

REC-1026



High Density

Up to 20 channels 4K/HD SDI in a 2RU

High Security

Data encryption & user signature for secure media exchange

High Availability

Onboard NVMe with multi-level data protection

Easy to Use

Plug-and-play SSD with metadata

REC-1026

☆ Product Overview

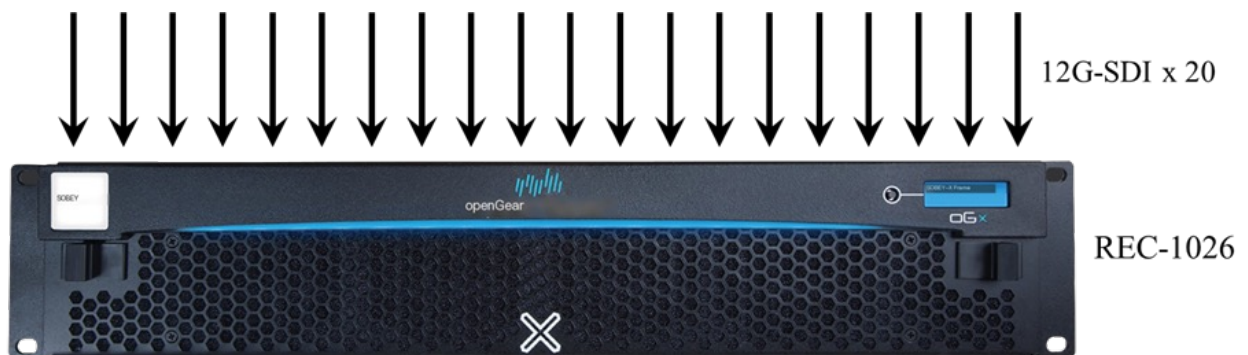
REC-1026 is a high-density embedded SDI recorder unit, suitable for multi-channel recording scenarios such as sports events, variety shows, galas, and large-scale reports. The product possesses the following main functions:

1. Support high-density recording, achieving recording of 20 4K channels within 2RU device
2. In conjunction with storage nodes or shared storage, it can ensure secure indexing while seamlessly integrating with related systems

📋 Scenarios

High-density Recording

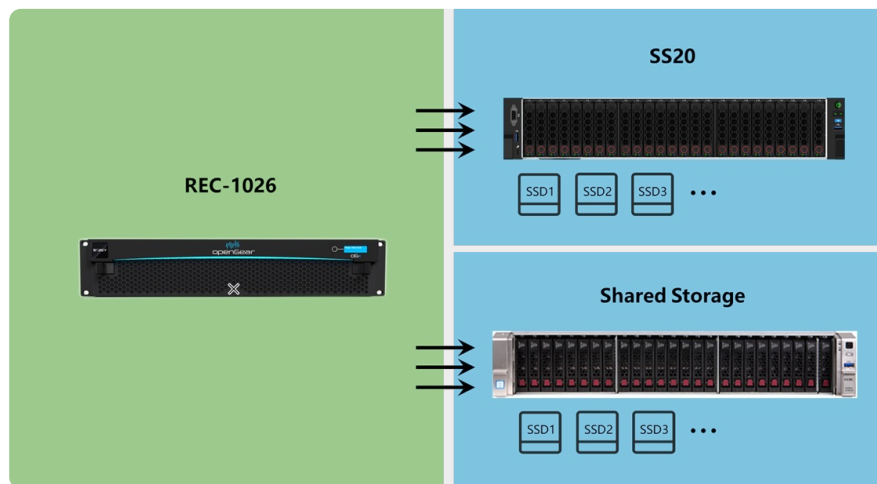
- In scenarios such as sports events, variety shows, galas, and large-scale reporting, achieving as much recording as possible within a limited space, namely high-density recording, is an important feature of current large-scale multi-channel recording systems.



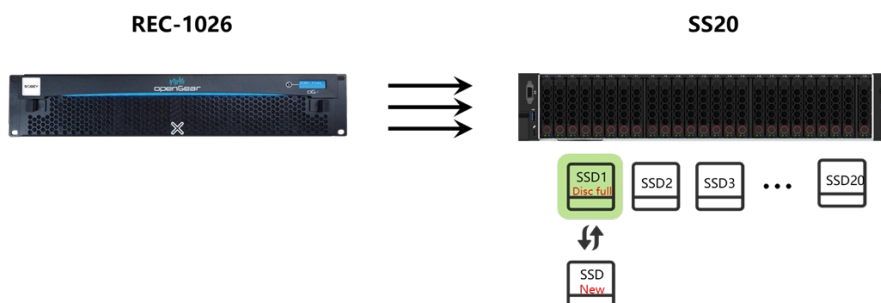
Supports simultaneous recording of 20 channels of 4K SDI signals

Secure and Convenient Exchange of ingested Content

- While meeting the requirements of high-density recording, the multi-channel recording system should also ensure the safety and reliability of the recorded content, and the recorded file content can be easily exchanged with production and broadcasting systems.
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- REC-1026 supports mounting storage units or shared storage, and when recording files, it directly writes the content to the corresponding individual pluggable SSD storage medium. At the same time, each REC-1026 recording unit comes with its own storage, providing 4TB of local recording space. The recording unit can be used independently or for centralized storage backup to ensure the safety of recorded content.



