

Integrated Audiovisual Intelligent Endpoint UT33



UT33 is an integrated open platform adopts Android operating system, and supports multiple video conferencing software and client applications. The terminal platform adopts integrated design, high definition optical lens and sensor, designed with multiple audio/video input / output interfaces, integrating audio and video interaction, desktop sharing, multimedia sharing and recording functions to meet various high end conference systems needs.

Features

- **Integrated platform design**
Support 1 channel audio input, 1 channel audio output; 1x HDMI output, LAN port, 2x USB2.0 port; Built in 2 channels audio pick up, which achieved the fully integration of camera and video conference terminal.
- **Smart Design**
Adopts integrated and compact design, built in camera and multiple interfaces. Small size, multiple interfaces which makes installation and maintenance simple.
- **Open hardware platform and SDK**
Fully support user's secondary development to achieve customization needs.
- **Excellent platform compatibility** Users can develop protocol stacks such as H.323/SIP, which can achieve good interoperability with popular standard terminals and MCU, facilitating customer's expansion and upgrading.

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- Built in 2 channels of microphone.
- Local storage: Support TF card slot and plug the TF card.
- 1080P Full HD: Adopts 1/2.8 inch 2.07 megapixels high quality image sensor with max. resolution is up to 1920x1080,frames up to 30fps/second.
- Wide Angle Lens: Adopts 80°wide angle lens without distortion.
- **High Signal-to-Noise Ratio(SNR)** Low noise CMOS effectively guarantees the super high SNR . Advanced 2D, 3D noise reduction technology further reduces noise while ensuring image clarity.
- **Multiple video compression standards** Support H.265/H.264 video compression.
- **Low power sleep function** Support low power sleep/wake-up modes.



Operation Steps:

- Connect Power

Connect 12V power supply

Open the power switch to run the terminal after all connection is confirmed OK.

- Connect audio input device.

Connect 3.5mm linear audio input device.

- Connect audio output device.

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- Connect the audio output device.
No need to connect if the HDMI TV can output sound.
- Connect USB device.
2 USB ports to connect keyboard, mouse or U-DISK.
- Connect video output device.
Use HDMI cable to connect video output device.
- Connect the network.
Use standard network cable to connect the LAN port.
- TF card slot.
Can plug external TF card for storage.

Technical Parameters

Platform Basic Parameters	
CPU model no.	4 core 64bit high performance ARM CortexA53 , support up to 2.0GHz
GPU model no.	Multi-core GPU Mali450 , integrated Hislicon dual core GPU , OpenGL ES 2.0/1.1 , OpenVG 1.1
RAM capacity	2G
ROM capacity	8G
Video encoding and decoding performance	1 channel encoding , 8 channel decoding (1080P)
Video Decoding	H.265/HEVC Main/Main10 profile@Level5.1 High-tier ; support up to 4Kx2K@60fps,10bit decoding H.264/AVC BP/MP/HP@ level 5.1 ; H264/AVC MVC , support up to 4Kx2K@30fps decoding support Real 8/9/10 support up to 1080p@60fps decoding support DivX3/4/5/6 support up to 1080p@60fps decoding MPEG-1 support up to 1080p@60fps decoding MPEG-2 SP@ML,MP@HL , support up to 1080p@60fps decoding MPEG-4 SP@L0-3,ASP@L0-5 , support GMC , support short header format , support up to 1080p@60fps decoding AVS standard grade@level 6.0, AVS-P16 (AVS+) , support up to 1080p@60fps decoding VC-1 SP@ML,MP@HL,AP@L0-3 , support up to 1080p@60fps decoding
Video and image encoding	H.265 MP@level 5 Main Tier and H.264 BP/MP/HP@level 4.2 video encoding , support up to 1 channel 1080p@30fps Video encoding provide VBR and CBR mode.
Storage card	Support
LAN	Support
IR remoter	Support
Video Input	

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Camera	Built in
Audio Interface	
Microphone Interface	3.5mm linear input
Audio interface	3.5mm linear output

Camera/lens Parameters	
Sensor	1/2.8 inch high quality CMOS sensor
Effective pixel	2.07 mega pixels, 16: 9
Video Format	Video output 1080P30/25/29.97 1080I60/50/59.94 720P30/25 /29.97
Video compression	H.265、 H.264
Optical zoom	Fixed lens
View Angle	80°
IRIS	F2.1
Illumination	0.5Lux(F1.8, AGC ON)
Digital noise reduction	2D & 3D DNR
White Balance	Auto/Manual /OnePush/3000K/3500K/4000K/4500K/5000K/5500K/6000K/6500K/7000K
Focus	Manual
Exposure	Auto/Manual
BLC	ON/FF
SNR	>55dB
Other parameters	
Power Supply	AC110V-AC220V to DC12V/2.5A
Input Voltage	DC12V±10%
Input Stream	1A (max.)
Consumption	12W(max.)
Storage temperature	-10℃ ~ +60℃
Storage humidity	20% ~ 95%
Working temperature	-10℃ ~ +50℃
Working humidity	20% ~ 80%
Application	Indoor

Dimension

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