

DH-VCS-TS51A0

Integrated Full-HD Video Conferencing Endpoint



- Integrated design, built-in HD camera/codec, small and elegant.
- 1080P@60fps, 12x optical zoom, 73° horizontal field of view.
- H.265 video compression/4K resolution/dual stream/1080P auxiliary stream.
- OPUS audio codec, 48KHz sample frequency.
- Supports omnidirectional mic/infrared remote control/wireless mouse/keyboard, etc.
- Horizontal mount/wall mount/ceiling mount.

Product Overview

The TS51A0 is an innovative 2MP conference endpoint, which applies to medium/small conference rooms.

Technical Specification

Video

Video Codec	H.265, H.264 HP, H.264 BP, H.263, H.263+
Video Resolution	Main Stream, 1080P, 720P, 4CIF, CIF Demo Stream, 1080P, UXGA, WXGA, SXGA, XGA, SVGA, VGA
Frame Rate	25fps, 30fps, 50fps, 60fps
Video Bitrate	64Kbps ~ 8Mbps
Dual Stream	Dual 1080P

Audio

Audio Codec	OPUS, G711a, G711u, G722, MP3 G722_1c, AAC_LC, G719, G722.1, G728, G729
Audio Sample Rate	8KHz-48KHz
Audio Bitrate	8Kbps ~ 256Kbps
Audio Processing	AEC (Acoustic Echo Cancellation), AGC (Automatic Gain Control), ANS (Automatic Noise Suppression), Self-Adaptive Post-filtering, Audio Error Correction and Lip Sync

Communication

Communication Protocols	ITU-T H.323, IETF SIP
Dual Stream Protocols	H.239, BFCP

Transmission Protocols	IPv6/IPv4, TCP/IP, FTP/FTPS, RTP, RTCP, HTTP/HTTPS, SNMP, SSH, DNS, NTP, PPPoE, DHCP, SRTP, TLS
Other Protocols	H.221, H.225, H.235, H.241, H.245, H.281, H.460

Lens

Image Sensor	1/2.8" HD CMOS
Resolution	1080P@60fps
Effective Pixels	2.1MP
Lens Zoom	12x
Focal Length	3.9 ~ 46.8 mm
Aperture	F1.6-F2.8
Field of View	Horizontal: 6.55° ~ 73°
Minimum Illumination	1.8Lux
Exposure Mode	Auto/Aperture priority/Shutter priority/Manual/BLC/HLC
Focal	Manual/Auto
Others	Auto Gain Control, WDR, White Balance

PTZ

Pan/Tilt	Pan: -120° ~ +120°, Tilt: -30° ~ +30°
Speed	Pan: 0.2-150°/s; Tilt: 0.2-80°/s Preset Speed: Pan: 120°/s, Tilt: 80°/s
Presets	15

Network

Network Packet LossTolerance	In the event of a 30% packet loss, the conference audio and video is unaffected
Network Delay Tolerance	Normal conference processing for up to 800ms delay
Other Features	Audio priority/Packet retransmission/Intelligent speed control/error correction

Security

Physical environment	Adopts reliable designs (environment/safety/EMC/thermal) to ensure the system runs stably for a long time
Network transmission	Support H.235/SRTP/TLS/AES 128/AES 256 encryptions, etc. Support conference access password/SSH/HTTP/WEB administrator password

Video Interfaces

Video Inputs	1 × VGA/HDMI, 1 × Built-in Camera Input
Video Outputs	2 × HDMI

Audio Interfaces

Audio Inputs	2 × 3.5mm, 1 × DH-AI, 1 × USB port
Other Protocols	1 × 3.5mm, 1 × HDMI

Network Interfaces

Network	1 × RJ45 10/100/1000M self-adaptive network port
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Other Interface

USB	1 × USB port
Remote control	Support IR remote control

Physical Features

Power Supply	12V DC
Power Consumption	≤36W
Operating Conditions	0°C~45°C(+10°F~+113°F)
Dimensions(W×D×H)	245mm × 166mm × 156mm
Package Size(W×D×H)	674mm × 454mm × 486 mm
Weight	Net Weight: 2.5kg (5.5lb) Gross Weight: 5.2kg (11.5lb)