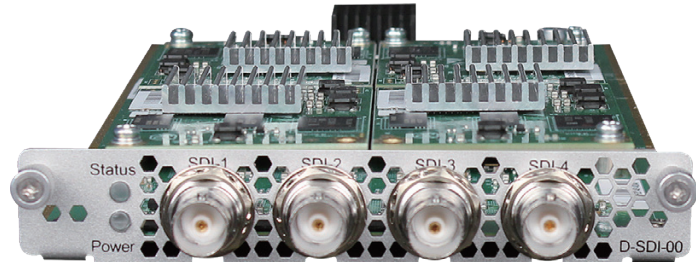


OHD6-SDI-00 4-CH SDI HD/SD Decoder Module



OHD6-SDI-00 is a 4-channel decoding module for the OmniHub platform. It decodes 4 programs of MPEG2, H.264 or H.265 (SD / HD or UHD) content and outputs them on four separate SDI outputs. The content is ingested into the Omnihub chassis (Omnihub 6 or 16) via various input cards and or streams.

KEY FEATURES

- Dense design with 4 independent decoder engines for each module
- Support H.265/H.264/MPEG-2 UHD/HD/SD decoding
- Support up to 1080P60 outputs
- Support downscale from 4K to HD/SD resolution

TECHNICAL SPECIFICATIONS

Video/Audio Decoding

Channel	4 channels of UHD/HD/SD programs decoding
SD/HD/3G-SDI Output	4 x BNC, 75Ω
Video Profile/ Levels	MPEG-2 SD 4:2:0 MP@ML MPEG-2 HD 4:2:0 MP@ML H.264 SD MP@L3 H.264 HD MP@L4.1/HP@L4.1 H.265 Main/Main 10 profile@L5.1 High-tier AVS-P 16(AVS+) AVS2 P2 10-bit Profile @Level 8.2.60
Output Format	720x576i@25 720x480i@29.97,30 720x480p@50,59.94,60 1280x720p@50,59.94,60 1920x1080i@25,29.97,30 1920x1080p@25,30,50,59.94,60

Video/Audio Decoding

Downscale	4K to HD/SD, HD to SD
Aspect Ratio	16:9 or 4:3
Audio Channel	2 x audio pairs for each channel
Audio Code	Mpeg-1 Layer II Dolby Digital/AC-3 Dolby Digital Plus/E-AC3 AAC-LC, HE-AAC, HE-AACv2
Audio Mode	Stereo, Mono*, AC3 5.1 Pass-Through*
Volume Level	0-100%
Sample Rate	48KHz
SDI ANC Data	Closed Captions (CEA/EIA-708)
DVB Subtitle	DVB subtitle burning (ETSI EN 300 743)*

* Future Feature

ORDER INFORMATION

Model	Description
OHD6-SDI-00	4-CH SDI H.265/H.264/MPEG-2 UHD/HD/SD decoder module, support AC3/AAC/MPEG1-L2 audio decoding, Closed Caption