

# SCR

## 4/8/12-channel DVB-CAS/BISS/AES Scrambling Module



### 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<br>1RU, embedded MUX and IP/ASI, 3 x slots               |
| WAV-DMP900-CHASSIS  | Chassis<br>1RU, embedded MUX, 6 x slots, Dual PSU, hot-swappable |

### SPECIFICATIONS

|                                   |                               |
|-----------------------------------|-------------------------------|
| <b>Interface</b>                  |                               |
| Ethernet:                         | 1 x RJ45, 100/1000Base-T      |
| <b>CAS Scrambling</b>             |                               |
| Scrambling algorithms:            | DVB-CSA                       |
| SCS:                              | Internal                      |
| CAS Connections:                  | Up to 4 different CA systems  |
| Supported CAS:                    | Support all major CA systems  |
| Max. TS rate:                     | 800Mbps                       |
| EMM Bitrate:                      | Up to 3Mbps                   |
| <b>BISS Scrambling</b>            |                               |
| Number of Services:               | 512 (per module)              |
| Scrambling Algorithms:            | DVB-CSA                       |
| BISS Mode:                        | BISS-1                        |
| Scrambling:                       | Service-level scrambling      |
| <b>AES Scrambling</b>             |                               |
| Scrambling algorithms:            | AES-CBC                       |
| Connections:                      | Up to 4 different DRM systems |
| Supported CAS:                    | Support all major CAS systems |
| Max. TS rate:                     | 800Mbps                       |
| <b>Physical &amp; Environment</b> |                               |
| Power Consumption:                | Maximum 6 W                   |
| Operating Temperature:            | 0° C ~ 50° C                  |
| Storage Temperature:              | -10° C ~ 70° C                |
| Operating Humidity:               | <95%                          |
| MTBF:                             | >100,000 hours                |