

SKY 100

Compact All-In-One Video Conferencing Meeting Terminal



Features

Compact All-In-One design, Plug and Play

- Integrated PTZ HD camera and mic
- USB configuration, easy to install, use and maintain
- Standard with bracket, support TV mount / wall mount
- Optional wireless presentation sender, one press to show the PC content on screen
- ZigBee remote control, 360° control

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

- 3x / 12x optical zoom, 1080p HD video
- Excellent ISP algorithm, optimize the video effect especially under low illumination conditions
- Built-in mic array, 6m audio pickup, AEC / ANS / AGC process, wideband audio protocol
- Built-in 2.4G / 5G dual-frequency Wi-Fi (optional), client / hotspot, flexible networking mode

Excellent network adaptability and security mechanism

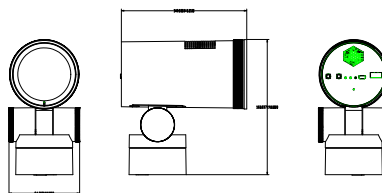
- Industry-first all-in-one meeting terminal supporting H.265 protocol(optional), it takes up less bandwidth, the minimum bandwidth 384Kbps to achieve 1080p resolution encoding and decoding
- Supports intelligent anti-packet loss, dynamic rate adjustment, automatic QoS setting, forward error correction 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
- Multiple encryption mechanism: H.235 conference encryption, 128 / 256 bit AES encryption, User authentication and role-based authorization

Open, converged, High interoperability

- Standard H.323 / SIP, interoperable with standard endpoints and infrastructures from third-party mainstream vendors (Polycom, Cisco, Huawei, etc.)
- Provide API, implementing flexible integration with third-party platforms

Dimensions

Units:mm



SKY 100								
Sub Models	-12x-H5-W	-12x-H5	-12x-W	-12x	-3x-H5-W	-3x-H5	-3x-W	-3x
System Standards	H.323, SIP H.225, H.235, H239, H.245, H.281, H.460							
Video Standards	H.264, H.264 High-Profile, H.265		H.264, H.264 High-Profile		H.264, H.264 High-Profile, H.265		H.264, H.264 High-Profile	
Audio Standards	G.711, G.719, G.722, G.722.1 Annex C / Polycom Siren14TM, G.728, G.729, MPEG4-AAC (LC / LD), Opus							
Network Protocols	TCP / IP, Telnet, HTTP / HTTPS, FTP,DHCP,RTP / RTCP, NTP, PPPoE, 802. 11a / b / g / n / ac	TCP / IP, Telnet, HTTP / HTTPS, FTP,DHCP, RTP /RTCP, NTP, PPPoE	TCP / IP, Telnet, HTTP / HTTPS, FTP, DHCP, RTP / RTCP, NTP, PPPoE, 802.11a / b / g / n / ac	TCP / IP, Telnet, HTTP / HTTPS, FTP, DHCP, RTP / RTCP, NTP, PPPoE	TCP / IP, Telnet, HTTP / HTTPS, FTP, DHCP, RTP / RTCP, NTP, PPPoE, 802.11a / b / g / n / ac	TCP / IP, Telnet, HTTP / HTTPS, FTP, DHCP, RTP / RTCP, NTP, PPPoE	TCP / IP, Telnet, HTTP / HTTPS, FTP, DHCP, RTP / RTCP, NTP, PPPoE, 802.11a / b / g / n / ac	TCP / IP, Telnet, HTTP / HTTPS, FTP, DHCP, RTP / RTCP, NTP, PPPoE
Conference Bitrate	64 Kbps to 4 Mbps							
Video Resolution	Video: 1080p (1920 x 1080), 720p (1280 x 720), W4CIF (1024 x 576), 4CIF (704 x 576), WCIF (512 x 288), 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 (1366x768), WXGA (1280 x 800), XGA (1024 x 768)							
Encode Capacity	1080p @ 30 fps + 1080p @ 5 fps (SKY Share) or 1080p @30 fps (NT30)							
Decode Capacity	1080p @ 30 fps + 1080p @ 30 fps							
Built-in Camera	Optical zoom: 12x Sensor: 1/2.8" CMOS, 2 MP PT control: Motorized Pan range: ±45° Tilt range: ±30° Adjustable camera parameter Automatic White Balance (AWB), Automatic Exposure (AE), Automatic Focus (AF)				Optical zoom: 3x Sensor: 1/2.8" CMOS, 2 MP PT control: Motorized Pan range: ±45° Tilt range: ±30° Adjustable camera parameter Automatic White Balance (AWB), Automatic Exposure (AE), Automatic Focus (AF)			
Video Features	Single screen dual / triple 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 Optional Wireless presentation sender NT30 (Supports Windows, USB port for power supply and data transmission)							
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 128 / 256 bit AES encryption HTTPS Conference password authentication User authentication and role-based authorization Advanced setting authentication Gateway password-protected							
Management Methods	Remote control Web interface, no plug-ins							
Maintenance Functions	Event logs can be managed Factory settings restoration Loop / image / audio tests Real-time video / audio bitrate display Address book and configuration file 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 Supports sending of wireless dual steam Output: 1 x HDMI							
Audio Interfaces	Input: 1 x Built in mic array, 1 x digital mic, 1 x 3.5mm Output: 1 x HDMI (with audio), 1 x 3.5mm							
Control Interfaces	IR / ZigBee remote control							
Network Interfaces	1 x 10 / 100M Ethernet, 1 x Wi-Fi 802.11a /b / g / n / ac	1 x 10 / 100M Ethernet	1 x 10 / 100M Ethernet, 1 x Wi-Fi 802.11a /b / g / n / ac	1 x 10 / 100M Ethernet	1 x 10 / 100M Ethernet, 1 x Wi-Fi 802.11a /b / g / n / ac	1 x 10 / 100M Ethernet	1 x 10 / 100M Ethernet, 1 x Wi-Fi 802.11a / b / g / n / ac	1 x 10 / 100M Ethernet
Other Interfaces	1 x USB 2.0 (USB configuration, USB recording) 1 x Reset							
Environmental	Operating temperature: 0°C ~ 45°C / 32 °F ~ 113 °F Operating humidity: 10% ~ 90% Atmospheric pressure: 70 ~ 106 kPa							
Electrical	Power: DC 12V Power consumption: Max. 36W							
Mechanical	Weight: 1kg / 2.20lb Dimensions: 160 x 84 x 149mm / 6.30" x 3.31" x 5.87"							