

DIS-2/M Multi-D HD

Decoder Module, 1× IP Channel, 1080p, Integrated Audio and Video Storage

Decoder



The **DIS-2/M Multi-D HD** is an audio and video decoder with integrated audio and video storage. It is able to receive audio and video streams in various encodings via an Ethernet network (unicast or multicast), to decode, and to output them in real-time over its BNC or HDMI interface. In addition, it is able to simultaneously save the received live stream on the internal hard disk. The evaluation of the saved live stream on a workstation via Ethernet (e.g. with SMAVIA Viewing Client or SeMSy® III) is possible at any time.

The **DIS-2/M Multi-D HD** is designed for the installation and operation in a 19" module rack. In case of a service, the DIS-2/M Multi-D HD modules can be exchanged quickly and easily (hot-plug functionality).

Features

- 1× IP audio and video channel
- Supports network cameras by Dallmeier and third-party suppliers
- Supports Dallmeier network cameras with integrated motion detection and SmartFinder
- Supports Dallmeier recorders, including track access via SeMSy® III
- Supported video formats: MPEG-2, MPEG-4, H.264
- Supported audio formats: MPEG-1 Layer 2, G.711
- Supported frame rate: up to 50 fps / 60 fps
- Supported resolutions: SD, HD (720p, 1080i, 1080p)
- Supported bit rate: up to 16 Mbps (constant or dynamic)
- Simultaneous decoding, output and storage
- Fast display (short delay of less than 100 ms)
- BNC output SDTV (PAL/NTSC)
- HDMI output HDTV (SMPTE 296M, SMPTE 274M), Full HD
- Supports upscaling from SDTV to HDTV
- Configuration with web browser over Ethernet
- Evaluation of saved live streams with SMAVIA Viewing Client or SeMSy® III over Ethernet
- User administration integrated
- Linux operating system (proprietary and hardened) on flash memory

Variants	
002158	DIS-2/M Multi-D HD 550 Decoder module, without HDD, max. 1× HDD, 1× video channel, for module rack DIS-2/M BGT 550
002160	DIS-2/M Multi-D HD 700 Decoder module, without HDD, max. 2× HDD, 1× video channel, for module rack DIS-2/M BGT 700

Options	
000077	HDD 1000 GB, SATA, 3.5"
000084	HDD 2000 GB, SATA, 3.5"
002148	DIS-2/M BGT 550 Module rack (L550 mm × 3HU) for installation of up to 10× DIS-2 modules (variant 550), incl. power supply unit and fan
002150	DIS-2/M BGT 700 Module rack (L700 mm × 3HU) for installation of up to 10× DIS-2 modules (variant 700), incl. power supply unit and fan

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Specifications

Video IN

Video channels	1× IP audio and video channel (SD-IP/ HD-IP)
Supported cameras	Network cameras by Dallmeier and third-party suppliers Dallmeier network cameras with integrated motion detection and SmartFinder
Supported recorders	Dallmeier recorders with live and track access via SeMSy® III
Supported video formats	MPEG-2, MPEG-4, H.264
Supported audio formats	MPEG-1 Layer 2, G.711
Supported frame rate	Up to 50 fps / 60 fps
Supported resolution	SD, HD (720p, 1080i, 1080p)
Supported bit rate	Up to 16Mbps (constant or dynamic)

Video OUT

Video OUT BNC	Video standard SDTV (PAL/NTSC)
Video OUT HDMI	Video standard HDTV (SMPTE 296M, SMPTE 274M), Full HD Upscaling from SDTV to HDTV

Integrated Functions

Operating mode	Simultaneous decoding, output and storing Simultaneous live display and evaluation with SMAVIA Viewing Client or SeMSy® III over Ethernet
Motion detection	–
SmartFinder	–
User administration	Integrated

Software

Operating system	Linux (proprietary, hardened)
Application	Dallmeier DIS decoder software
Application language	English, German, French, Spanish, Italian (others on request)
External management software	SMAVIA Viewing Client, SeMSy® III
External configuration software	Web browser

Hardware

Flash module	1× (for operating system only)
Hard disks	Max. 2× 3.5" HDD (optional)
Max. storage capacity	Currently up to 4 TB

Interfaces

Video OUT	1× HDMI 1× BNC, CVBS
Audio OUT	1× 3.5mm phone jack (stereo)
Ethernet	1× RJ45, 10/100 Mbps
Ethernet protocols	IPv4, TCP, UDP, ARP, ICMP, DHCP, NTP, HTTP, RTSP, IGMP V2, RTP, RTCP
Serial	1× RS232, RJ12

Electrical Data

Voltage supply	12V AC ±5%
Power consumption	Max. 25W
Thermal output	Max. 85BTU/h

Mechanical Data

Dimensions (W × H × D)	Approx. 41 × 129 × 378 mm, variant 550 (approx. 1.6 × 5.1 × 14.8 inches) Approx. 41 × 129 × 538 mm, variant 700 (approx. 1.6 × 5.1 × 21.2 inches)
Weight	Approx. 2.5kg, variant 700 with 2× HDD (5.5lb)

Ambient Data

Temperature	+5°C up to +40°C (41°F up to 104°F)
Recommended temperature	+20°C up to +25°C (68°F up to 77°F)
Humidity	5–70% RH, non-condensing
Atmospheric load	Dust-free

Approvals and Certifications

Type	CE, UL, CB, LGC Forensics
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Dimensions

