

ULTRA 1040 Series

High Definition Quality with Flexibility and Reliability.

Telepresence solutions for organizations that want to bring together dispersed team members for enhanced collaboration

Ultra1040 is a new generation of integrated HD audiovisual communication terminal, providing rich interfaces, built-in high-performance digital signal processing chip. It also supports dual 1080P30 HD video and AAC-LD broadband voice encoding and decoding. With ultimate conferencing and collaboration experience offered, it is an ideal choice for video conferencing, command control, online education, tele-medicine and other professional applications.



Product Features:

Strong Compatibility

- Support H.323 / SIP dual-protocol stack, which make it achieve good interoperability with the industry standard terminals, MCU, GK, etc. It is convenient for customers' expansion and upgrading.
- The rich interface configuration make it fit for different application environment and compatible with mainstream audio/video input/output devices. It also can achieve rapid deployment, reducing the times to modify wiring.

License upgrade to 4 point MCU

Superior performance to enhance the best user experience

- Built-in high-performance digital signal processing chip, support dual 1080p60 from both mainstream and auxiliary stream encoding simultaneously (optional), providing single-display, dual display and rich video window layout to enhance the user experience.
- Audio supports AAC-LD broadband codec, and use optimal algorithm to achieve echo cancellation, noise suppression and automatic gain control, thus to ensure high-fidelity, low-latency audio transmission.
- Qos settings and unique media error correction (MEC) technology can guarantee smooth audio and video effects under high bit error rate condition (priority to ensure audio quality under network degradation condition)

User-friendly design for operation and maintenance

- Ultra1040 adopts high integrated structural design (integrated camera), to present a simple and fashionable appearance, and provide matched brackets to achieve wall mount and upside down installation
- Built-in gravity sensor, making the image flip automatically under upside down mount mode.
- Flat UI style design, to make it easier for user to operate.
- Remote controller integrated part of function buttons, making it convenient and practical to achieve common function with only one click.
- U disk, web pages and other upgrades ways will help post-maintenance and system upgrades.
- Optional high quality 360 degree omnidirectional digital microphone array; simple wiring is helpful to quick installation.

Multiple security mechanism ensures the security of content transmission.

- The system applies AES media encryption technology.
- User certificates, password protection, HTTPS security links and other encryption measures ensures safe operation of the system.
- Supports H.460, NAT, and configurable port ranges for firewall traversal

Standard and Protocols	
Standards and Protocols	ITU-T H.323, IETF SIP
Video Standards and Protocols	H.261, H.263, H.263+, H.263++, H.264, H.264 High Profile
Audio Standards and Protocols	G.711, G.722, G.722.1*, G.722.1C*, AAC-LD, G.723.1, G.726, G.728, SILK
Dual Stream	ITU-T H.239, BFCP
Other Standards	H.221, H.225, H.235, H.241, H.245, H.281, H.350, H.460, T.140, DTMF
Network Standards and Protocols	TCP/IP, DHCP, SSH, HTTP, HTTPS with SSL/TLS, RTP, RTCP, RFC3261, RFC3264, RFC2190, RFC3407, RFC2833, RFC4585(RTP/AVPF), SNMP, ARP
Video Specifications and Features	
People Video Resolution	<ul style="list-style-type: none"> • 1080p, Guaranty bandwidth: 512Kbps • 720p, Guaranty bandwidth: 384Kbps • 4SIF/4CIF, Guaranty bandwidth: 128Kbps • SIF/CIF/QSIF/QCIF/SQSIF/SQCIF, Guaranty bandwidth: 64Kbps
Content Video Resolution	<ul style="list-style-type: none"> • Input: VGA (640x480), SVGA (800x600), XGA(1024x768), WXGA(1280x768), WXXGA (1280x800), 1280x960, SXGA(1280x1024), 1360x768, 1366x768, 1440x900, XGA+(1400x1050), 1600x900, 1600x1200, 1680x1050, 720p(1280x720), 1080p(1920x1080) • Coding/Decoding Resolution: 800x600, 1024x768, 1280x1024, 1280x720, 1920x1080 • Output: 800x600, 1024x768, 1280x1024, 1280x720, 1920x1080
Dual Stream	Dual 1080p or dual 720p
Other Video Features	PIP (Picture in Picture), PoP (Picture outside Picture)
Audio Specifications and Features	
Audio features	<ul style="list-style-type: none"> • AEC (Acoustic Echo Cancellation) • AGC (Automatic Gain Control) • ANS (Acoustic Noise Suppression) • Lip synchronization
Security and Stability	
Network	FEC (Forward Error Correction), ARQ (Automatic Repeat-reQuest) etc.
Security	<ul style="list-style-type: none"> • H.235 (AES) signaling and media stream encryption • Administrator password, SSH/HTTPS
Firewall Traversal	H.460.18/19, H.460.23/24, ICE
Bandwidth	
IP	64Kbps ~ 8Mbps
Cloud Integrate	
Support Brands	• ZijingCloud
Interfaces	
Audio Input	1 x 3.5mm line-in jack, 1 x XLR mic-in jack, 1 x RJ45 digital mic-in jack
Audio Output	1 x 3.5mm line-out jack, 1 x HDMI audio output
Video Input	1 x HDMI 1 x DVI-I (HDMI, VGA/YpPr)
Video Output	2 x HDMI
USB Interface	2 x USB2.0 Host (support USB flash disk, USB microphone etc.)
Network Interface	1 x RJ45: 10/100 Base-T 1 x Wireless: 802.11a/b/g/n Wi-Fi (optional)
Application Features	
Languages	Simplified Chinese, Traditional Chinese, English, Polish etc.
Approval and Compliance	<ul style="list-style-type: none"> • 1000 local address book • LDAP/Network address book, H.350
Special Features	<ul style="list-style-type: none"> • Audio associated with presentation • Support "SameView" • Timing power on and power off • Automatic standby and wake up on incoming call • Support DNS SRV • Incoming call password • Asymmetric bandwidth • Built-in VPN • Automatic to get static NAT address • PIP: 1/16 picture size, optional position • Split output: Bi-screen and tri-screen display • Network address book • Support SDK API • Built-in MCU (optional) • Support web-based conference management • Support USB microphone • Remote Control: H.224, H.281 • Remote upgrade by network • Infrared passthrough • Wi-Fi (optional)
Physical Characteristics	
Dimensions	<ul style="list-style-type: none"> • Codec dimensions (L x W x H): 348mm x 148mm x 37mm • Package dimensions (L x W x H): 413mm x 332mm x 130mm • Net weight: 1.4Kg • Package Weight: 2.2Kg
Electrical	<ul style="list-style-type: none"> • Working voltage: AC 100V ~ 240V, DC 12V • Working frequency: 50/60Hz • Power consumption: 20W
Environmental Specification	<ul style="list-style-type: none"> • Operating temperature: 0°C to 40°C • Operating humidity: 10% to 80% • Non-Operating temperature: -40° to -70°C • Non-Operating humidity (non-condensing): 0% to 95% • Peripheral noise: < 46 dBA SPL • Lowest luminance: 5 lux • Recommended luminance: > 300 lux
Approval and Compliance	CE, RoHS, WEEE, REACH, UL, FCC, CCC