

APPLICATIONS

- Digital cinema
- DCP storage and distribution
- Live event Distribution

FEATURES

- DVB-S or DVB-S2
- Single 10TB HDD
- Support for Digital Cinema Content Distribution System
- Datacast XD included
- Net Manager addressable
- Web browser interface
- QPSK/8SPK/16APSK/32APSK Demodulation
- 2 Ethernet ports
- LMS vendor compatibility
- BISS Decryption
- Supports live event distribution and live events



MAP PRO CINEMA CACHE SERVER

DCP & Live Event Receiver

Designed for high-speed Digital Cinema Package (DCP) distribution via satellite and internet, the **MAP Pro Cinema Cache Server (MAP-PCCS)** can meet the demands of DCP file delivery and transfer, as well as provide live event distribution.

Designed to meet the demands of digital cinema, the **MAP Pro Cinema Cache Server (MAP-PCCS)** maintains the highest possible throughput for DCP movie reception and transfer to the theatre management system. The ideal store-and-forward server for DCP distribution.

The **MAP Pro Cinema Cache Server (MAP-PCCS)** has established itself as an industry leader. It provides multiple integration options for automated DCP verification and delivery of DCP content to most library management systems (LMS) and theatre Management Systems (TMS).

A Complete Digital Cinema Content Distribution System

The **Pro Cinema Cache Server (MAP-PCCS)** is part of IDC's Digital Cinema Content Distribution System which provides an end-to-end solution for DCP ingest, transmission and publishing.

Datacast XD Content Delivery

The **MAP Pro Cinema Cache Server (MAP-PCCS)** includes IDC's Datacast XD for high-speed guaranteed file delivery including application FEC and file reconstruction features built-in.

DCP Storage

Available with ten (10) terabytes of storage in a compact 1RU form factor, the receiver provides high-density storage for DCPs.

Wide Variety of Inputs

L-Band (DVB-S or DVB-S2) IP transport, and IP-over-Ethernet provide multiple connectivity options.

Flexible Configurations

The **Pro Cinema Cache Server (MAP-PCCS)** can be deployed in either a one-way satellite or a hybrid satellite or IP configuration. Additionally, the MAP-PCCS can be configured for the delivery of live events (alternative content) via satellite transmission.





Rear Panel

RF INPUT	
Frequency Range	950 to 2150 MHz
Frequency Tuning Steps	Synthesized 1 Hz steps
AFC Range (drift tracking)	± 10% Symbol Rate up to ± 2 MHz
Maximum Input Level	-35 to -65 dBm
Connector	Type-F, female
Impedance	75 ohms, unbalanced
LNB DC Power	+ 18 VDC maximum (horizontal polarity), or + 13 VDC at 500 mA (vertical polarity) center conductor positive, short circuit protected
LNB Requirement	• DRO type for high symbol rates, stability ± 2 MHz max • PLL type for low symbol rates, stability ± 25 kHz max
Diagnostics	RF input signal level, Es/No (C/N), Margin to threshold, Modulation, and FEC.
DVB-S	
FEC Type	DVB concatenated, Viterbi and Reed-Solomon
MODCOD	QPSK 1/2, 2/3, 3/4, 5/6, 7/8
Roll-off	35%
Symbol Rate	0.128-675 MBaud
DVB-S2	
MODCOD	Concatenated, LDPC and BCH QPSK 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10 8PSK 3/5, 2/3, 3/4, 5/6, 8/9, 9/10 16APSK 2/3, 3/4, 4/5, 5/6, 8/9, 9/10 32APSK 3/4, 4/5, 5/6, 8/9, 9/10
Roll-off	20%, 25%, 35%
Symbol Rate	0.128 - 675 MBaud
Gold Code - PLS	0 to 262143

DVB-S2X Compatibility	
MODCOD (CCM & VCM only)	Concatenated, LDPC and BCH QPSK 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10 8PSK 3/5, 2/3, 3/4, 5/6, 8/9, 9/10 16APSK 2/3, 3/4, 4/5, 5/6, 8/9, 9/10 32APSK 3/4, 4/5, 5/6, 8/9, 9/10
Roll-off	5%, 10%, 15%, 20%, 25%, 35%
Symbol Rate	0.128-675 MBaud
IP Distribution	
Error and data loss protection	MISTIQ Zixi
Hosting	Cloud or On-premises.
HDD STORAGE	
Storage	Single 10TB HDDD
VIDEO	
Interface	HDMI/Subtitles & Close Captions
Format	1920x1080 @ 50 FPS 720x576 @ 50 FPS
POWER REQUIREMENTS	
Supply Voltage	100 to 240 VAC, +6%, -10%, 50 or 60 Hz
Power Consumption	180 Watts maximum
PHYSICAL PARAMETERS	
Chassis	EIA - 1RU
Dimensions (H, W, D)	4.5/9.0 cm x 48 cm x 36cm (1.75/3.5" x 19" x 14")
Weight	5.4 - 6.8 kg (12 - 15 lbs.)
ENVIRONMENTAL CONDITIONS	
Operating Temperature	0° to 45° C (32° to 113° F)
Storage Temperature	-20° to 70° C (-4° to 158° F)
Humidity	Maximum 90% relative, non-condensing