Development Product

Traffic Sim

ACAS Multi-Descrambler

As the transition to the ACAS system in cable television accelerates, Traffic Sim proposes an ACAS multi-descrambler compatible with multi-channel broadcasting and advanced BS (4K/8K).



System Overview

With the ACAS system, multiple services using different key information in a multi-stream can each be descrambled using their respective key information.
Furthermore, by connecting downstream equipment such as our systems (multi-view / simultaneous recording systems, etc.) or IP video routers to the ACAS multi-descrambler, multiple descrambled streams can be efficiently monitored, watched, and recorded.

Features

- Multi-stream support increases consolidation, enabling streamlined system design including the descrambler.
- Current input/output supports multicast only, but unicast conversion functionality is planned for future implementation.
- Any descrambled stream can be output to the required point.

ACAS Multi-Descrambler MDSR-1 — Planned Specifications

Delivery Method	Appliance product
Product Specifications	Our multi-ACAS board is added to a server equipped with PCI slots, and the dedicated software is installed before delivery. Server specifications are adjusted to the number of descrambling channels and customer requirements.
Simultaneous Descrambling Channels	Per board: Terrestrial digital / BS / CS: up to 96CH; CATV: up to 192CH
Input/Output	IP input/output (TSoIP / single TLV)

System Diagram

Head-End Equipment

IP → ACAS Multi-Descrambler

Terrestrial / BS / CS: Up to 96CH
CATV: Up to 192CH

IP Video Router (Matrix Switcher)

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1. For multi-viewing
   - Multiview Service MediaHarbor
2. For simultaneous recording
   - Simultaneous Recording System RecShare / RecShareCLOUD
3. For monitoring
   - Monitoring System: AlertMagic
4. For output analysis
   - Portable TS Recording Analyzer HACOBE2+

Monitoring Equipment
- e.g. Multi-viewer
- e.g. IP decoder

Line Equipment
- e.g. Line monitor
- •
- •
- •

Connection to IP video routers, IP stream decoders and other third-party equipment you currently use is also possible.

Downstream Equipment

Multiview Service: MediaHarbor

MediaHarbor is a multiview service that can be easily built in either a cloud or on-premises environment using the installer.




Simultaneous Recording System: RecShare / RecShareCLOUD

Multi-stream simultaneous recording is possible on-premises or in the cloud. Anytime, anywhere, anyone can start using the service right away, without a manual.




Monitoring System: AlertMagic

Consolidated monitoring of multiple streams. AlertMagic works in conjunction with analysis applications to suit the user's purpose.




Portable TS Recording Analyzer: HACOBE2+

A signal analyzer that also supports IP input. A wide range of functions are packed into a single portable unit.




● Contents and screen examples are subject to change without notice for product improvement.

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