

# T3 SERIES

## Intelligent Dynamic Digital Recorder



iDDR T3™ is a powerful and versatile recorder/player designed to streamline video production workflows across various industries. It supports the optimization of video production processes, enhances efficiency and facilitates the creation of high-quality content. T3 is well-suited for a wide range of applications including broadcast stations, CATV, post-production facilities, educational institutions, corporate environments and live events.

### Overview

#### 1. All-in-One Solution: Streamline your workflow with a comprehensive feature set.

T3 is a robust all-in-one system integrating recording, playback and transcoding functionalities. Its high scalability allows customization to meet specific workflow needs. Operable as a standalone unit, T3 simplifies setup and operation, contributing to overall production efficiency.

#### 2. Multiformat Support: Handle any footage with ease, from 4K to SD.

T3 supports a comprehensive range of formats from 4K (both DCI and UHD) to SD, offering seamless up/down conversion capabilities. This ensures a seamless workflow in multiformat environments, providing flexibility and efficiency when using various format types.

#### 3. Optimized File Workflow: Versatile codecs and file conversion capabilities.

T3 supports a wide array of file formats and codecs, offering flexible file conversion capabilities. It supports up to two channels of 4K recording/playback (Grass Valley® HQX) and up to three channels of HD recording/playback (Sony XAVC HD, Sony XDCAM, Apple ProRes, Avid DNxHD and Grass Valley HQX). Additionally, it supports Sony XAVC QFHD Intra Class 300 recording/playback (optional, depending on the model) and uncompressed video recording/playback (up to one channel, depending on model). The inclusion of high-speed M.2 NVMe SSDs ensures fast and reliable data access.

#### 4. Limitless Possibilities with System Integration: Remote control and highly expandable interfaces.

T3 integrates with a wide range of external devices such as RS-422, GPIO, AMP, VDCP and LTC timecode, enabling remote control and collaboration. Compatibility with switchers and controllers makes it ideal for live events, broadcast/CATV applications, and beyond. System integration maximizes T3's capabilities.

#### 5. Built for Demanding Environments: Robust chassis and intuitive operation.

T3 features a robust chassis designed to withstand rigorous environments such as live events. Compared to the T2 4K series, it offers a 20% reduction in depth, enhancing its compactness. Intuitive operation via touchscreen and jog/shuttle controls ensures swift and easy deployment for all users.

#### 6. Safe and Secure Operation: Maintenance mode for optimal performance.

In addition to standard operation modes, T3 provides a dedicated maintenance mode for tasks including process log management, data initialization, backup and restore, and firmware updates. This ensures T3 operates at optimal performance levels, supporting safe and secure workflows.

## Key Features

### Recorder/Player

- 4K (2160p) video recording support (4K: 2 in 0 out mode)
- 4K (2160p) video playback support (4K: 0 in 2 out mode)
- 4K (2160p) video recording and playback support (4K: 1 in 1 out mode)
- HD (1080p) video recording support (HD: 3 in 0 out mode)
- HD (1080p) video recording and playback support (HD: 1 in 2 out mode, HD: 2 in 1 out mode)
- HD (1080p) video playback support (HD: 0 in 3 out mode)
- Key/Fill (Alpha) video playback support
- Synchronized playback across 2 channels for key/fill rolls, edge blending, multiscreen displays, and 3D applications
- Chasing playback while recording
- Real-time cross conversion support among 720p, 1080p/i and 4K
- Direct recording to an external media/storage device
- Scheduled recording
- Ancillary data recording and playback
- E-to-E mode
- Video monitor output and on-screen display
- Next Preview for monitoring the next clip event in a playlist
- NDI IP input/output support

### Import/Export

- Native import/playback for most standard formats
- Supports multiple codec formats (transcoding to Grass Valley HQX AVI) for most standard and broadcast formats
- FTP transfer rate limited to maintain playback performance
- Watch folder transfers
- Export to Sony XDCAM drive (PDW-U1/PDW-U2)

