

mediaREC Software and Kits



Overview

mediaREC is a software application for IP Live and 3G-SDI that can support UHD/QFHD/FHD/HD/SD video gateways, to record four channels of 12G-SDI live video in Avid, OP1a, QT, MP4, XDCAM, XDCAM EX, XAVC, FLV, HLS, MPEG-DASH, WebM, MPEG-DASH WebM, MPEG-TS, Matroska, NDI and IMF formats.

Models

- Software
- Kit 4K AVC
- Kit 4K
- Kit HD
- Kit I

Note: IP Live is only available for the Kit I.

Product Highlights

- Baseband Ingest - multiple simultaneous records
 - Multicamera recording
 - Loop recording
 - Crash recording
 - Scheduled recording
 - Batch recording
- Gateway for multiple destinations of any storage, NAS or SAN
- Full featured remote and local user interface
- Multi-configuration metadata management
- Flexible file naming engine
- Enables edit while ingest
- Option for simultaneous proxy generation
- Optional integration with social media
- Optional integration with OTT
- Burnt-in options: text, timecode, overlays (images and videos) and LUT

Technical Specifications

Devices / Connectivity	INPUT	OUTPUT
	Live	File
OnPrem	SD-SDI HD-SDI UHD-SDI ** RTMP NDI HLS MPEG-TS IP Live *	Avid Unity™ MediaNetwork Avid ISIS / Nexis FTP Servers (List on request) Omneon MediaGrid™ 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	Social Media Sharing Professional Cloud Storages Consumer Cloud Storages OTT

* IP Live is only available for the Kit I

* Supported SMPTE standards: ST2022-7, ST2110-10, ST2110-20, ST2110-21, ST2110-30, ST2110-31 and ST2110-40

* Supported AMWA NMOS standards: IS-04, IS-05 and IS-08

** The UHD-SDI output is not available for the HD and I Kits.

Source	
Timecode	LTC (SMPTE 12M)
	VITC (SMPTE RP188)
	Time of Day
	From VTR (BVW) - Serial
	Timecode Gap Detection
Resolutions	PAL / PAL 16:9 / PAL Plus
	NTSC/ NTSC 16:9
	720p 50/60
	1440x1080p 25/30
	1440x1080i 50/60
	1920x1080p 24/25/30
	1920x1080i 50/60
2160p 30/60	

Output Formats - HIRES	MODELS				
	Software	4K AVC Kit	4K Kit	HD Kit	I Kit
IMX 30/40/50 Mbps	X	X	X	X	X
MPEG2 LGOP 18/25/35 Mbps 4:2:0	X	X	X	X	X
MPEG2 LGOP 50/70 Mbps 4:2:2	X	X	X	X	X
DVCAM 25 Mbps	X	X	X	X	X
XAVC Intra 50 / 100 Mbps	X	X	X	X	X
XAVC Intra 300 / 300 VBR / 480 / 480 VBR Mbps	X	X			
XAVC LGOP 25 / 35 / 50 Mbps	X	X	X	X	X
XAVC LGOP 60 / 100 / 140 / 150 / 200 Mbps	X	X			
DVCPRO 25/50 Mbps / DVCPRO HD 100 Mbps	X	X	X	X	X
AVC-Intra 50/100 Mbps	X	X	X	X	X
AVC-Intra 200 Mbps	X	X			
AVC Ultra (LGOP 6/12/25/50 Mbps)	X	X	X	X	X
DNxHD (SQ/HQ/HQX/LB)	X	X	X	X	X
DNxHR (SQ/HQ/HQX/LB)	X	X	X		
H.264 2160p 35 - 68 Mbps High Profile	X	X	X		
H.264 1440p 16 - 24 Mbps High Profile	X	X	X		
H.264 1080p 8 - 12 Mbps High Profile	X	X	X	X	X
H.264 720p 5 - 7.5 Mbps High Profile	X	X	X	X	X
H.264 480p 2.5 - 4 Mbps High Profile	X	X	X	X	X
H.264 360p 1 - 1.5 Mbps High Profile	X	X	X	X	X
H.264 2160p 13 - 51 Mbps High Profile (Live)	X	X	X		
H.264 1440p 6 - 18 Mbps High Profile (Live)	X	X	X		
H.264 1080p 3 - 9 Mbps High Profile (Live)	X	X	X	X	X
H.264 720p 1.5 - 6 Mbps High Profile (Live)	X	X	X	X	X
H.264 L10 10 Mbps	X	X	X	X	X
H.265/HEVC 10 Mbps LGOP	X	X	X	X	X
H.265/HEVC 25 Mbps LGOP	X	X	X	X	X
H.265/HEVC 50 Mbps LGOP	X	X	X	X	X
H.265/HEVC 100 Mbps LGOP	X	X	X	X	X
H.265/HEVC 4K 25 Mbps LGOP	X	X	X		
H.265/HEVC 4K 50 Mbps LGOP	X	X	X		
H.265/HEVC 8K 25 Mbps LGOP	X	X	X		
H.265/HEVC 8K 50 Mbps LGOP	X	X	X		
H.265/HEVC 8K 100 Mbps LGOP	X	X	X		
ProRes 422 (SQ/HQ/LT)	X	X	X	X	X
ProRes 4444	X	X	X		
JPEG 2000 (Full HD/4K/8K)	X	X	X		
Google® VP6 / VP7 / VP8 / VP9 (Full HD)	X	X	X	X	X
Uncompressed UYVY 422 / V210 / RGBA	X	X	X	X	X
AOMedia Video 1 (Full HD/4K/8K)	X	X	X		
IMF (JPEG 2000 @ Full HD/4K/8K)	X	X	X		

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