

H650

All-In-One Video Conferencing Meeting Terminal



Features

All-In-One, Plug and Play

- Integrated design, built-in PTZ camera
- Easy to install, use and maintain
- Standard with bracket, support TV mount / wall mount
- Standard packaged with TrueVoc 300D microphone

Professional audio and video processing, High-end audio-visual experience

- 5x / 12x optical zoom, Dual 1080p streaming, dual video output
- Excellent ISP algorithm, optimize the video effect especially under low illumination conditions
- AEC / ANS / AGC process, wideband audio protocol

Excellent network adaptability and security mechanism

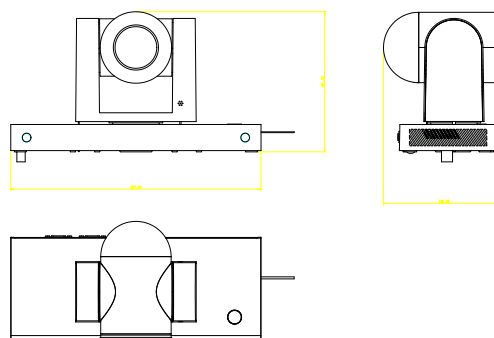
- Support intelligent anti-packet loss, automatic QoS setting, forward error correction and other network optimization mechanisms, which can fully optimize the video communication effect in the congestion network environment
- Standard H.460 for NAT and firewall traversal
- Embedded OS, high security, away from virus and hackers' attack
- Multiple encryption mechanism: H.235 conference encryption, AES encryption, user authentication and role-based authorization, conference password authentication, advanced setting authentication

Abundant functions and features

- Privacy design, -90° standby (Exclusive design)
- Automatic dual stream source detection
- Real-time recording / monitoring / preview of local and remote video and audio through web

Dimensions

Units:mm



	H650		
Sub Models	-B	-C	-LB
System Standards	H.323, SIP H.225, H.235, H239, H.245, H.281, H.460		
Video Standards	H.261, H.263, H.263+, H.264, H.264 High-Profile, MPEG-4		
Audio Standards	G.711, G.719, G.722, G.722.1 Annex C / Polycom Siren14TM, G.728, G.729, MP3, MPEG4-AAC (LC / LD)		
Network Protocols	TCP / IP, Telnet, HTTP, FTP, SNMP, DHCP, RTP / RTCP, NTP, PPPoE		
Conference Bitrate	64 Kbps to 8 Mbps		
Video Resolution	Video: 1080p (1920 x 1080), 720p (1280 x 720), 4CIF (704 x 576), CIF (352 x 288) Content: 1080p (1920 x 1080), 720p (1280 x 720), UXGA (1600 x 1200), WSXGA+ (1680 x 1050), WSXGA (1440 x 900), SXGA (1280 x 1024), WXGA (1280 x 800), XGA (1024 x 768), SVGA (800 x 600), VGA (640 x 480)	Video: 1080p (1920 x 1080, decode only), 720p (1280 x 720), 4CIF (704 x 576), CIF (352 x 288) Content: 1080p (1920 x 1080, decode only), 720p (1280 x 720), UXGA (1600 x 1200), WSXGA+ (1680 x 1050), WSXGA (1440 x 900), SXGA (1280 x 1024), WXGA (1280 x 800), XGA (1024 x 768), SVGA (800 x 600), VGA (640 x 480)	Video: 1080p (1920 x 1080), 720p (1280 x 720), 4CIF (704 x 576), CIF (352 x 288) Content: 1080p (1920 x 1080), 720p (1280 x 720), UXGA (1600 x 1200), WSXGA+ (1680 x 1050), WSXGA (1440 x 900), SXGA (1280 x 1024), WXGA (1280 x 800), XGA (1024 x 768), SVGA (800 x 600), VGA (640 x 480)
Encode Capacity	1080p @ 30 fps + 1080p @ 30 fps / UXGA @ 30 fps	720p @ 60 fps + 720p @ 60 fps / UXGA @ 30 fps	1080p @ 30 fps + 1080p @ 30 fps / UXGA @ 30 fps
Decode Capacity	1080p @ 60 fps + 1080p @ 60 fps / UXGA @ 60 fps		
Built-in Camera	Optical zoom: 12x Sensor: 1 / 2.8" CMOS, 2 MP Horizontal view Angle: 72.5° Pan range: ±160° Tilt range: -90° ~ +50°, -90° standby (Exclusive design) Adjustable camera parameter Automatic White Balance (AWB), Automatic Exposure (AE), Automatic Focus (AF)	Optical zoom: 5x Sensor: 1 / 2.8" CMOS, 2 MP Horizontal view Angle: 72.5° Pan range: ±160° Tilt range: -90° ~ +50°, -90° standby (Exclusive design) Adjustable camera parameter Automatic White Balance (AWB), Automatic Exposure (AE), Automatic Focus (AF)	
Video Features	Single screen dual / triple display Dual screen dual display Picture in Picture, Picture out Picture		
Audio Features	Sampling frequency: 8 kHz to 48 kHz Acoustic Echo Cancellation (AEC) Acoustic Noise Suppression (ANS) Automatic Gain Control (AGC) Automatic lip synchronization Mute and dumb		
Dual-stream	H.239 / BFCP Adjustable bandwidth ratio Wireless content sharing by SkyShare software		
Network Features	Embedded proxy for NAT / firewall transversal Intelligent Packet Loss Recovery (IPLR) Forward Error Correction (FEC) DiffServ, IP Precedence (Quality of service [QOS]) IP conflict detection Automatic PPPoE redial		
OSD Caption / Logo / Banner	Configurable OSD caption / logo / banner Local images and custom text can be set as OSD logo / banner OSD caption can be sent as short messages to terminals or multipoint control units OSD caption can be scrolled Configurable OSD banner background color, font sizes and fonts		
Security Features	Embedded OS H.235 conference encryption AES encryption Conference password authentication User authentication and role-based authorization Advanced setting authentication Gateway password-protected		
Management	Remote control Configuration can be performed by web GUI Event logs can be managed Self-tests and loop / image / audio tests Operational state detection Real-time video / audio bitrate display Address book importing / exporting		
Conference Functions	Point-to-point / multiple conferences Join-in meeting / chairman / speaker / chime-in request Calling by E.164 ID, alias and IP addresses		
Video Interfaces	Input: 1 x Built-in camera, 1 x VGA (dual stream) Output: 1 x VGA (dual stream), 1 x HDMI (main stream)		
Audio Interfaces	Input: 1 x RJ11 digital Mic, 1 x 3.5mm Output: 1 x HDMI (with audio), 1 x 3.5mm Dual channel stereo		
Control Interfaces	1 x RS232 IR remote control		
Network Interfaces	1 x 10 / 100M Ethernet		
Other Interfaces	2 x USB (Hardware ready)		
Environmental	Operating temperature: 0°C ~ 45°C / 32 °F ~ 113 °F Operating humidity: 10% ~ 90% Atmospheric pressure: 70 ~ 106 kPa		
Electrical	Power: DC 12V ~ 14V Power consumption: Max. 20W		
Mechanical	Weight: 2.5kg / 5.51lb Dimensions: 161 x 288 x 139mm / 6.34" x 11.34" x 5.47"		