### Editing

- Direct access to an internal media folder with EDIUS and the ability to edit a growing file – AVI (Grass Valley HQX) and MXF (Grass Valley HQX/Apple ProRes/Avid DNxHR/Avid DNxHD/XDCAM)
- Export a growing AVI (Grass Valley HQX) file via CIFS
- Export a growing MXF (Grass Valley HQX/Apple ProRes/Avid DNxHR/Avid DNxHD/XDCAM) file via FTP/CIFS
- Import from Final Cut Pro in QuickTime format using the free Grass Valley HQ codec for Mac onto an exFAT storage device
- Convert and CIFS export from AVI (Grass Valley HQX) to MXF (Grass Valley HQX/Apple ProRes/Avid DNxHR/Avid DNxHD/XDCAM) or MOV (Apple ProRes/Avid DNxHR/Avid DNxHD)

### Front Panel

- Easy-to-use front panel interface and jog/shuttle

### Workstation

- Workstation mode included as standard
- Immediate playback of clip events from a playlist (on-the-fly playback) and playback speed control
- Simple on-the-fly editing, including trimming, mark in/out, markers with comments, basic transition effects and insertion of placeholders for playlists
- Transition effect (cross dissolve) when manually switching to another clip event in a playlist
- Keyboard shortcuts and mouse customization on workstation

### Remote

- Synchronized playback using LTC input (timecode chasing)
- Synchronized playback for multiple T3s using GPI input/RS-422 (BVW)
- Integration support for third-party control (BVW, VDCP, GPIO and AMP)

### Device

- SDI embedded audio (8 channels)
- Robust design – engineered to withstand demanding live event and mobile production environments
- ASIO audio input/output support
- Redundant power supply
- Media slots – SD card x2, 2.5-inch SSD x2

### Maintenance

- Full data backup and restore feature
- Monitoring using watchdog timer (hardware/software)

