

Integrated Audiovisual Open Endpoint Platform UT11

UT11 is an integrated audiovisual open endpoint platform, which applies Android operating system. It has series of audio/video interface configuration, which makes many functions available, such as audio and video interaction, desktop sharing, multimedia



sharing, recording etc. It can be widely used in Video conferencing, Remote training, Tele-medicine, Collaborative office, Command&Control center and many other high-end professional applications.

Product Features:

- ❖ Integrated platform design: support audio input and output; support 1x HDMI input, 1x HDMI output; with LAN interface; with 2x USB2.0 interface; with Bluetooth and 5GWiFi interface. Camera and endpoint platform successfully integrated together.
- ❖ Compact design: UT11 adopts integrated compact design, built-in camera and multiple interfaces. With small size, rich interface and easy connection advantage, UT11 is easy to install and maintain.
- ❖ Open hardware platform and SDK: UT11 fully supports the secondary development by users to achieve custom needs.
- ❖ Unmatched platform compatibility: Support users to customize developments such as H.323 / SIP protocol stack, and achieve good interoperability with mainstream standard endpoint and MCUs in the industry ; to facilitate customers expansion and upgrading.
- ❖ Wireless WiFi: Support standard wireless protocols ; support simple and efficient equipment deployment.
- ❖ Built-in audio: Built-in high-sensitivity pickup to contribute to high-quality voice two-way intercom; voice echo cancellation; noise suppression and automatic gain control function are matched to ensure high-fidelity voice and low latency;

- ❖ Bluetooth interface: Built-in Bluetooth module, which could be paired with an external Bluetooth interface to achieve Bluetooth data transmission.
- ❖ Local storage: Support SD card storage; U disk storage; storage space is up to 32G.
- ❖ Superb high-definition image:
 - ❖ The camera employs 1/2.8 inch, 2.07 million pixels high quality CMOS sensors with resolutions of up to 1920x1080 and frame rate up to 60 fps.
 - ❖ Wide angle zoom lens without distortion:
 - ❖ The camera has the option of 12X optical zoom lenses. 12X zoom lens offers 72.5 ° wide view angle without distortion.
 - ❖ Leading auto focus technology: The leading auto focus algorithm provides fast, accurate and stable auto-focusing.
- ❖ Low noise and high SNR: Low noise CMOS sensors ensures high SNR of camera video. Advanced 2D/3D noise reduction technology is also used to further reduce the noise, while ensuring image sharpness.
- ❖ Multiple video compression: Supports H.265/H.264 video compression.
- ❖ Low-power sleep function: Supports low power sleep/wake up with consumption in sleep mode.
- ❖ Quiet and quick pan/tilt mechanism: By adopting a step driving motor mechanism, the camera works extremely quietly and moves very smoothly.

Product Introduction

Product front panel



| 1 | 2 | 3 | 4 |

1、 4 Audio Input	2 IR receiving zone	3 OLED screen
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Product back panel



Number	Interface explanation	Number	Interface explanation
1	HDMI-IN	5	HDMI-OUT
2	Audio Input Port (MINI XLR)	6	Two way RJ45 LAN interface
3	Audio Output Port (3.5MM)	7	Power adapter input port
4	USB2.0 port*2		

Technical Specification:

Input/Output Interface	
LAN	1000ML LAN Port (10/100BASE-TX)
WIFI	Support 802.11b/g/a protocol
HDMI Input/output	1 x HDMI Input, 1 x HDMI output, HDMI 1.4
USB	2 x USB2.0 output. Support Outsourcing Video and Storage Device.
Audio Input/output	3.5mm linear output, Mini XLR Input.
Built-in Mic	Built-in high sensitive digital Pickup.
Bluetooth	Bluetooth 4.1
IR Control	Camera Control, Meeting control by IR Controller
Power	HEC3800, DC12V
LED Display	Display necessary information like system status in the front panel.
SD CARD	Local Recording, up to 32G.

Android Platform Parameters	
CPU	Quad core ARM Cortex A7, Main frequency 1.5GHz
3D GPU	Quad core Mali450

	OpenGL ES 2.0/1.1/1.0 OpenVG 1.1, EGL
Memory	DDR3/3L interface; capacity 2GB; Dram 32bit; Maximum frequency is up to 800MHz/DDR1600
EMMC	Support SLC/MLC device; Support 8bit data width; Capacity 8GB
Video coding and decoding	H.265 Main Profile@L5.0 High-tie H.264 BP/MP/HP@ level 5.0; Support 4 ways HD streaming decoding simultaneously.
Audio coding and decoding	MPEG L1/L2 ; DRA decoding ; AAC-LC ; HE AAC V1/V2 decoding ; APE/FLAC/Ogg/AMR-NB/WB decoding ; G.711(u/a) audio decoding ; downmix process, resample, high dynamic volume control ; Support High Quality Kara OK function , Support echo cancellation and G.711(u/a) /AMR-NB/AMR-WB /AAC-LC audio coding;

Camera Parameter	
Sensor	1/2.8Inch High Quality HD CMOS Sensor
Effective Pixels	2.07MP, 16:9
Video Format	1080P60/50/30/25/59.94/29.97 1080I60/50/59.94 720P60/50/30/25 /59.94/29.97
Video Compression	H.265、 H.264
Optical Zoom	12X optical Zoom, f= 3.9~46.8mm
View Angle	6.3°(Narrow Angle)~ 72.5°(Wide Angle)
Aperture	F1.8~F2.4
Minimum Illumination	0.5Lux(F1.8, AGC ON)
Digital ZOOM	X10
Digital ZOOM	2D & 3D
White Balance	Auto/Manual/OnePush/ 3000K/3500K/4000K/4500K/5000K/5500K/6000K/6500K/7000K
Focus/Aperture/ Shutter	Auto/Manual/One Push
BLC	On/Off
WDR	OFF/ Dynamic level adjustment
Video Adjustment	Brightness, Color, Saturation, Contrast, Sharpness, B/W mode, Gamma curve
SNR	>55dB
Control Protocol	VISCA, UVC

Pan Tilt Parameter	
Pan Rotation	-170°~+170°
Tilt Rotation	-30°~+30°
Pan control speed	0.1 ~180°/s

Tilt control speed	0.1~80°/s
Presets Number	255 points (10points by Controller)
Preset Speed	Pan: 180°/s, Tilt: 80°/s
Others	
Power Adapter	AC110V-AC220V to DC12V/2A
Power supply	DC12V±10%
Currency	1A(Max)
Power	12W(Max)
Storage Temperature	-10°C~+60°C
Storage Humidity	20%~95%
Working Temperature	-10°C~+50°C
Working Humidity	20%~80%
Dimension (WXHXD)	253mmX168mmX144mm
Weight (Appx.)	1.55kg
Application Environment	Indoor
Network Maintenance	Remote Upgrade, Remote Reboot, Remote Reset

Dimension

