



### OVERVIEW

The 'SCR' module supports DVB CSA (including BISS) and all common types of AES scrambling.

It is fully compliant with all major CA and supports scrambling of up to 512 services.

### KEY FEATURES

- DVB-CAS, BISS, and AES scrambling
- Support up to 512 services of scrambling
- Platform-based Modular Design

### ORDERING INFORMATION

Model	Description
WAV-DMPSMP-CAS-4CH	4-CH DMP-SMP CAS Scrambler Module
WAV-DMPSMP-CAS-8CH	8-CH DMP-SMP CAS Scrambler Module
WAV-DMPSMP-CAS-12CH	12-CH DMP-SMP CAS Scrambler Module
WAV-DMPSMP-AES	DMP-SMP AES Scrambler Module
WAV-SMP100-CHASSIS	Chassis (1RU, embedded MUX and IP/ASI, 3 x slots)
WAV-DMP900-CHASSIS	Chassis (1RU, embedded MUX, 6 x slots, Dual PSU, hot-swappable)

### SPECIFICATIONS

#### INTERFACE

Ethernet: 1 x RJ45, 100/1000Base-T

#### CAS SCRAMBLING

Scrambling algorithms: DVB-CSA  
 SCS: Internal  
 CAS Connections: Up to 4 difference CA systems  
 Supported CAS: Support all major CA systems  
 Max. TS rate: 800Mbps  
 EMM Bitrate: Up to 3Mbps

#### BISS SCRAMBLING

Number of Services: 512 (per module)  
 Scrambling Algorithms: DVB-CSA  
 BISS Mode: BISS-1  
 Scrambling: Service-level scrambling

#### AES SCRAMBLING

Scrambling algorithms: AES-CBC  
 Connections: Up to 4 different DRM systems  
 Supported CAS: Support all major CAS systems  
 Max. TS rate: 800Mbps

#### PHYSICAL & ENVIRONMENT

Power Consumption: Maximum 6 W  
 Operating Temperature: 0° C ~ 50° C  
 Storage Temperature: -10° C ~ 70° C  
 Operating Humidity: <95%  
 MTBF: >100,000 hours