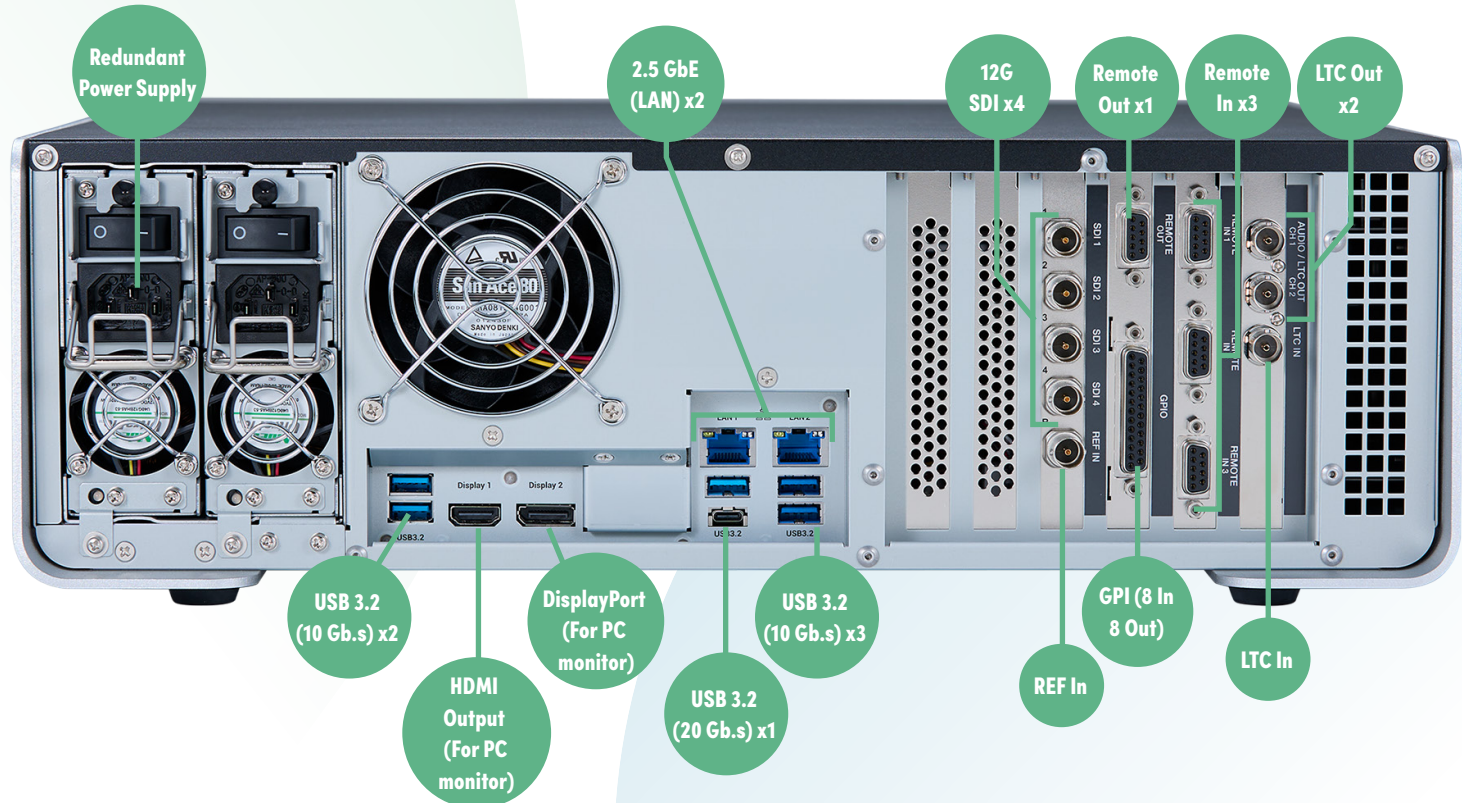
### Max License

- Uncompressed video recording/playback (available depending on the model)
- XAVC recording/transcoding (available depending on model)
- H.264 codec board acceleration (optional, available depending on model)



Workstation mode.





I/O Mode	T3 Elite	T3 Elite Max
4K DCI / 4K UHD		2 in 0 out 1 in 1 out 0 in 2 out
HD / SD		3 in 0 out 2 in 1 out 1 in 2 out 0 in 3 out

Note: The number of streams for each input and output in I/O Mode represents the maximum value, and there may be limitations depending on combinations of resolution, codec and other factors.

Video Input Formats	T3 Elite	T3 Elite Max
<b>Resolution / Framerate</b>		
4K DCI		4096 x 2160 (60p/59.94p/50p) 4096 x 2160 (30p/29.97p/25p/24p/23.98p)
4K UHD		3840 x 2160 (60p/59.94p/50p) 3840 x 2160 (30p/29.97p/25p/24p/23.98p)
HD (1920 x 1080)		1920 x 1080 (60p/59.94p/50p) 1920 x 1080 (30p/29.97p/25p/24p/23.98p) 1920 x 1080 (59.94i/50i/24PsF/23.98PsF)
HD (1440 x 1080)		1440 x 1080 (29.97p/25p/24p/23.98p) 1440 x 1080 (59.94i/50i/24PsF/23.98PsF)
HD (1280 x 720)		1280 x 720 (60p/59.94p/50p)
SD		720 x 486 59.94i, 720 x 576 50i

Video Output Formats	T3 Elite	T3 Elite Max
<b>Resolution / Framerate</b>		
4K DCI		4096 x 2160 (60p/59.94p/50p) 4096 x 2160 (30p/29.97p/25p/24p/23.98p)
4K UHD		3840 x 2160 (60p/59.94p/50p) 3840 x 2160 (30p/29.97p/25p/24p/23.98p)
HD (1920 x 1080)		1920 x 1080 (60p/59.94p/50p) 1920 x 1080 (30p/29.97p/25p/24p/23.98p) 1920 x 1080 (59.94i/50i/24PsF/23.98PsF)
HD (1280 x 720)		1280 x 720 (60p/59.94p/50p)
SD		720 x 486 59.94i, 720 x 576 50i

