EN300 is a professional AV over IP encoder, also known as the transmitter. It is designed for professional AV scenarios that require high-quality audio and video, meeting the 1Gbps Ethernet transmission standard.

It utilizes low-compression encoding technology to achieve lossless video transmission with ultra-low latency below one frame at 4K@60 Hz, 4:4:4 chroma sampling. It features multiple HDMI Input, HDMI Output, full featured USB Type C with Laptop power charging support, RS232 and IR for display control, multiple USB interface for USB Control or BYOD, etc, catering to a wide range of user applications.

Based on a 1Gbps Ethernet network, AV over IP systems is highly scalable to securely deploy AV signals across multiple endpoints, meeting the requirements of professional AV applications.

Key Features

4K@60Hz 4:4:4 with ultra-low latency transmission

Yealink EN300 provides users with 4K@60Hz 4:4:4 video, and achieves lossless video with a delay of less than one frame, maintaining the source resolution and quality during the usage.

Dante A/V capability

Compatible with the Dante AV-A protocol, it can interconnect with third-party audio and video devices that support the Dante protocol, so that the device has high compatibility and improves the scalability of environmental deployment.

BYOD with USB over IP

Simply connect UAC/UVC devices to any Yealink Decoder series product, and we will transmit the corresponding USB signal via USB over IP technology through standard network protocols to the encoder, enabling local meetings. This greatly enhances the convenience of device deployment.

Fast auto switching

Yealink EN300 integrate multiple audio and video input ports including HDMI Input and USB TypeC. Fast negotiation between input devices and encoders, making it convenient for users to quickly switch between audio and video input sources.

In addition, users can use multiple encoders and decoders to build a network-based audio and video matrix. By real-time monitoring of the access status of audio and video sources on the encoder side, the system will automatically and dynamically adjust the routing configuration between encoder and decoder to achieve the output of the latest connected audio and video devices.

Gigabit ethernet

Yealink AVoIP series products are suitable for Gigabit networks. Users only need to connect the devices to the corresponding Gigabit network environment to achieve intercommunication between devices, which greatly improves the scalability of the system and also meets the long-distance transmission of information.

HDCP 2.3

Yealink AVoIP Series fully complies with the HDCP 2.3 standard, enabling the transmission of encrypted UHD content.

High-performance USB Type-C cable

The USB Type-C cable of EN300 supports 4K content sharing and wired BYOD. Also supports up to 45w PD for laptop charging. One cable meets all the needs of users in the rooms.

Easy Deployment with Plug and Play

Using network cables to directly connect the encoder and decoder network ports, and the devices will automatically perform identification and pairing operations, plug and play, to achieve audio and video transmission between devices.

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Encoding	• Up to 4K@60Hz resolution, 4:4:4 sampling rate, 8-bit color depth video • Multi-channel audio • Ultra-low latency of less than one frame • HDCP 2.3 Copy Protection • HDR
Video	• HDMI signal and USB-C signal input • Local HDMI output • Up to 4K@60Hz video input • Up to 4:4:4 chroma sampling • 8-bit color depth • HDCP 2.3 Copy Protection • Supports Dante video protocol(extra license for activation is needed)
Audio	• HDMI signal and USB-C signal input • Local HDMI output • LPCM(multi-channel) • Stereo analog audio output(dual-channel) • Analog audio output supports balanced and unbalanced modes • Supports AES67, Dante audio protocol(extra license for activation is needed)

Communication	• Network:
	  - Supports Multicast, DHCP, IPv4, HTTPS protocols
	  - Supports 100m transmission using Cat5e or above cables
	• USB: USB 2.0 for computer management, USB Host device access, and USB Device access
	• RS232: Bi-directional control, supports up to 115200 baud
	• IR: Unidirectional control

Installation Method	• Rack installation • Under-desk installation • Desktop placement

Power Supply	• Power consumption:
	  - Average: 7.2W (with reverse charging 50W)
	  - Peak: 7.5W (with reverse charging 48W)
	  - Standby: 4.5W
	• Power adapter: DC 19V/4.74A
	• USB output: 5V/0.5A
	• Supports standard PoE power supply (PoE+, 802.3at, class 4)

Hardware Interface	• 1* Full-featured USB Type-C (supports reverse power supply to computer, 45W) • 1* HDMI out (supports CEC function) • 2* HDMI input • 2* USB 3.0 Type B • 1* USB 3.0 Type A (supports 5V/0.5A power supply) • 1* Audio Out • 1* RS232 (each pin for TX, RX, and ground) • 1* IR Out (each pin for TX and ground) • 1* MGMT port • 1* PoE port • 1* Power supply (19V/4.74)
Packaging	• EN300 • 1* HDMI cable • 1* Full-featured USB Type-C cable • 1* USB 2.0 Type (B-A) Cable • 2* 5-pin male phoenix connector • Power adapter (19V/4.74A) • Mounting ears • Rack installation connection piece • 4* Self-tapping screws + expansion bolts • 4* Screws for the brackets • 8* Screws for mounting ears • 1*Adhesive sticker • 3* Cable locker • Quick start guide
Environmental Factors	• Operating humidity: 10~95% • Operating temperature: -10~+45°C • Storage temperature: -30~70°C
Dimensions and Weight (W × D × H)	• Giftbox size:: 259 × 193 × 124 mm • Carton size: 635 × 265 × 209 mm • Dimensions: 216 × 160 × 36 mm • G.W/CTN: 12.172 kg • N.W/CTN: 11.458 kg • Weight: 1.24 kg • Quantity/carton: 5 pcs

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About Yealink

Yealink (Stock Code: 300628) is a global-leading provider of Unified Communication & Collaboration Solutions specialized in video conferencing, voice communications, and collaboration, dedicated to helping every person and organization embrace the power of "Easy Collaboration, High Productivity".

With best-in-class quality, innovative technology, and user-friendly experiences, Yealink is one of the best providers in more than 140 countries and regions, ranks No.1 in the global market share of IP Phone, and is the Top 5 leader in the video conferencing market (Frost & Sullivan, 2021).

For more information about Yealink, click here.

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Technical Support

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