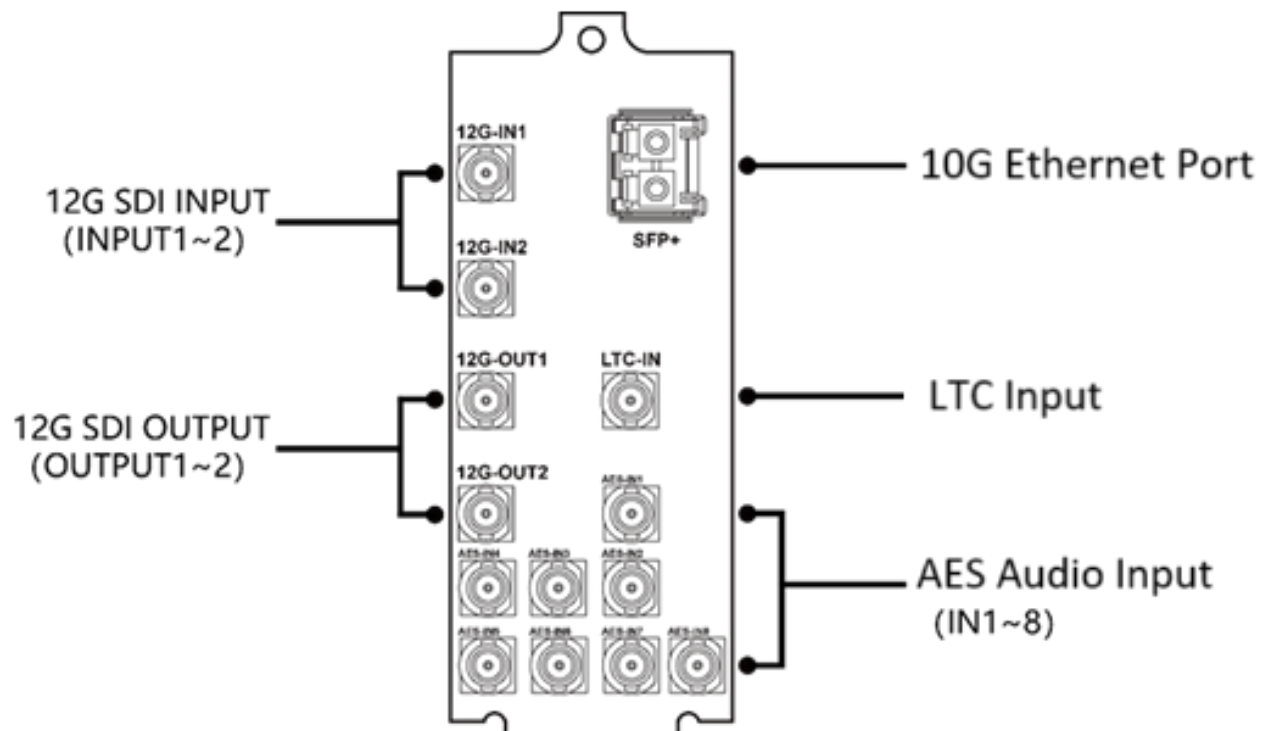
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- When the recording unit is used in conjunction with the storage node SS20, it facilitates data exchange with other systems through open storage disk information, metadata of audio and video files, and tags of audio and video clips. Additionally, it can seamlessly integrate with the production system through shared storage.



Rich recording functions It can be adapted to different scenarios

- Supports multiple collection methods such as manual, scheduled, and playlist-based
- Support cluster indexing and unified clock tagging
- Support binding the input AES audio to the input video for recording
- Support automatic timing segmentation of recorded files
- Supports multiple control methods, including shortcut keys, keyboard and mouse, and remote control panel
- It supports the use of multiple split screens for monitoring, and the output supports SDI interface

Device Interface





Technical Specification

Input/output	
SDI Interface	12G SDI x 4 (2IN, 2OUT)
Audio	BNC x 8, 16 channels
LTC	LTC In x 1
10 Gigabit Ethernet Port	SFP+ x 1
Video Format	
4K	3840 x 2160 60p/59.94p/50p
HD	1920 x 1080 60p/59.94p/50p/59.94i/50i
Encoding Format	
4K	SUVC, H.264, H.265, AVS-HFM, DNxHR (HQ, SQ, LB), ProRes (HQ, 422, LT, Proxy), XAVC (Class 300 CBG/VBR, Class 480 CBG/VBR)
HD	SUVC, H.264, H.265, AVS-HFM, DNxHD (HQ, SQ, LB), ProRes (HQ, 422, LT, Proxy)
File Format	
4K	MXF, MOV, MP4
HD	MXF, MOV, MP4
Storage	
Storage Capacity	4TB
Number of Slots	
2 slots	

Main Function

Supports recording of 2-channel 4K/HD signals

Supports SUVC, XAVC, ProRes, AVS-HFM, DNxHR, DNxHD, H.264, and H.265 encoding formats

Support SDI output and connect to multiple screens for monitoring

Support binding the input AES audio to the input video for recording

Supports various collection methods such as manual, scheduled, and playlist-based

Support cluster indexing and unified clock tagging

Supports open format metadata recording, including format information, intelligent recognition tags, etc., which can be used for rapid exchange of collected materials

Support automatic timing segmentation of recorded files

Recording supports mirrored dual-write, which means that a piece of encoded data is simultaneously recorded to both the local and storage nodes (or shared storage), serving as backups for each other

Adopting a BS control interface, it can be extended to support control panels

Chassis Configuration

Number of slots	20
Power supply	100V to 240V AC, 50/60 Hz
Power consumption	600W
Temperature range	0°C- 40°C
Dimensions (W x H x D, mm)	483 x 90 x 427
Redundant power supply	

Optional: Multi-screen Monitoring Card

SDI Interface: 12G SDI x 16 (16 IN), 4 slots

Supports up to 16-channel video monitoring