

COMPARISON GUIDE

T2™ IDDR INPUT/OUTPUT FORMAT LIST

Input formats

○: Supported, ▲: Partially supported, X: Not supported

| Container | Video | Audio | Post-import format | | | |
|------------------|------------------------------|------------------------------------|--------------------|---------------------|--------------------|--------|
| | Format | Format | Native | AVI (HQ) conversion | Rewrap MXF (OP-1a) | Unpack |
| AVI | Grass Valley HQ | Linear PCM | ○ | — | — | — |
| | Grass Valley HQX*1 | Linear PCM | X | ○ | — | — |
| | DV | Linear PCM | ○ | ○ | — | — |
| | DVCPRO 25 | | | | | |
| | DVCPRO 50 | | | | | |
| | DVCPRO HD | | X | | | |
| | Uncompressed YUV | | | | | |
| | Uncompressed RGB | | | | | |
| | Grass Valley Lossless | | | | | |
| MXF | Grass Valley HQ | Linear PCM | ○ | ○ | — | — |
| | Grass Valley HQX | | X | ○ | | |
| | AVC-Intra 50 | Linear PCM/Alaw | ○ | ○ | | |
| | AVC-Intra 100 | | | | | |
| | D10 | | | | | |
| | DV | | | | | |
| | DVCPRO 25 | | | | | |
| | DVCPRO 50 | | | | | |
| | DVCPRO HD | | | | | |
| | JPEG 2000 | | X | ○ | | |
| | MPEG-2 | | ○ | ○ | | |
| AVCHD | H.264/AVC | Dolby Digital (AC-3)/Linear PCM | ○ | ○ | — | — |
| P2 | DV | Linear PCM (48 kHz, 16-bit/24-bit) | ○ | ○ | ○ | — |
| | DVCPRO 25 | | | | | |
| | DVCPRO 50 | | | | | |
| | DVCPRO HD | | | | | |
| | AVC-Intra 50 | | | | | |
| | AVC-Intra 100 | | | | | |
| XDCAM (VFAM/FAM) | HD 422 (50 Mb/s) | 8 channels AES3/Linear PCM/A-law | ○ | ○ | — | — |
| | HD (35 Mb/s) | | | | | |
| | HD (25 Mb/s) | | | | | |
| | HD (18 Mb/s) | | | | | |
| | DV | | | | | |
| | IMX | | | | | |
| XDCAM EX | HD (35 Mb/s) HD (25 Mb/s) | Linear PCM (48 kHz, 16-bit) | ○ | ○ | — | — |
| GF | DV | Linear PCM (48 kHz, 16-bit/24-bit) | ○ | ○ | X | — |
| | DVCPRO 25 | | | | | |
| | DVCPRO 50 | | | | | |
| | MPEG-2 | | | | | |

*1 When importing AVI (Grass Valley HQX), the file will be automatically converted to AVI (Grass Valley HQ).

T2 IDDR INPUT/OUTPUT FORMAT LIST (CONT.)

Input formats

○: Supported, ▲: Partially supported, X: Not supported

| Container | Video | Audio | Post-import format | | | |
|---------------|--------------------------------|--|--------------------|---------------------|--------------------|--------|
| | Format | Format | Native | AVI (HQ) conversion | Rewrap MXF (OP-1a) | Unpack |
| Windows Media | Windows Media Video | Windows Media Audio | X | ○ | — | — |
| QuickTime | DV | AAC/ Apple Lossless/ MP3/ADPCM/Alaw/ U-law/ Linear PCM | X | ○ | — | — |
| | DVCPRO 25 | | | | | |
| | DVCPRO 50 | | | | | |
| | DVCPRO HD | | | | | |
| | H.264 (QuickTime Video (avc1)) | | | | | |
| | ProRes 422 | | | | | |
| | ProRes 422 HQ | | | | | |
| | ProRes 422 Proxy | | | | | |
| | ProRes 4444 | | | | | |
| | JPEG 2000 | | | | | |
| | Animation | | | | | |
| | MPEG-4 | | | | | |
| | Photo JPEG | | | | | |
| | PNG | | | | | |
| | Uncompressed YUV Sans | | | | | |
| | QuickTime Video (mp4v) | | | | | |
| | Uncompressed 10-bit | | | | | |
| | Uncompressed 10-bit YUV | | | | | |
| | QuickTime Video (rpza) | | | | | |
| | QuickTime Video (cvid) | | | | | |
| | Motion JPEG A | | | | | |
| | Motion JPEG B | | | | | |
| | Sorenson Video 3 | | | | | |
| | Uncompressed RGB | | | | | |
| | Grass Valley HQ | | | | | |
| | Grass Valley HQX | | | | | |
| MPEG-2 | MPEG-2 | MPEG-1 Audio Layer-2/ Dolby Digital (AC-3)/ Linear PCM | X | ○ | — | — |
| GXF*2 | MPEG-2 | Linear PCM/Alaw | X | — | ○ | — |
| | D10 | | | | | |
| | DV | | | | | |
| | DVCPRO25 | | | | | |
| | DVCPRO50 | | | | | |
| | DVCPRO HD | | | | | |
| | AVC-Intra 50 | | | | | |
| | AVC-Intra 100 | | | | | |

*2 T2 Classic does not support these formats

T2 IDDR INPUT/OUTPUT FORMAT LIST (CONT.)

