

iTX Supported Media Types

iTX uses software-based decoders that support a wide range of media types. Since it is not practical for OmniBus to test every possible media format variant, the information below should be used as a guide to known, supported formats in iTX 1.2 or later versions as noted.

The use of MPEG-2 is advised if a choice of formats is available, as this offers the widest compatibility with iTX and is the most common format in use by existing customers. Whenever possible, sample media files should be sent to OmniBus for validation testing.



SUPPORTED VIDEO CODECS

- MPEG-2 - I-Frame or Long GOP, All profiles/levels including 422P@HL up to 80Mbps
- DV (DV25/50)
- MPEG4/H.264 SD (HD in iTX v1.3)
- Windows Media 9/VC-1

SUPPORTED CONTAINERS/WRAPPERS

- MPEG2 - Program Stream/Transport Stream/VOB Format
- MXF - OP1A (single file) or OP1B (reference file with separate essence files) containing DV25/50 or MPEG2
- QuickTime MOV containing DV25/50, H.264 (SD), MPEG2 - including referenced MOVs with separate essence files
- AVI - OpenDML format containing DV. Since AVI is such a

widely-used wrapper, other variants should be submitted to OmniBus for verification of support.

- WMV (Limited support)
 - Sample files should be submitted to OmniBus for verification of support.

SUPPORTED VIDEO SERVER FORMATS/TYPES

- Quantel MXF
- Seachange MXF
- Omneon Spectrum/MediaDeck MOV
- Omneon Spectrum MXF (OP1A/OP1B)
- Grass Valley GXF
- Pinnacle MediaStream
- Sony XDCAM

VIDEO RESOLUTIONS

iTX Channel Setting	Standard	Output Video Format	Output Aspect Ratio	Supported Media Resolutions (Proprietary video server resolutions may differ)
1080i	NTSC	1080i 29.97fps	16:9	1920x1080 , 1920x1088 (Active Picture + VANC data)
1080i	PAL	1080i 25fps	16:9	1920x1080 , 1920x1088 (Active Picture + VANC data)
720p	NTSC	720p 59.94fps	16:9	1280x720 , 1280,740 (Active Picture + VANC data)
720p	PAL	720p 60fps	16:9	1280x720 , 1280,740 (Active Picture + VANC data)
D1	NTSC	480i 29.97fps	4:3	720x480 , 720x508 (Active Picture + VANC data)
D1	PAL	576i 25fps	4:3	720x576 , 720x598 (Active Picture + VANC data)
D1 Wide	NTSC	480i 29.97fps	16:9	720x480 , 720x508 (Active Picture + VANC data)
D1 Wide	PAL	576i 25fps	16:9	720x576 , 720x598 (Active Picture + VANC data)