

DMP900 Media Platform

Product Overview



▶ DMP900 Overview

The DMP900, with Wellav's most advanced technologies, offers you a compact and reliable headend with comprehensive video delivery solutions.

- ▶ Any input to any output
- ▶ Compact modular design:
1RU with 6 modules
- ▶ Powerful data processing
- ▶ Redundancy and hot swappable



Application:

multiplexing, receiving, encoding, transcoding, modulation, scrambling and more

Comprehensive, Powerful and Reliable

Features

Fit for Tier 1 & Tier 2 operators

Powerful Process

- 1RU, 6Gbps
- 6 Slots + 2 PSU
- CAS/BISS Encryption, Decryption
- Any input to Any output

Centralization

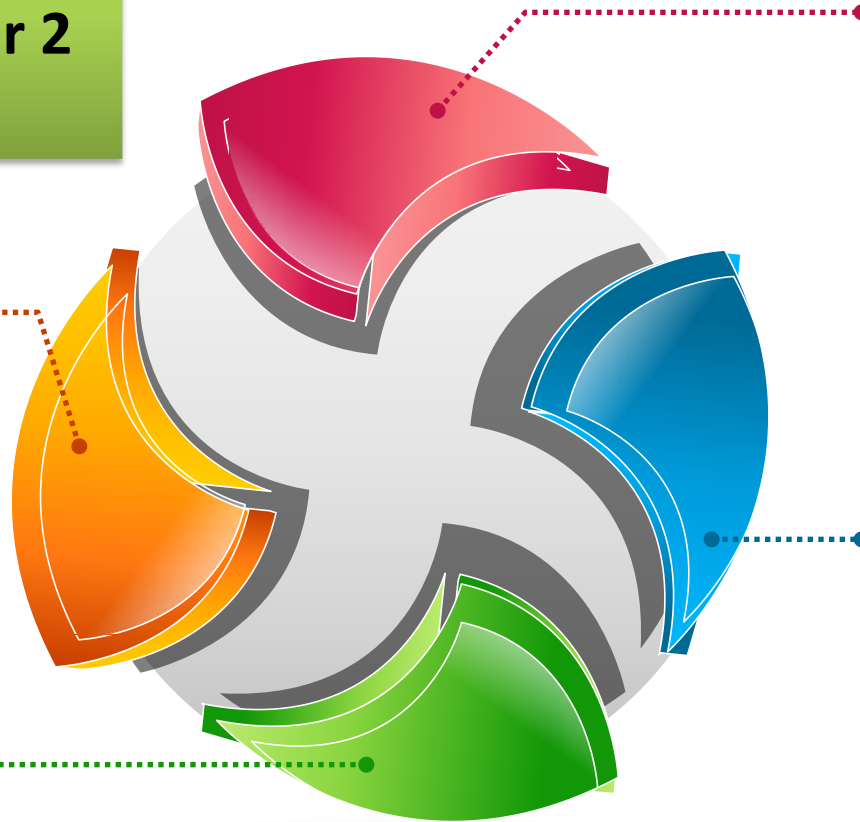
- TS Multiplexing
- SW Loading
- Device Management

