

# DMP900

## Digital Media Platform



- ◎ Reliable Design
- ◎ Any Input / Any Output
- ◎ High Density
- ◎ Module-based
- ◎ Hot Swappable Redundancy
- ◎ Future Upgrading

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## Introduction

- ▶ DMP900 is a powerful, platform-based and multipurpose video-processing product targeted for the most video delivery requirements.
- ▶ Equipped with six hot-swappable modules, DMP900 can support almost any video delivery requirement with any combination of receiving de-scrambling/transcoding, re-multiplexing/grooming, scrambling, modulation and IP/ASI turn around for service providers.
- ▶ With built-in service/stream level redundancy, monitoring and grooming functions, DMP900 can integrate with any video solutions/systems and support 24 hours non-stop operation for years to come.

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## Key Features

- ▶ Dense modular design: 1 RU with 6 hot-swappable module slots
- ▶ Supports up to 6 Gbps TS stream multiplexing/grooming
- ▶ Stream/Port/Service level redundancy
- ▶ Supports EIT multiplexing (optional) and PSI/SI table edition/insertion (both DVB and ATSC standard)
- ▶ Hot swappable and dual redundant power supply design
- ▶ Multiple configuration/monitoring tools: Web-UI NMS and SNMP
- ▶ Supports WMS (Wellav's centralized manager with N+M equipment-level redundancy)
- ▶ Easy upgrade to new technologies with only module replacement
- ▶ Low power consumption and high reliability with MTBF (Mean Time Between Failure)  $\geq 100,000$  Hours

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## Applications

DMP900 is typically used for these applications:

- ▶ Broadcasting, primary/secondary distribution, video delivery, Telecom/IPTV/OTT.
- ▶ Up-link/down-link, content preparation/compression, digital turnaround, trans-modulation, IP-ASI gateway, program insertion, multi-screen delivery, etc.

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### Specifications

Chassis	
Capacity	6Gbps (approx. 1500 programs)
Slot Number	6 hot-swappable slots
Multiplexing	
Routing	Any input to any output
Table Supported	SI/PSI/PSIP
PID Processing	Pass-through, remapping, filtering
EIT Processing	Re-multiplexing and pass-through
External Data	EPG and SI insertion
Management	
Hardware Interface	1 x RJ45 (100Mbps)
User Interface	LED indicators
	LCD screen
	Front panel control
	Web UI & NMS
	SNMP (monitoring only)
	WMS1 (Wellav Centralized Manager for N+M backup, optional)
Physical & Environment	
Input Voltage	90~260 VAC
Dual Power Supply	Support, hot-swappable
Power Consumption	Max. 120W (fully loaded)
Chassis Dimension	480mm x 44mm x 490mm (WxHxD), 1RU
Operating Temperature	0 C~50 C
Storage Temperature	-10 C~70 C
Operating Humidity	<95%
MTBF	≥100,000 hours



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### Order Information

Model	Description
DMP900	Chassis with 6 slots
DMP900-01	48V DC version of DMP900
DVBS2	DVB-S/S2 receiving module (4CH, or 2CH with 16/32APSK), supports multi-stream receiving
DVBC	DVB-C receiving module (4CH, Annex A/C)
8VSB	8VSB/ATSC receiving module (4CH)
DVBT2	DVB-T2/T receiving module (4CH)
ISDBT	ISDB-T receiving module (4CH)
TSIP	TSIP module (2 x SFP+2 x RJ45, TS Qty.: 64In32Out, 16In256Out or 256Out)
TSIP+	Enhanced TSIP module (2 x SFP+2 x RJ45, TS Qty.: 256In256Out)
IPASI	2-in-1 IP/ASI module (2 x RJ45+2 x ASI, TSIP: 64In32Out)
DS3	DS3 module (4 x BNC, input or output configurable)
SWITCH	ASI switch module (5 CH)
CI	Descrambling module (2 CI slots, CAS or BISS options)
Scrambler+	Scrambling module (CAS, BISS or AES options)
IQAM	Non-adjacent QAM modulating module (max. 16CH, Annex A/C or B)
QAM	QAM modulating module (8CH@Annex A/C or 4CH@Annex B)
LQAM	QAM modulating module (4CH@Annex A/C, 1 or 2CH@Annex B, local RF combination)
OFDM	OFDM modulating module (4CH)
8VSBM	8VSB modulating module (2CH)
ISDBTM	ISDBT modulating module (1CH)
SQAM	QAM with scrambling (max. 8CH, Annex A/C)
SOFDM	OFDM with scrambling (4CH)
EN4AV-4M2B00	MPEG-2 or 4 SD CVBS encoding module (4 SD programs)
EN4SDI-2M2Axx	H.264 HD/SD or MPEG-2 SD SDI/CVBS encoding module (2CH, MPEG1L2, AC-3, AAC options)
EN4HDMI-xM2Axx	H.264/MPEG-2 HDMI encoder (max. 4 x H.264 SD/HD or 4 x MPEG-2 SD, MPEG1L2, AAC, AC-3 options)
EN4SDI-2M2B00	MPEG-2/4 SD SDI/CVBS encoder (2CH, MPEG1L2, new)
EN2SDI-2Hxx	MPEG-2/4 HD/SD SDI/CVBS encoder (2CH, MPEG1L2, AAC, AC-3 options)
EN4SDIHM	H.264/MPEG-2 SDI low-bitrate HD/SD encoder (1 HD or 2 SD, multiple audio per service)
EN5-1U/4H	1CH UHD or 4CH HD HEVC/H.265 encoding module (4x SDI, 1 x HDMI, new )
TC4-2M2Axx	Transcoder to 2 x H.264 SD/HD or MPEG-2 SD (MPEG1L2, AAC, AC-3 options)
TC4-4M2Axx	Transcoder to 2 x H.264 HD or 4 x MPEG-2/4 SD (MPEG1L2, AAC, AC-3 options)
TC4-2M2B00	Transcoder to 2 x H.264/MPEG-2 SD (MPEG1L2)
TC4-4M2B00	Transcoder to 4 x H.264/MPEG-2 SD (MPEG1L2)
TCHD-M	Low bitrate transcoder to H.264/MPEG-2 HD/SD programs (2CH HD-to-HD or 8CH SD-to-SD)
TCMS-M	Multi-screen low-bit transcoder (2CH, with up to 7 profiles per channel)
Decoder	2-SD&HD SDI&HDMI decoder module
Decoder-AV	4 x CVBS decoder

\*All the modules are not listed here due to page limitation, please find us if you can't find or need more details.

