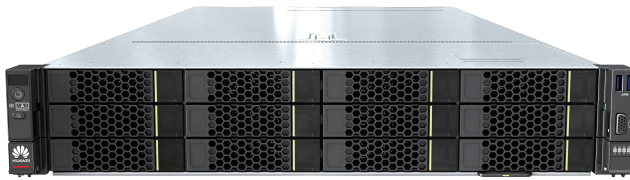


HUAWEI CloudRSE

Video Conferencing Recording and Streaming Server

Overview

CloudRSE is Huawei's next-gen platform for recording and streaming video conferences. Supporting 1080P60 HD recording, live streaming, video on demand (VOD), as well as mobile viewing, make it one of the most easy-to-use, reliable, full HD products available in the market.



HUAWEI CloudRSE



Mobile playback via HTML5,
Easy to use



1080P60 dual-stream,
Full-HD experience



Independent core technologies,
Secure and trustworthy

Highlights

Mobile or Web Playback via HTML5

- VOD and live-stream programs are available on laptops or smartphones simply using a browser, without the need to install a plug-in
- Both HD and SD are available



1080P60 Dual-stream for Full-HD Recording and Streaming

- Powerful codec, 1080p60 single- or dual-stream video recording and streaming, full-HD experience



State of the Art Reliability

- Reliable storage of recording files with hot standby power modules, hot standby network port, and disk drives in RAID 1
- Resource pool management, backup between CloudRSEs in a resource pool, and backup between CloudRSE resource pools, delivering a reliable recording&streaming experience



Independent Core Technology

- Proprietary technologies with independently held intellectual property, including multi-channel conference stream processing and video recording optimization
- Conference security with HTTPS session encryption and TLS/SRTP signaling and media encryption



Typical Scenarios



Enterprise training



administrative conference



Smart Education



CloudRSE

Features

Service Features

Resource Management	Floating license, centrally managed by the Huawei SMC for sharing between CloudRSEs and on-demand allocation
Recording	<ul style="list-style-type: none"> Single- and dual-stream recording of multipoint video conferences Segment-by-segment recording in case of long videos Recordings stored as MP4 files Bandwidth: 128 kbit/s to 8 Mbit/s Download of recorded files Support audio IVR, and recording voice reminders
VOD/Live streaming	<ul style="list-style-type: none"> Playback via HTML5 in Internet Explorer 11, Firefox 41-67, Chrome 46-75, and Edge 40+ browsers, without the need to install a plug-in Searching for or viewing videos on web pages and video controls such as pause and drag for VOD Supported layouts: dual-stream and single-stream in PiP and full-screen display modes
Maintenance and management	<ul style="list-style-type: none"> Remote upgrade over web Statistics covering resources, including online users, CPU usage, memory usage and more One-click information collection
Reliability and security	<ul style="list-style-type: none"> HTTPS session encryption and TLS/SRTP signaling and media encryption 30% video packet loss concealment with super error concealment (SEC), 80% audio packet loss concealment with Opus and NetATE Multiple backup mechanisms for power supplies, network ports, and hard disks (RAID1) Backup between CloudRSEs in a resource pool and backup between CloudRSE resource pools

Technical Specifications

Protocols and Standards

Multimedia framework protocols	ITU-T H.323, IETF SIP
Video codec protocols	H.264 HP, H.264 BP, H.263
Audio codec protocols	G.711a/u, G.722, G.722.1C, G.729A/AB, Opus, AAC-LD, AAC-LC
Dual-stream protocols	H.239, BFCP
Network transmission protocols	IPv4, TCP/IP, FTP/FTPS, HLS, RTP, RTCP, HTTP/HTTPS, DNS/DDNS
Other standards and protocols	SRTP, TLS, RAID1, NTP

System Capacity

Maximum concurrent recording/live streams	10-channel 1080p60, 20-channel 1080p30, or 40-channel 720p30 video streams
Maximum concurrent VOD/live video viewers	750 channels at 512 kbit/s; 500 channels at 768 kbit/s; 350 channels at 1 Mbit/s; 170 channels at 2 Mbit/s
Supported resolutions	1080p60, 1080p30, 720p30, and 4CIF
Maximum audio-only streams	300 channels
Storage capacity	Standard edition: 1.2 TB in RAID 1, up to 1,000-hour recording at 2 Mbit/s

Other Parameters

Languages	Simplified Chinese, English
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Physical Specifications

Network ports	GE: 1000 Mbit/s, RJ45	Serial port: RJ45
Dimensions (H x W x D)	86.1 mm x 447 mm x 790 mm (3.39 in. x 17.60 in. x 31.10 in.) (2 U)	
Weight	Net weight: 23 kg (50.7 lb); gross weight: 30 kg (66.1 lb)	
Environmental adaptability	Comprehensive environment, safety, electromagnetic compatibility (EMC), and reliability design, as well as intelligent thermal protection for automatic internal temperature adjustment, ensuring stable system operations	
Operating temperature	5°C to 40°C (41°F to 104°F)	
Operating humidity	8% to 90% (relative humidity, non-condensing)	

Power Supply	AC: 100V - 240V	Power: < 900 W
Disk Capacity	Standard edition: 2.4T	
MTBF	> 100,000 hours	
MTTR	< 1 hour	

Ordering Information

Category	Description	Remarks
Main unit	Huawei Kunpeng-powered platform: Standard edition	–
Software license	<ul style="list-style-type: none"> Recorded video quantity Live video quantity 	Centrally allocated and managed by Huawei SMC
Warranty service	During the warranty period, Huawei offers a faster response to requests for services such as troubleshooting and spare parts delivery and provides additional services including Hi-Care original manufacturer service, media retention service, and Co-Care joint service. For more information, visit: https://support.huawei.com/enterprise/en/service-support	–

Warranty Information

The CloudRSE has a 1-year warranty for hardware and 90-day online technical support for software.

Learn More>>>



Huawei Video
Conferencing Solution



CloudLink Collaborative
Telepresence Products

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