Recording Formats		T3 Elite		T3 Elite Max		T3 Elite Max + HW Option	
			Up to		Up to		Up to
<b>4K DCI / 4K UHD</b>							
AVI	Grass Valley HQX	✓	2 in	✓	2 in	✓	2 in
	Uncompressed (YUV/10bit YUV)	✗	–	✓	1 in	✓	1 in
MXF	Grass Valley HQX	✓	2 in	✓	2 in	✓	2 in
	Apple ProRes (422 HQ/422/422 LT/422 Proxy)	✓	1 in	✓	1 in	✓	1 in
	Avid DNxHR (HQ/SQ/LB)	✓	1 in	✓	1 in	✓	1 in
	XAVC 4K Intra (Class480/Class300)	✗	–	✓	1 in	✓	1 in
	XAVC QFHD Intra (Class480/Class300)	✗	–	✓	1 in	✓	2 in
	XAVC QFHD Long422 (200/140/100)	✗	–	✗	–	✓	2 in
	XAVC QFHD Long (150/100/60)	✗	–	✓	1 in	✓	2 in
<b>HD / SD</b>							
AVI	Grass Valley HQX	✓	3 in	✓	3 in	✓	3 in
	Uncompressed (YUV/10bit YUV)	✗	–	✓	3 in	✓	3 in
MXF	Grass Valley HQX	✓	3 in	✓	3 in	✓	3 in
	Apple ProRes (422 HQ/422/422 LT/422 Proxy)	✓	3 in	✓	3 in	✓	3 in
	Avid DNxHD 220x	✓	3 in	✓	3 in	✓	3 in
	Avid DNxHD (220/145/100/36)	✓	3 in	✓	3 in	✓	3 in
	XDCAM (HD422/HD/IMX/DV)	✓	3 in	✓	3 in	✓	3 in
	XAVC HD Intra (Class100/Class50)	✗	–	✓	3 in	✓	3 in
	XAVC HD Long422 (50/35/25)	✗	–	✓	3 in	✓	3 in

Note: The maximum number of streams that can be recorded simultaneously may be limited depending on combinations of I/O mode, resolution, codec and other factors.

Note: The HW Option requires the installation of the optional H.264 codec board KTR5-HW-H264-S2.

Playback Formats		T3 Elite	T3 Elite Max	T3 Elite Max + HW Option			
		Up to	Up to	Up to			
<b>4K DCI / 4K UHD</b>							
AVI	Grass Valley HQX	✓	2 out	✓	2 out	✓	2 out
	Grass Valley Lossless	(Transcode)	—	✓	1 out	✓	1 out
	Uncompressed (YUV/10-bit YUV)	(Transcode)	—	✓	1 out	✓	1 out
MXF	Grass Valley HQX	✓	2 out	✓	2 out	✓	2 out
	Apple ProRes 4444	(Transcode)	—	(Transcode)	—	(Transcode)	—
	Apple ProRes (422 HQ/422/422 LT/422 Proxy)	✓	1 out	✓	1 out	✓	1 out
	Avid DNxHR 444	(Transcode)	—	(Transcode)	—	(Transcode)	—
	Avid DNxHR HQX	✓	1 out	✓	1 out	✓	1 out
	Avid DNxHR (HQ/SQ/LB)	✓	1 out	✓	1 out	✓	1 out
	H.264/AVC	✓	1 out	✓	1 out	✓	1 out
QuickTime	Grass Valley HQX	✓	2 out	✓	2 out	✓	2 out
	Apple ProRes 4444	(Transcode)	—	(Transcode)	—	(Transcode)	—
	Apple ProRes (422 HQ/422/422 LT/422 Proxy)	✓	1 out	✓	1 out	✓	1 out
	Avid DNxHR 444	(Transcode)	—	(Transcode)	—	(Transcode)	—
	Avid DNxHR HQX	✓	1 out	✓	1 out	✓	1 out
	Avid DNxHR (HQ/SQ/LB)	✓	1 out	✓	1 out	✓	1 out
MP4	H.264/AVC	✓	1 out	✓	1 out	✓	1 out
XAVC	XAVC 4K Intra (Class480/Class300)	✓	1 out	✓	1 out	✓	1 out
	XAVC QFHD Intra (Class480/Class300)	✓	1 out	✓	1 out	✓	2 out
	XAVC QFHD Long422 (200/140/100)	✓	1 out	✓	1 out	✓	2 out
	XAVC QFHD Long (150/100/60)	✓	1 out	✓	1 out	✓	2 out
XAVC S	H.264/AVC	✓	1 out	✓	1 out	✓	1 out
P2	AVC-Intra 4K 422	✓	1 out	✓	1 out	✓	1 out
Windows Media	Windows Media Video	(Transcode)	—	(Transcode)	—	(Transcode)	—
Still Image	Targa, Windows Bitmap, JPEG, TIFF, PNG, GIF, DPX	(Transcode)	—	(Transcode)	—	(Transcode)	—
<b>HD / SD</b>							
AVI	Grass Valley HQX, Grass Valley HQ	✓	3 out	✓	3 out	✓	3 out
	DVCPRO HD, DVCPRO50, DVCPRO25, DV	✓	3 out	✓	3 out	✓	3 out
	Grass Valley Lossless	(Transcode)	—	✓	3 out	✓	3 out
	Uncompressed (YUV/10-bit YUV)	(Transcode)	—	✓	3 out	✓	3 out
MXF	Grass Valley HQX, Grass Valley HQ	✓	3 out	✓	3 out	✓	3 out
	Apple ProRes 4444	✓	3 out	✓	3 out	✓	3 out
	Apple ProRes (422 HQ/422/422 LT/422 Proxy)	✓	3 out	✓	3 out	✓	3 out
	Avid DNxHD 220x	✓	3 out	✓	3 out	✓	3 out
	Avid DNxHD (220/145/100/36)	✓	3 out	✓	3 out	✓	3 out
	DVCPRO HD, DVCPRO50, DVCPRO25, DV, D10/IMX	✓	3 out	✓	3 out	✓	3 out
	H.264/AVC	✓	3 out	✓	3 out	✓	3 out
	MPEG-2	✓	3 out	✓	3 out	✓	3 out
	JPEG2000	(Transcode)	—	(Transcode)	—	(Transcode)	—

