

HUAWEI RSE6500

The World's First Large-capacity 1080p60 Recording and Streaming Engine



This new-generation recording and streaming engine supports 1080p60 point-to-point and multi-point High-Definition (HD) recording, live streaming and mobile Video on Demand (VoD), providing open Application Programming Interface (API) and streaming media interfaces for third-party integration. With optimized high performance, easy deployment and interoperability, RSE6500 enables delivery of full HD video recording services.

Powerful Capabilities with 1080p60 recording, live and VoD

Single point, Point-to-Point (P2P), multi-point real-time recording, live streaming and VoD

Supports up to 30 1080p60 recordings, 20 HD live streams, and 2,000 Web viewers

Three-screen telepresence panoramic recording and playback

Up to 64 RSE6500 for extended capabilities

Offline transcoding

Standard MP4 recording for playback on mainstream players

Mobile VoD, anytime, anywhere

Mobile WEB play based on HTML5 - no plug-ins required

HD and Standard Definition (SD) streaming for PCs, mobile phones, or tablets

Live streaming and VoD playback at the video conferencing endpoint

Quick index to video sources through grouping and labeling

High stability and reliability with multi-level backups

Three-level backup with hard disk, power, and codec chip

RAID1 function to ensure reliability of recorded files

Dump, export, and upload recorded files through IP SAN and NAS to back up data and enhance data security

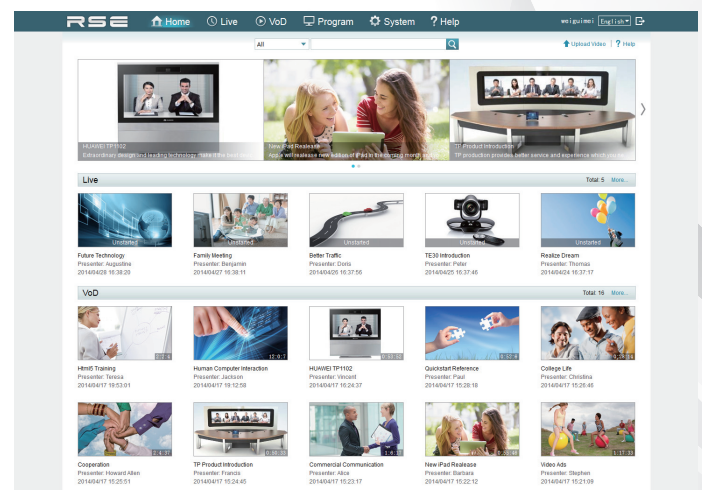
Standard encryption with HTTPS, H.235, and TLS/SRTP

Multiple recording applications and third-party integration

Local and network recording

Simple Object Access Protocol (SOAP) API interfaces for integration with third-party applications

Standard Transport Stream (TS) and FTP interfaces for integration with third-party streaming media platform



HUAWEI RSE6500 Specifications

Sub-model	RSE6500-M	RSE6500-L
Maximum concurrent recording capability	30 × 1080p60/1080p30/720p60/720p30 recordings (Dual stream)	
Maximum concurrent live streaming capability	10 × 720p30 / 5 × 1080p30 / 2 × 1080p60 live streams	20 × 720p30 / 10 × 1080p30 / 5 × 1080p60 live streams
Maximum concurrent VoD/live viewing capability	2,000 viewers @ 256 Kbps; 1,000 viewers @ 512 Kbps; 512 viewers @ 1 Mbps; 256 viewers @ 2 Mbps	
Storage capacity	2T, 4,000-hour recordings @ 512 Kbps	

Protocols and Standards

Standards and protocols: ITU-T H.323, IETF SIP

Video standards and protocols: H.264 HP, H.264 BP, H.263

Audio standards and protocols: AAC-LD, AAC-LC, G.711a, G.711u, G.722, iLBC

Dual stream standards: H.239, BFCP

Network transmission protocols: IPV6/IPV4, TCP/IP, FTP/FTPS, HLS, RTP, RTCP, HTTP/HTTPS, SNMP, TELNET, SSH, DNS/DDNS

Other protocols and standards: H.221, H.225, H.235, H.242, H.243, H.245, SRTP, TLS, NTP, RAID1, IP SAN, NAS(NFS)

Recording

Recording:

- Uni-stream and dual-stream recording
- Recording of the endpoint called by the recording server
- Recording of three-screen Telepresence

Video format: 1080p60, 1080p30, 720p60, 720p30, 4CIF, CIF

File storage format: MP4, AVI, WMV, ASF, FLV

Bandwidth: 128 Kbps to 8 Mbps

Recorded file management :

- Offline transcoding and adding text index
- Dump, export, and upload recorded files
- Ability to record PPT files or conference agendas
- Audio IVR for reminding

Live Streaming & VoD

Browser:

- PC: IE8+, Firefox19+, Chrome25+
- MAC and IOS: Safari 5+
- Android: Android 2.3+

Video format: 1080p60, 1080p30, 720p60, 720p30, 4CIF, CIF

Play mode:

- Web, standard video conferencing endpoint
- Live streaming—unicast and multicast
- On-demand streaming (unicast)
- Play offline after downloading

Play feature:

- Search, preview, and play recorded content via Web interface
- Quickly search video sources through video grouping and labeling
- Video pause, drag, and PPT content searching while playing on-demand video via Web
- Multiple playing layouts
- Chat online while live broadcasting, and comment when video on-demand

Service Features

Network storage expansion: IP SAN, NAS

User authentication: Login confirmation of LDAP/AD user to simplify user and group management

Third-party integration: SOAP-based open API interface, transmission interface based on TS stream and FTP

Language: English, French, German, Spanish, Russian, Simplified Chinese, and Traditional Chinese

Interfaces, Reliability, and Maintenance

Network interfaces:

- 1000 Base-T, RJ-45
- SFP, Gigabit optical fiber interface

Multiple user tiered permission: Multiple user tiered permission management based on video grouping and user grouping

Storage safety: RAID1 function to ensure reliability of recorded files

Encryption: HTTPS, H.235, TLS/SRTP

Reliability: Power, hard disk, and chip backup

Network adaptability: SEC3.0 ultra-powerful error-correction technology Acoustic PLC anti-packet-loss technology

Maintenance and management:

- Remote upgrade via Web
- Resource statistics: user hits, CPU occupation rate, memory usage ratio, etc.
- Hardware status diagnosis, error status alarm

Physical Features

Operating temperature: 0°C to 45°C

Relative humidity: 5% to 90% (non-condensing)

Air pressure: 55 kPa to 10 6kPa

Net Dimension: 86.1 mm (H) x 442 mm (W) x 450 mm (D), 2U
Package Dimension: 260 mm (H) x 580 mm (W) x 780 mm (D)

Net weight: 16 kg
Package Weight: 21 kg

AC input: 100V to 240V @ 50/60 HZ

Power consumption: < 300W

MTBF: > 100,000 hours

MTTR: < 0.5 hour

Certification: CE, RoHS, WEEE, REACH, UL, CCC, FCC, VCCI, C-Tick, IC, Multi-Country certificate