

## mDECK Standard Series



### Overview

mDECK Standard Series is the ultimate professional media deck appliance to record, ingest, transcode and play four FHD video streams in Avid, OP1a, QT, MP4, XDCAM, XDCAM EX, XAVC, FLV, HLS, MPEG-DASH, WebM, MPEG-TS, Matroska, NDI and IMF formats. It supports file-based and baseband contents simultaneously and it is able to perform hybrid operations. This makes it a great choice for multiple media operations in IT and video networks.

In addition, it also includes redundant power supply, 6TB of storage and 4 video inputs or outputs of 3G-SDI.

mDECK Standard Series is the most advanced and flexible video server available in COTS and therefore is very convenient for the most modern hybrid workflows.

### Product Highlights

<p>Internal Asset Management</p> <ul style="list-style-type: none"> <li>• Search</li> <li>• Proxy generation</li> <li>• Rough cut</li> <li>• Metadata management</li> <li>• Logging</li> </ul>	<p>File playback - multiple simultaneous plays</p> <ul style="list-style-type: none"> <li>• Composition play</li> <li>• Loop playback</li> <li>• Instant play</li> <li>• Scheduled play</li> <li>• Remote preview</li> </ul>
<p>Baseband Ingest - multiple simultaneous records</p> <ul style="list-style-type: none"> <li>• Multicamera recording</li> <li>• Loop recording</li> <li>• Crash recording</li> <li>• Scheduled recording</li> <li>• Batch recording</li> </ul>	<p>File Ingest - multiple simultaneous transcodes</p> <ul style="list-style-type: none"> <li>• Card ingest</li> <li>• Growing files ingest</li> <li>• Scheduled ingest</li> <li>• Batch ingest</li> <li>• Partial restore</li> <li>• Clip merge</li> <li>• Rough cut</li> <li>• Clip renaming</li> </ul>
<p>All media operations can simultaneously use the local storage and the network</p>	
<p>Full featured local and remote user interface (including on a touch screen for quick control)</p>	

### Available Options

- Simultaneous proxy generation
- Integration with social media
- Integration with OTT

**Note:** adding optional features might affect the number of simultaneous operations.

## Technical Specifications

Devices / Connectivity	INPUT		OUTPUT	
	Live	File	Live	File
OnPrem	SD-SDI 3G-SDI RTMP NDI UDP	XDCAM Panasonic IKEGAMI NextoDI CANON JVC GoPro ARRI ALEXA Avid Files	SD-SDI 3G-SDI RTMP NDI UDP	Avid Unity™ MediaNetwork Avid ISIS / Nexis FTP Servers (List on request) NAS / SAS (SMB 2.0 and 3.0) Facilis TerraBlock ScaleLogic DDP - Dynamic Drive Pool Quantum StorNext Generic File Shares And many others
Cloud	Social Media Sharing	Professional Cloud Storages Consumer Cloud Storages	Multiple bitrates for the OTT	Social Media Sharing Professional Cloud Storages Consumer Cloud Storages

## Input Formats

Input Formats	STANDARD MODELS			
	A	E	X	D
IMX 30/40/50 Mbps	X	X	X	X
MPEG2 LGOP 18/25/35 Mbps 4:2:0	X	X	X	X
MPEG2 LGOP 50/70 Mbps 4:2:2	X	X	X	X
MPEG2 LGOP 422 50 Mbps	X	X	X	X
MPEG2 LGOP 420 1440x1080 35 Mbps	X	X	X	X
MPEG2 LGOP 420 (FULL) 35 Mbps	X	X	X	X
DVCAM 25 Mbps	X	X	X	X
XAVC Intra 50 / 100 Mbps	X	X	X	X
XAVC Intra 300 / 300 VBR / 480 / 480 VBR Mbps	X	X	X	X
XAVC LGOP 25 / 35 / 50 Mbps	X	X	X	X
XAVC LGOP 60 / 100 / 140 / 150 / 200 Mbps	X	X	X	X
DVCPRO 25/50 Mbps / DVCPRO HD 100 Mbps	X	X	X	X
AVC-Intra 50 / 100 / 200 Mbps	X	X	X	X
AVC Ultra (LGOP 6/12/25/50 Mbps)	X	X	X	X
DNxHD (SQ/HQ/HQX/LB)	X	X	X	X
H.264 1080p 8 - 12 Mbps High Profile	X	X	X	X
H.264 720p 5 - 7.5 Mbps High Profile	X	X	X	X
H.264 480p 2.5 - 4 Mbps High Profile	X	X	X	X
H.264 360p 1 - 1.5 Mbps High Profile	X	X	X	X
H.264 1080p 3 - 9 Mbps High Profile (Live)	X	X	X	X
H.264 720p 1.5 - 6 Mbps High Profile (Live)	X	X	X	X
H.264 480p 0.5 - 2.0 Mbps High Profile (Live)	X	X	X	X
H.264 360p 0.4 - 1.0 Mbps High Profile (Live)	X	X	X	X
H.264 240p 0.3 - 0.7 Mbps High Profile (Live)	X	X	X	X
H.264 L10 10 Mbps	X	X	X	X
H.265/HEVC 10 / 25 / 50 / 100 Mbps LGOP	X	X	X	X
ProRes 422 (SQ/HQ/LT)	X	X	X	X
JPEG 2000 (Full HD)	X	X	X	X
Google® VP6 / VP7 / VP8 / VP9 (Full HD)	X	X	X	X
Uncompressed UYVY 422 / V210 / RGBA	X	X	X	X
AOMedia Video 1 (Full HD)	X	X	X	X
IMF (JPEG 2000 @ Full HD)	X	X	X	X