Modularization

- 30 modules
- Standard interface
- Various functions
- Hot-swappable

License Control

- Function limit
- Time limit
- OEM control

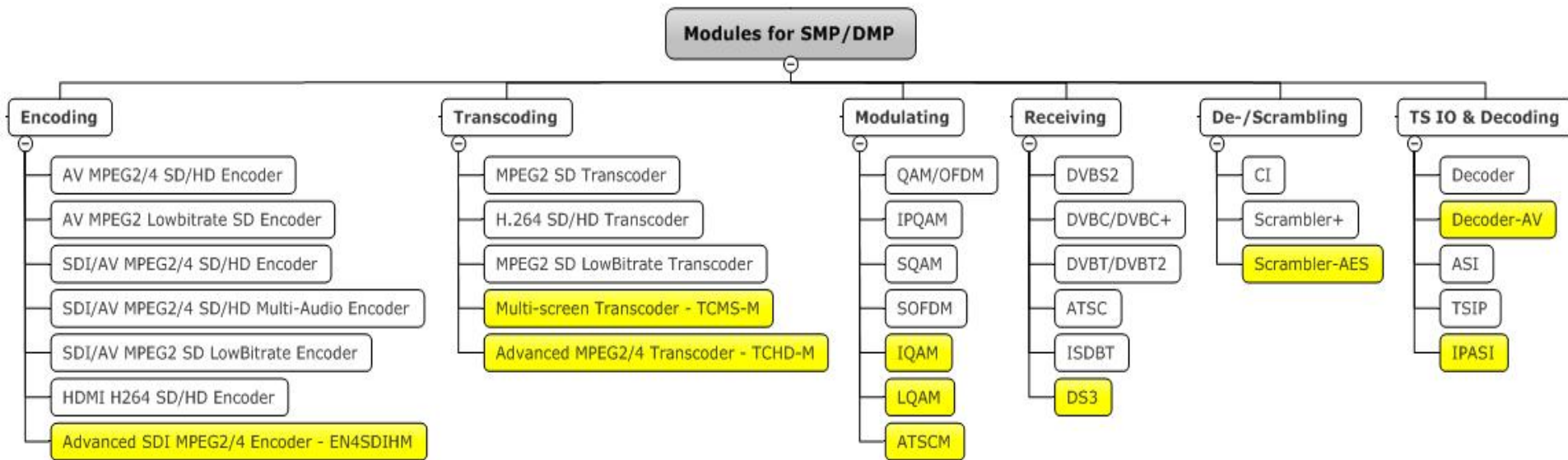


Chassis—DMP900



6 Slots + 2 PSU + 2 Fans

Modules - 1



Remark: not all the modules are list here, please find the details in Wellav's manual.

Modules-2

Receiving



- DVB-S2(4CH per module)
- DVB-C(4CH per module)
- DVB-T or DVB-T2(4CH per module)
- ATSC(4CH per module)
- ISDBT(4CH per module)
- DS3(4CH per module)

TS interface & decoding



- IP & ASI integrated module (64 TS In & 32 Out, 2xASI In or Out)
- Advanced TS over IP module(256 TS In & Out, UDP/RTP/RTSP/HLS)
- Decoding module for digital or analog output(2 HDMI/SDI or 4 CVBS)

Scrambling and de-scrambling



- Scrambling module for DVB(CAS) and IPTV(AES)
- CI module with 2 CAM slots

Encoding



- CVBS MPEG2 SD encoder(max. 4CH per module)
- CVBS MPEG2/4 low bit-rate SD encoder(max. 4CH per module)
- SDI SD/HD encoder(2CH per module)
- SDI low bit-rate SD encoder(2CH per module)
- SDI low bit-rate HD encoder(1CH)
- HDMISD/HD encoder(max. 4CH per module)

Transcoding



- MPEG2 SD transcoder(max. 4CH per module)
- H.264 SD/HD transcoder(2xHD or 4xSD)
- MPEG2/4 SD low bit-rate transcoder(max.4CH per module)
- Multi-screen transcoder(2CH with up to six profile output per CH)
- Dense MPEG2/4 low bit-rate SD/HD transcoder(2xHD or 8xSD)

Modulating



- QAM/OFDM modulating(8xQAMs or 4xOFDMs, scrambling optional)
- LQAM module(4xQAMs, local frequency combination)
- IQAM module(max.16QAMs, non-adjacent frequencies)
- ATSC modulating(2CH)
- ISDBT modulating(future option)

Application-1

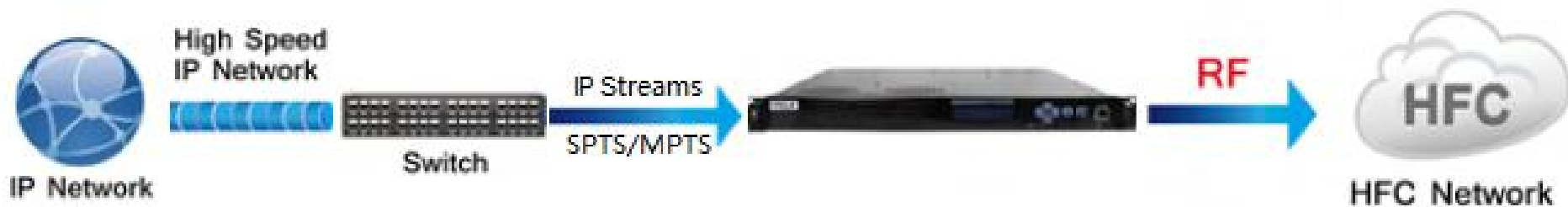
Content Contribution



With receiver, QAM or OFDM module in chassis, 1 DMP can transmodulate up to 16 DVB-S2/T/T2 channels to QAM or OFDM signal directly. It's especially suitable for HITS, hotel, community and other SMATV.

Application-2

Program Distribution



With TSIP, Scrambler, IQAM modules in chassis, DMP can serve as EdgeQAM to ingest up to 500 IP SPTS streams and multiplex, scramble, modulate them to 32 non-adjacent QAM output channels. It's especially suitable for content distribution through IP network from central head-end to remote location.

Application-3

Analog to Digital (multi-function in DMP)



With various encoder modules in chassis, DMP can serve as encoding cluster to import program resource via AV/SDI/HDMI input and IP/ASI output to digital system. Thanks to modulator modules, it can work as channel inserter to help operate add new services based on current RF network easily.

Thanks !

