CHENGDU SOBEY DIGITAL TECHNOLOGY CO., LTD.

SOBEY

AS20

Hot-swappable SSD

Works with REC-1026 / REG-1024
expanding storage and swappable media

AI-powered real-time multi-modal analysis
(face/speech/entity recognition)

Intelligent storage unit AS20

Product Overview

The AS20 intelligent storage unit is a high-performance, large-capacity storage and intelligent analysis integrated device that complements high-density recording units. It is suitable for recording file storage and rapid file exchange scenarios in systems such as OB vans and studios. The product possesses the following main functions:

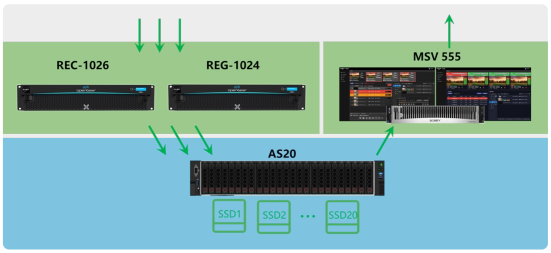
1. It can be used in combination with multi-channel recording units REC-1026 and REG-1024, as well as multi-channel recording and playback server MSV555, supporting the expansion of recording file storage capacity and providing pluggable media functionality.
2. Support AI analysis, enabling online real-time face recognition, scene recognition, speech recognition, entity recognition, and more.
3. Support open professional media description files to achieve rapid recognition and plug-and-play of recording media across different devices.

Scenarios

Scenario 1

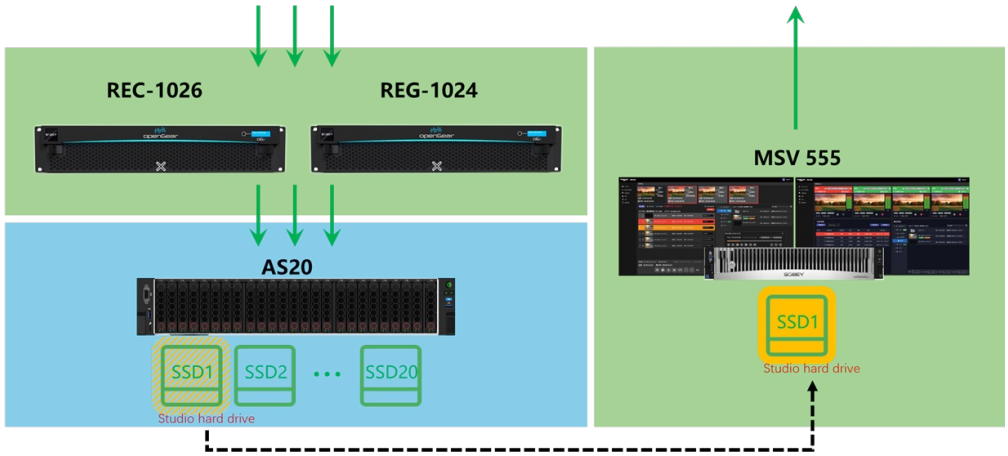
- In the current multi-channel recording and broadcasting scenario, material files need to be imported and exported using shared storage or removable storage media. This approach reduces the efficiency of file exchange and increases the likelihood of operational errors.

- AS20 can be adapted to multi-channel recording units REC-1026 and REG-1024, as well as multi-channel recording and playback server MSV555. The relevant devices can share a storage unit. During recording, files are directly written to the storage unit, and during playback, files from the storage unit are directly read for playback.



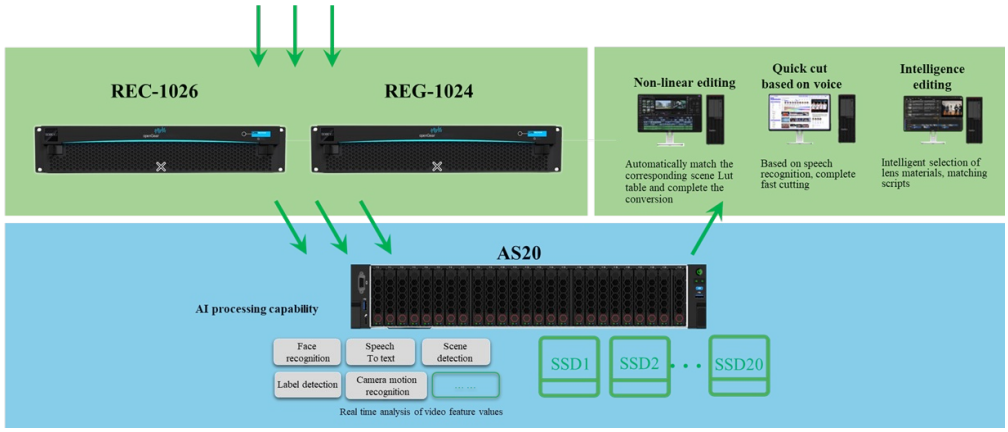
Scenario 2

- AS20 adopts open data specifications for storage disk information, video and audio file metadata, and video and audio clip tags, with pluggable storage media for easy exchange with other systems. When systems are independent of each other, for recorded studio program files, simply unplug the corresponding hard disk from the storage unit and plug it into the recording and playback server. The hard disk and the corresponding program files can be automatically recognized and broadcast according to the playlist.



Scenario 3

- AS20 can perform real-time analysis on video streams, write the recognition results into metadata information and save them. In post-production, the metadata information can be directly read for intelligent matching, enabling operations such as quick scene color grading and quick voice editing.



Technical Specification

Input/output	
Media Data Interface	25G QSFP28 x 2
USB	USB3.0 Type-A x 3, USB2.0 Type-A x 1
EtherNet	RJ-45 x 1

Main Function
A single device supports 4-channel AI real-time analysis
It supports up to 20 SSDs, with a storage capacity of 960G/1.92T/3.84T/7.68T per SSD, selectable
Supports open format metadata recording, including format information, intelligent recognition tags, etc., which can be used for rapid exchange of collected materials
Using the BS control interface, centralized management of files on the storage unit can be achieved
Supports importing and exporting materials via USB interface
A single device supports up to 4-channel AI real-time analysis, enabling intelligent analysis of real-time video and audio streams with an average latency of less than 2 seconds. It provides intelligent processing capabilities such as scene recognition, face recognition, speech recognition, entity extraction, and shot movement recognition (the intelligent analysis capabilities can be adjusted according to resources and user needs)
Media tags are labeled based on intelligent processing capabilities, encompassing a series of related media tags such as timecode information, face tags, voice tags, background tags, brightness tags, and more

Chassis Configuration	
Power Supply	100V-240V AC, 50/60 Hz
Power Consumption	2400W
Temperature Range	5℃ - 40℃
Weight	39.5kg
Dimensions (W x H x D, mm)	434 x 86 x 680
Redundant Power Supply	