## Output Formats

Output Formats - HIRES	STANDARD MODELS			
	A	E	X	D
IMX 30/40/50 Mbps	X		X	
MPEG2 LGOP 18/25/35 Mbps 4:2:0	X		X	
MPEG2 LGOP 50/70 Mbps 4:2:2	X		X	
MPEG2 LGOP 422 50 Mbps	X		X	
MPEG2 LGOP 420 1440x1080 35 Mbps	X		X	
MPEG2 LGOP 420 (FULL) 35 Mbps	X		X	
DVCAM 25 Mbps	X			X
XAVC Intra 50 / 100 Mbps	X		X	
XAVC LGOP 25 / 35 / 50 Mbps	X		X	
DVCPRO 25/50 Mbps / DVCPRO HD 100 Mbps	X			X
AVC-Intra 50 / 100 / 200 Mbps	X			X
AVC Ultra (LGOP 6/12/25/50 Mbps)	X			X
DNxHD (SQ/HQ/HQX/LB)	X	X		
H.264 1080p 8 - 12 Mbps High Profile	X	X		
H.264 720p 5 - 7.5 Mbps High Profile	X	X		
H.264 480p 2.5 - 4 Mbps High Profile	X	X		
H.264 360p 1 - 1.5 Mbps High Profile	X	X		
H.264 1080p 3 - 9 Mbps High Profile (Live)	X	X		
H.264 720p 1.5 - 6 Mbps High Profile (Live)	X	X		
H.264 480p 0.5 - 2.0 Mbps High Profile (Live)	X	X		
H.264 360p 0.4 - 1.0 Mbps High Profile (Live)	X	X		
H.264 240p 0.3 - 0.7 Mbps High Profile (Live)	X	X		
H.264 L10 10 Mbps	X	X		
H.265/HEVC 10 / 25 / 50 / 100 Mbps LGOP	X	X		
ProRes 422 (SQ/HQ/LT)	X	X		
JPEG 2000 (Full HD)	X			
Google® VP6 / VP7 / VP8 / VP9 (Full HD)	X			
Uncompressed UYVY 422 / V210 / RGBA	X			
AOMedia Video 1 (Full HD)	X			
IMF (JPEG 2000 @ Full HD)	X			

## Proxy Formats

Output Formats - PROXY	STANDARD MODELS			
	A	E	X	D
H.264 @ 500 Kbps Flash	X	X	X	X
H.264 @ 1 / 1.5 Mbps Flash	X	X	X	X
H.264 720 480p @ 8 / 10 Mbps Flash	X	X	X	X
H.264 720p @ 15 / 20 / 25 Mbps Flash	X	X	X	X
H.264 854 480p @ 8 / 10 Mbps Flash	X	X	X	X
H.264 960 540p @ 3 Mbps Flash	X	X	X	X
H.264 1080p @ 15 / 20 / 25 Mbps Flash	X	X	X	X
H.264 SD @ 4 / 8 / 15 / 20 / 25 Mbps	X	X	X	X
H.264 480p @ 0.5 - 2 Mbps High Profile (Live)	X	X	X	X
H.264 360p @ 0.4 - 1 Mbps High Profile (Live)	X	X	X	X
H.264 240p @ 0.3 - 0.7 Mbps High Profile (Live)	X	X	X	X
ProRes Proxy 1920x1080	X	X		
ProRes Proxy 1280x720	X	X		
ProRes Proxy 960x540	X	X		
ProRes Proxy SD (16:9 Raster)	X	X		
ProRes Proxy SD	X	X		
MPEG-1 (layer 2) @ 1.5 Mbps	X	X	X	X
Avid MPEG-2 (SIF @ 2Mbps)	X	X	X	X
H.263 (interplay Web)	X	X	X	X
H.264 Interplay Web (800 Kbps and 2 Mbps)	X	X	X	X
Sony Proxy AV (MPEG-4 Part-2) @1.5 Mbps	X	X	X	X

## Server Options

This dell server can support FHD/HD/SD video recorders for the following media operations: record, ingest, transcode, playback, stream, encode and decode.

It includes redundant power supply and 6TB of local storage.

Features	Specs
Platform	DeLL R440
GPU	Nvidia P620
Video	miniDUO2
Storage	6TB
Connectivity	1x IDRAC Network Interface, 2x 1Gb Eth, 1x RS232, 2x RS422, 4x mini displayPort, 2x VGA, 4x DIN 1.0/2.3 I/O, 1x Ref In, 1x micro USB, 2x USB 2.0, 2x USB 3.0 and 1x audio out
Temperature Specs	Storage -40°C to 65°C (-40°F to 149°F), Continuous operation 10°C to 35°C (50°F to 95°F)
Power Requirements	Dual 550W
Dimensions and Weight	1RU; 714.6x482x42.8mm (D,W,H); ~16Kg
Delivery Packaging	900x690x170mm (D,W,H), ~18Kg
What is Included	1x C13 to C14 power cord, static rails for 2/4-post racks, USB pen drive with system restore and user manuals