



Technical specifications

The audiovisual materials (spot), required by Digima, destined for use by the automatic encoding format used in digital projectors 2K Projection film, must comply with the following technical specifications for delivery.

- Video and audio must be merged into only one file
- Video part may be send in two different type:
 1. SD (Standard Definition)
 2. HD (High Definition)

Digima suggests the production of spot in HD format to have more appropriate quality of the result of projection with 2K systems.

The content for the conversion must have the technical specifications below:

File: one file, not zipped

Compression: HD or SD video format must be not compressed (.mov, .avi) or compressed with video codec in "Document A"

Bit Rate: range 25 - 50 Mbit/sec

FrameRate: 24p (very important!)

HD Parameter

Resolution: 1920x1080
280x720
Aspect ratio: 16:9 (DCI 1,77)

SD Parameter

Resolution: 720x576
Aspect ratio: 16:9

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Capitale Sociale I.V. €30.000,00



Linear audio not compressed:

Bit rate: 768 Kbit/sec
Sampling rate: 48.0 KHz
Resolution: 16 bits
Audio level: 82 Leq
Audio Stereo Format: 2 channels LR
Audio 5.1 Format: 6 channels
1. front center channel
2. front left channel
3. front right channel
4. low frequency enhancement-subwoofer
5. rear left channel
6. rear right channel

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Document A: Audio/Video codec

Video Supported Codec

4X Movie
8088flex TMV
8SVX exponential
8SVX fibonacci
A64 multicolor

American Laser Games MM

AMV Video

ANSI/ASCII art A

Apple MJPEG-B
Apple QuickDraw
Asus v1
Asus v2
ATI VCR1
ATI VCR2
Auravision Aura

Auravision Aura 2

Autodesk Animator Flic video

Autodesk RLE

AVS (Audio Video Standard) video

Beam Software VB

Bethesda VID video
Bink Video
Bitmap Brothers JV video

Audio Supported Codec

8SVX audio
AAC
AC-3
ADPCM 4X Movie
ADPCM CDROM XA

ADPCM Creative Technology

ADPCM Electronic Arts

DPCM Electronic Arts Maxis CDROM XS

ADPCM Electronic Arts R1
ADPCM Electronic Arts R2
ADPCM Electronic Arts R3
ADPCM Electronic Arts XAS
ADPCM G.722
ADPCM G.726
ADPCM IMA AMV

ADPCM IMA Electronic Arts EACS

ADPCM IMA Electronic Arts SEAD

ADPCM IMA Funcom

ADPCM IMA QuickTime

ADPCM IMA Loki SDL MJPEG

ADPCM IMA WAV
ADPCM IMA Westwood
ADPCM ISS IMA

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Brute Force & Ignorance	ADPCM IMA Duck DK3
C93 video	ADPCM IMA Duck DK4
CamStudio	ADPCM Microsoft
CD+G	ADPCM MS IMA
Chinese AVS video	ADPCM Nintendo Gamecube THP
Delphine Software International CIN video	ADPCM QT IMA
Cinepak	ADPCM SEGA CRI ADX
Cirrus Logic AccuPak	ADPCM Shockwave Flash
Creative YUV (CYUV)	ADPCM SMJPEG IMA
DFA	ADPCM Sound Blaster Pro 2-bit
Deluxe Paint Animation	ADPCM Sound Blaster Pro 2.6-bit
DNxHD	ADPCM Sound Blaster Pro 4-bit
Duck TrueMotion 1.0	ADPCM Westwood Studios IMA
Duck TrueMotion 2.0	ADPCM Yamaha
DV (Digital Video)	AMR-NB
Feeble Files/ScummVM DXA	AMR-WB
Electronic Arts CMV video	Apple lossless audio
Electronic Arts Madcow video	Atrac 1
Electronic Arts TGV video	Atrac 3
Electronic Arts TGQ video	Bink Audio
Electronic Arts TQI video	Delphine SW International CIN audio
Escape 124	COOK
FFmpeg video codec #1	DCA (DTS Coherent Acoustics)
Flash Screen Video v1	DPCM id RoQ
Flash Screen Video v2	DPCM Interplay