Playback Formats		T3 Elite		T3 Elite Max		T3 Elite Max + HW Option	
			Up to		Up to		Up to
QuickTime	Grass Valley HQX, Grass Valley HQ	✓	3 out	✓	3 out	✓	3 out
	Apple ProRes 4444	✓	3 out	✓	3 out	✓	3 out
	Apple ProRes (422 HQ/422/422 LT/422 Proxy)	✓	3 out	✓	3 out	✓	3 out
	Avid DNxHD 220x	✓	3 out	✓	3 out	✓	3 out
	Avid DNxHD (220/145/100/36)	✓	3 out	✓	3 out	✓	3 out
	XDCAM (HD422/HD)	✓	3 out	✓	3 out	✓	3 out
	XDCAM EX	✓	3 out	✓	3 out	✓	3 out
	DVCPRO HD, DVCPRO50, DVCPRO25, DV	(Transcode)	–	(Transcode)	–	(Transcode)	–
	H.264/AVC, MPEG-4	(Transcode)	–	(Transcode)	–	(Transcode)	–
	Motion JPEG	(Transcode)	–	(Transcode)	–	(Transcode)	–
	Uncompressed	(Transcode)	–	(Transcode)	–	(Transcode)	–
MP4	H.264/AVC	✓	3 out	✓	3 out	✓	3 out
XDCAM	XDCAM (HD422/HD/IMX/DV)	✓	3 out	✓	3 out	✓	3 out
	XDCAM EX	✓	3 out	✓	3 out	✓	3 out
XAVC	HD Intra (200/100/50)	✓	3 out	✓	3 out	✓	3 out
	HD Long422 (50/35/25)	✓	3 out	✓	3 out	✓	3 out
XAVC S	H.264/AVC	✓	3 out	✓	3 out	✓	3 out
P2	AVC-LongG (50/25/12)	✓	3 out	✓	3 out	✓	3 out
	AVC-Intra (200/100/50)	✓	3 out	✓	3 out	✓	3 out
	DVCPRO HD, DVCPRO50, DVCPRO, DV	✓	3 out	✓	3 out	✓	3 out
AVCHD	H.264/AVC	✓	3 out	✓	3 out	✓	3 out
MPEG-2	PS, TS	(Transcode)	–	(Transcode)	–	(Transcode)	–
Windows Media	Windows Media Video	(Transcode)	–	(Transcode)	–	(Transcode)	–
GXF	Grass Valley HQ, MPEG-2 (Intra Frame), H.264/AVC (Intra Frame), DVCPRO HD, DVCPRO50, DVCPRO, DV	(Rewrap to MXF)	–	(Rewrap to MXF)	–	(Rewrap to MXF)	–
Still Image	Targa, Windows Bitmap, JPEG, TIFF, PNG, GIF, DPX	(Transcode)	–	(Transcode)	–	(Transcode)	–

Note: Media files marked with ✓ can be imported in their native format or converted to Grass Valley HQX (AVI) during the import process.

Note: Media files labeled with (Transcode) will be automatically converted to Grass Valley HQX (AVI) during the import process.