Input formats

○: Supported, ▲: Partially supported, X: Not supported

| Container | Video | Audio | Post-import format | | | |
|-------------|--------|--------|--------------------|---------------------|--------------------|--------|
| | Format | Format | Native | AVI (HQ) conversion | Rewrap MXF (OP-1a) | Unpack |
| Still image | | — | ▲ | ○ | — | — |
| TWF | | | X | X | — | ○ |

Sources imported to T2 can be exported in “Post-export format” in the table.

Output formats

○: Supported, X: Not supported

| Container | Video | Audio | Post-export format | | | |
|-------------|------------------------------|------------------------------------|--------------------|-------------|--------------------------|-----|
| | Format | Format | AVI (HQ) | MXF (XDCAM) | Native (except AVI (HQ)) | TWF |
| AVI | Grass Valley HQ | Linear PCM | ○ | ○*3 | — | ○ |
| MXF | Grass Valley HQ | Linear PCM | ○ | X | — | ○ |
| | AVC-Intra 50 | Linear PCM/Alaw | ○ | X | ○ | ○ |
| | AVC-Intra 100 | | | | | |
| | D10 | | | | | |
| | DV | | | | | |
| | DVCPRO 25 | | | | | |
| | DVCPRO 50 | | | | | |
| | DVCPRO HD | | | | | |
| | MPEG-2 | | | | | |
| AVCHD | H.264/AVC | Dolby Digital (AC-3)/Linear PCM | X | X | ○ | ○ |
| P2 | DV | Linear PCM (48 kHz, 16-bit/24-bit) | X | X | ○ | ○ |
| | DVCPRO 25 | | | | | |
| | DVCPRO 50 | | | | | |
| | DVCPRO HD | | | | | |
| | AVC-Intra 50 | | | | | |
| | AVC-Intra 100 | | | | | |
| XDCAM | HD 422 (50 Mb/s) | 8 channels AES3/Linear PCM/A-law | X | X | ○ | ○ |
| | HD (35 Mb/s) | | | | | |
| | HD (25 Mb/s) | | | | | |
| | HD (18Mb/s) | | | | | |
| | DV | | | | | |
| XDCAM EX | IMX | | | | | |
| | HD (35 Mb/s) HD (25 Mb/s) | Linear PCM (48 kHz, 16-bit) | X | X | ○ | ○ |
| GF | DV | Linear PCM (48 kHz, 16-bit/24-bit) | X | X | ○ | ○ |
| | DVCPRO 25 | | | | | |
| | DVCPRO 50 | | | | | |
| | MPEG-2 | | | | | |
| Still image | | — | — | — | ○ | ○ |
| Playlist | | | ○ | ○ | — | ○ |

*3 You can export Grass Valley HQ AVI files by converting them to the following formats:

- MXF format (XDCAM HD422) (1920x1080 59.94i/50i/29.97p/25p 50 Mb/s)
- MXF format (XDCAM IMX) (720x486 59.94i, 720x576 50i)
- MXF format (XDCAM HD) (1440x1080 59.94i/50i/29.97p/25p/23.98p 25 Mb/s)
- MXF format (XDCAM DV) (720x486 59.94i, 720x576 50i)

ABOUT GRASS VALLEY

Grass Valley is changing the way live television is made and delivered. Recognized with 18 Emmy® awards for technology innovation, Grass Valley's product portfolio—from image acquisition to playout—offers a complete end-to-end workflow of flexible, forward thinking solutions which enable broadcasters and content owners to build multiscreen, multiplatform futures. By simplifying and enhancing the way content is produced and distributed, Grass Valley gives customers the freedom they need to be creative in the studio, the field, and the newsroom. Merging optimizations of IT technologies with best-in-breed media systems, Grass Valley's next generation solutions deliver higher quality

and greater efficiencies. Customers include world-leading broadcasters, teleproduction facilities, service providers, government, religious, educational, corporate, and independent video professionals. Grass Valley is headquartered in Hillsboro, OR, and maintains local presence across the globe with offices throughout North and Latin America, Europe, the Middle East, and Asia-Pacific regions.

For information about Grass Valley solutions and services, please visit: www.grassvalley.com.

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