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Flash Video (FLV)	DPCM Sierra Online
Fraps	DPCM Sol
H.261	DPCM Xan
H.263/H.263-1996	DSP Group TrueSpeech
H.263+/H.263-1998/H.263 version 2	DV audio
H.264/AVC/MPEG-4AVC/MPEG-4 part 10	Enhanced AC-3
H.264/AVC/MPEG-4 AVC/MPEG-4 part10 (VDP AU acceleration)	FLAC (Free Lossless Audio Codec)
HuffYUV	GSM
HuffYUV FFmpeg variant	GSM Microsoft variant
IBM Ultimotion	IMC (Intel Music Coder)
id Cinematic video	MACE (Macintosh Audio Compression/Expansion) 3:1
id RoQ video	MACE (Macintosh Audio Compression/Expansion) 6:1
IFF ILBM	MLP (Meridian Lossless Packing)
IFF ByteRun1	Monkey's Audio
Intel H.263	MP1 (MPEG audio layer 1)
Intel Indeo 2	MP2 (MPEG audio layer 2)
Intel Indeo 3	MP3 (MPEG audio layer 3)
Intel Indeo 5	MPEG-4 Audio Lossless Coding (ALS)
Interplay C93	Musepack SV7
Interplay MVE video	Musepack SV8
Karl Morton's video codec	Nellymoser Asao
Kega Game Video (KGV1)	PCM A-law
Lagarith P	CM mu-law

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LCL (LossLess Codec Library) MSZH	PCM 16-bit little-endian planar
LOCO	PCM 32-bit floating point big-endian
lossless MJPEG	PCM 32-bit floating point little-endian
Microsoft RLE	PCM 64-bit floating point big-endian
Microsoft Video 1	PCM 64-bit floating point little-endian
Mimic	PCM D-Cinema audio signed 24-bit
Miro VideoXL	PCM signed 8-bit
MJPEG (Motion JPEG)	PCM signed 16-bit big-endian
Mobotix MxPEG video	PCM signed 16-bit little-endian
Motion Pixels video	PCM signed 24-bit big-endian
MPEG-1 video	PCM signed 24-bit little-endian
MPEG-1/2 video XvMC (X-Video Motion Compensation)	PCM signed 32-bit big-endian
MPEG-1/2 video (VDPAU acceleration)	PCM signed 32-bit little-endian
MPEG-2 video	PCM signed 16/20/24-bit big-endian in MPEG-TS
MPEG-4 part 2	PCM unsigned 8-bit
MPEG-4 part 2 Microsoft variant version 1	PCM unsigned 16-bit big-endian
MPEG-4 part 2 Microsoft variant version 2	PCM unsigned 16-bit little-endian
MPEG-4 part 2 Microsoft variant version 3	PCM unsigned 24-bit big-endian
Nintendo Gamecube THP video	PCM unsigned 24-bit little-endian
NuppelVideo/RTjpeg	PCM unsigned 32-bit big-endian

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On2 VP3	PCM unsigned 32-bit little-endian
On2 VP5	PCM Zork
On2 VP6	QCELP / PureVoice
VP8	QDesign Music Codec 2
planar RGB	RealAudio 1.0 (14.4K)
Prores	RealAudio 2.0 (28.8K)
Q-team QPEG	RealAudio 3.0 (dnet)
QuickTime 8BPS video	RealAudio SIPR / ACELP.NET
QuickTime Animation (RLE) video	Shorten
QuickTime Graphics (SMC)	Sierra VMD audio
QuickTime video (RPZA)	Smacker audio
R10K AJA Kona 10-bit RGB Codec	SMPTE 302M AES3 audio
R210 Quicktime Uncompressed RGB 10-bit	Sonic
Raw Video	Sonic lossless
RealVideo 1.0	True Audio (TTA)
RealVideo 2.0	TrueHD
RealVideo 3.0	TwinVQ (VQF flavor)
RealVideo 4.0	Vorbis
Renderware TXD (TeXture Dictionary)	WavPack
RL2 video	Westwood Audio (SND1)
Sierra VMD video	Windows Media Audio 1
Smacker video	Windows Media Audio 2
SMPTE VC-1	Windows Media Audio Pro
Snow	Windows Media Audio Voice
Sony PlayStation MDEC (Motion DECoder)	

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Sorenson Vector Quantizer 1
Sorenson Vector Quantizer 3
Sunplus JPEG (SP5X)
TechSmith Screen Capture Codec
Theora
Tiertex Limited SEQ video
V210 Quicktime Uncompressed 4:2:2 10-bit
VMware Screen Codec / VMware Video
Westwood Studios VQA (Vector Quantized Animation) video
Windows Media Image
Windows Media Video 7
Windows Media Video 8
Windows Media Video 9
Wing Commander III / Xan
Wing Commander IV / Xan
Winnov WNV1
WMV7
YAMAHA SMAF
Psygnosis YOP Video
ZLIB
Zip Motion Blocks Video

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