Note: Media files labeled with (Rewrap to MXF) will be rewrapped into an MXF container during the import process.

Note: The maximum number of streams that can be played simultaneously may be limited depending on combinations of I/O Mode, resolution, codec and other factors.

Note: The HW Option requires the installation of the optional H.264 codec board KTR5-HW-H264-S2.

Transcoding Export Formats		T3 Elite	T3 Elite Max	T3 Elite Max + HW Option
MXF	Grass Valley HQX	✓	✓	✓
	Apple ProRes (422 HQ/422/422 LT/Proxy)	✓	✓	✓
	Avid DNxHR (HQ/SQ/LB)	✓	✓	✓
	Avid DNxHD (220x/220/145/100/36)	✓	✓	✓
	XDCAM HD422 (50 Mb/s)	✓	✓	✓
	XDCAM HD (35 Mb/s / 25 Mb/s / 18 Mb/s)	✓	✓	✓
	XDCAM IMX, DVCAM	✓	✓	✓
	XAVC 4K Intra (Class480/Class300)	✗	✓	✓
	XAVC QFHD Intra (Class480/Class300)	✗	✓	✓
	XAVC QFHD Long422 (200/140/100)	✗	✓	✓
	XAVC QFHD Long (150/100/60)	✗	✓	✓
	XAVC HD Intra (Class100/Class50)	✗	✓	✓
	XAVC HD Long422 (50/35/25)	✗	✓	✓
	QuickTime	Apple ProRes (422 HQ/422/422 LT/Proxy)	✓	✓
Avid DNxHR (HQ/SQ/LB)		✓	✓	✓
Avid DNxHD (220x/220/145/100/36)		✓	✓	✓

Note: Only "AVI (Grass Valley HQX)" files or "Playlist" can be transcoded or exported in the specified formats.

Note: The HW Option requires the installation of the optional H.264 codec board KTR5-HW-H264-S2.



Comparison	T3 Series		T2 4K Series		
	Elite	Elite Max	Elite	Pro	Express
Model Number	KTR5-ELT-40-PK	KTR5-ELT-40M-PK	KTR4A-ELT-CV40	KTR4A-PRO-CV40	KTR4A-EXP-CV40
Firmware Version	Version 4	Version 4	Version 3	Version 3	Version 3
Data storage	M.2 NVMe SSD	M.2 NVMe SSD	SSD	HDD	HDD
SDI	12G-SDI	12G-SDI	3G-SDI	3G-SDI	3G-SDI
Redundant PSU	✓	✓	✓	–	–
Media slots	✓	✓	✓	–	–
Network	2.5 Gb/s	2.5 Gb/s	1 Gb/s	1 Gb/s	1 Gb/s
USB	USB 3.2	USB 3.2	USB 3.0	USB 3.0	USB 3.0
4K recording (Grass Valley HQX)	Up to 2-ch (60p)	Up to 2-ch (60p)	Up to 1-ch (60p)	Up to 1-ch (60p)	Up to 1-ch (30p)
4K playback (Grass Valley HQX)	Up to 2-ch (60p)	Up to 2-ch (60p)	Up to 1-ch (60p)	Up to 1-ch (60p)	Up to 1-ch (30p)
4K chasing playback while recording (Grass Valley HQX)	✓	✓	–	–	–
HD recording	Up to 3-ch (60p)	Up to 3-ch (60p)	Up to 3-ch (60p)	Up to 3-ch (60p)	Up to 3-ch (30p/59.94i)
HD playback	Up to 3-ch (60p)	Up to 3-ch (60p)	Up to 3-ch (60p)	Up to 3-ch (60p)	Up to 3-ch (30p/59.94i)
HD chasing playback while recording	✓	✓	✓	✓	✓
Direct access to an internal media folder	✓	✓	✓	–	–
NDI IP recording/playback	✓	✓	✓	✓	✓
Max License	–	Included	–	–	–
Sony XAVC QFHD recording	–	✓	–	–	–
Sony XAVC QFHD playback	✓	✓	Transcode	Transcode	Transcode
Sony XAVC transcoding	–	✓	–	–	–
Uncompressed video recording	–	✓	–	–	–
Uncompressed video playback	Transcode	✓	Transcode	Transcode	Transcode
H.264 Codec board acceleration*1	–	✓	–	–	–
Dimensions (W x D x H)	430 x 450 x 140 mm (16.9 x 17.7 x 5.5 in.)		430 x 550 x 140 mm (16.9 x 21.6 x 5.5 in.)		

