	H.265 / H.264 / MJPEG
Network Protocol	RTSP, RTMP
Mechanical PTZ	Pan: ±10°, Tilt: ±10°
Electronic PTZ	5× Digital Zoom
Preset Positions	Supports up to 3 Preset Positions
Built-in Microphones	8 × Omnidirectional Microphones
Built-in Speaker	1 × Full-range Speaker, Sensitivity: 83 dB ± 2 dB
Pickup Range	6m
Audio Sampling Rate	Output: 16 kHz / 44.1 kHz / 48 kHz Input: 16 kHz
Audio Codec	AAC
Audio Processing	AEC (Acoustic Echo Cancellation), Automatic Noise Reduction, Automatic Gain Control
Connection Type	USB 3.0, backward compatible with USB 2.0

Color Space	YUY2
Communication Protocol	UVC 1.0, UAC, UVC PTZ Control (supports ePTZ)
HD Interface	1 × HDMI
USB Interface	1 × USB 3.0 Type-B, Backward Compatible with USB 2.0
Network Interface	1 × RJ45, 10/100/1000 Mbps Adaptive Ethernet
WiFi (Optional)	2.4 GHz WiFi, Supports WiFi Dongle
Antenna Interface (Optional)	1 × ANT
Power Interface	1×DC12V
IR Remote Control	1 × IR Remote Control
Operating Voltage & Current	DC12V 2A
Maximum Power Consumption	18W
Operating Temperature	0°C to 50°C
Storage Temperature	0°C to 60°C
Operating Humidity	20%–85% RH
USB Compatibility	Windows 10 or above, macOS 10.10 or above
Dimensions (W×H×D)	522.7 mm × 107.5 mm × 135.3 mm
Weight	2.4kg
Installation	Includes Desktop & Wall-mount Brackets, TV Bracket Optional

Front / Rear Panel





1	Camera On/Off
2	Preset Button, Long press to save a preset, Short press to recall a preset
3	Direction Keys
4	Volume Down
5	Mute
6	Press to switch between different AI modes
7	Exit AI Mode
8	FOV (Field of View) Switch
9	Menu Button
10	Confirm Button
11	Volume Up
12	Mic On/Off
13	Zoom In
14	Zoom Out