

RECORDER AND STREAMING GEN-RS340



An all-in-one 4K audio/video device for capture, codec, processing, recording, on-demand, live streaming, switching, and management. Industrial-grade ARM processor and stable Linux OS ensure reliability. User-centric design with easy installation, operation, and maintenance. Ideal for conferences, training, medical, and more with multi-channel signal handling. Simple, intuitive UI.



Product Functions and Features

Pure Embedded Design

1. High stability and low power consumption with pure embedded system and ARM multi-core processor.
2. Equipped with a 3.5" removable hard disk tray supporting mainstream high-capacity hard disks and hot-swapping.
3. Supports 7x24-hour operation.

Diverse Video Access Methods

1. Supports 4 HDMI inputs (up to 3840x2160 resolution, compatible with 1920x1080 and other conventional resolutions).
2. Supports RTSP protocol for video access.
3. Supports ONVIF protocol for video access.

Diverse Audio-Video Combination Modes

1. Supports 4 HDMI audio inputs.
2. Supports 4 line-level stereo audio inputs.
3. Supports multiple audio-video combination recording modes.

HD Video Recording

1. Supports up to 3840x2160@30 resolution for movie channels.
2. Supports segmented and timed recording.
3. Supports MP4, TS, and other recording formats for convenient playback on various players and software editing.



Multi-protocol Video Live Streaming

1. All channels support live streaming via protocols such as RTMP and HLS for easy integration with third-party platforms and systems.
2. Supports simultaneous live streaming of movie channels and resource channels.
3. Supports scheduled live streaming.

Diverse Management of Video Switching

1. Supports 8 layout modes to cater to different scenarios.
2. Provides 14 transition effects for smooth and natural video switching.
3. Supports subtitles, channel logos, and opening/closing credits with preset options for quick access, enhancing the switching experience.

Efficient Management of Recorded Files

1. Supports one-click playback and deletion of recorded files directly from the software interface.
2. Supports external storage devices such as USB drives and portable hard disks for one-click or automatic copying of recorded files.
3. Enables transfer of recorded files to relevant platforms via FTP.

Centralized Platform Management

1. Allows for remote operations like powering on/off, restarting, and toggling features, reducing workload for staff.
2. Provides real-time device status monitoring and course inspection capabilities.
3. Offers an open SDK for third-party systems/platforms to integrate centralized management, device status monitoring, and course inspection features.



Technical Specifications

| | | |
|--------------|---------------------------|---|
| System Units | Operating System | Linux |
| | Onboard Storage | 3.5-inch pluggable hard drive bays, support for mainstream hard drives; recommended 3.5-inch hard drives with monitoring-grade specifications |
| | One Click System Restore | One-click system restore buttons |
| | Protocol Support | HTTP, UDP, TCP, HLS, RTMP, RTSP, ONVIF, WEBSOCKET, FTP, NTP, DHCP |
| | Front Physical Buttons | Power switch |
| Video Unit | Video encoding standard | H.264, H.265 |
| | Input Resolution | 3840×2160p@30, 1920×1080p@60, 1920×1080p@30, 1600×1200P60, 1680×1050p@60, 1600×900P60, 1440×900P60, 1280×1024p@60, 1280×960p@60, 1280×800p@60, 1280×720p@60, 720×480p@60, 640×480p@60 |
| | Output Resolution | 3840×2160p@30, 1920*1080 |
| | Video Recording Format | MP4, TS |
| | Video Recording Bitrate | 256kbps~20480Kbps adjustable |
| | Recording bitrate control | CBR, VBR, AVBR, QVBR, CVBR, FIXQP, QPMAP |



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|---------------------|-----------------------------|--|
| | Video Recording Frame Rate | 25~60fps |
| | Live Video Format | RTMP, RTSP, HLS |
| | Live Video Bitrate | 256kbps~20480Kbpsadjustable |
| | Live Video Frame Rate | 25~30fps |
| Audio Unit | Audio Compression Standards | AAC |
| | Audio Compression Bit Rate | 32~192Kbps adjustable |
| Function Interfaces | Video Input | 4 HDMI Ports |
| | Video Output | 2 HDMI Ports |
| | Audio Input | 4 HDMI IN, 4 3.5mm LINE IN |
| | Audio Output | 2 HDMI OUT, 2 3.5mm LINE OUT |
| | Network Interface | 1 RJ45: 10/100/1000M Adaptive |
| | COM port | 3 Phoenix Connector RS232 |
| | USB Interface | 2 Type-A USB 2.0, 1 Type-A USB 3.0 |
| | Power connector | Inner Diameter: 2.5mm, Outer Diameter: 5mm DC Power Socket |
| Power Supply Unit | Input Power | DC 19V |
| | Maximum Power Consumption | <30W |



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| | Standby power consumption | <2W |
| Operating environment | Storage Temperature | 0° C~50° C |
| | Storage Humidity | 90%RH |
| | Operating Temperature | 0° C~50° C |
| | Working Humidity | 70%RH |