\*1 Available exclusively for Max license models and requires installation of the optional H.264 codec board KTR5-HW-H264-S2.

Specifications		T3 Elite	T3 Elite Max	
Storage	System	240 GB (2.5" SATA3 SSD)		
	Data	1.92 TB (M.2 NVMe SSD)		
Total Recording Duration*1	4K UHD (3840x2160) 59.94p @ Grass Valley HQX (1.2 Gb/s)		Approx. 3.5 hours	
	4K UHD (3840x2160) 29.97p @ Grass Valley HQX (600 Mb/s)		Approx. 7.5 hours	
	HD (1920x1080) 59.94p @ Grass Valley HQX (300 Mb/s)		Approx. 14 hours	
	HD (1920x1080) 59.94i @ Grass Valley HQX (150 Mb/s)		Approx. 28 hours	
	HD (1920x1080) 59.94i @ XDCAM HD422 (50 Mb/s)		Approx. 72 hours	
	HD (1440x1080) 59.94i @ XDCAM HD (35 Mb/s)		Approx. 150 hours	
Power supply unit		800W Redundant PSU		
Connector	Remote		RS-422A (D-Sub 9-pin) x4	
	Network		RJ-45 (2.5GBASE-T / 1000BASE-T / 100BASE-TX / 10BASE-T) x2	
	USB	Front	USB 3.2 Gen 1 (5 Gb/s) Type-A x2	
		Rear	USB 3.2 Gen 2 (10 Gb/s) Type-A x5 USB 3.2 Gen 2x2 (20 Gb/s) Type-C x1	
	PC display monitor output*2		HDMI 2.0b x1, DisplayPort 1.4a x1	
	Media Slots		2.5" SSD (Up to 9.5 mm thickness, SATA) x1, 2.5" SSD (7 mm thickness, SATA) x1, SD card (SDXC, UHS-II, microP2) x2	
Video Input	SDI		BNC x4 (12G-SDI: SMPTE ST 2082 / 2081 / 424 / 292 / 259-C)	
Video Output				
Audio Input	SDI		SDI embedded audio 8-ch (SMPTE ST 299 / 272-A, 20 / 24-bit, 48 kHz, locked)	
Audio Output	Monitor Output*3		BNC x2 (for L ch/R ch)	
	Headphone		Stereo jack x1	
Timecode	LTC Input		BNC x1	
	LTC Output*4		BNC x2 (2.0 Vp-p, low impedance)	
	VITC Input		Embedded SDI Input	
	VITC Output		Embedded SDI Output	
Reference	Input		BNC x1 (HD Tri-level/SD BB auto-detect)	
Remote Protocol		BVW (RS-422A), VDCP (RS-422A, Network), AMP (Network)		
GPI	Input		TTL Input x8, Low 0V - 0.8V / High 2.0V - 5.0V, External Current Sink : 1 mA	
	Output		Open Drain Output x8, Max Sink Current: 100 mA, Max Voltage: 30V	
Max License		Not Included	Included	
Features with Max License	Uncompressed video recording/playback		Enabled with Max License	
	XAVC recording/transcoding		Enabled with Max License	
	H.264 codec board acceleration		Optional	
Power (rated input voltage, frequency)		AC 100 - 240V, 50/60 Hz		
Electric power consumption		Up to 300W		
Operating temperature range		5°C to 35°C (41°F to 95°F)		
Operating relative humidity		Max. 80% (non-condensing)		
Dimensions (W x D x H)		430 x 450 x 140 mm (16.9 x 17.7 x 5.5 in.) (rubber feet and protrusions excluded)		
Weight		Approx. 14.3 kg (31.4 lbs.)		

\*1 The consecutive recording time is up to 24 hours at one time.

\*2 HDMI and DisplayPort cannot be used at the same time.

\*3 Shared with Timecode LTC Output.

\*4 Shared with Audio Monitor Output.

## Ordering

### T3 Elite

#### KTR5-ELT-40-PK

- UHD (up to 60p/50p) and HD 1080 (up to 60p/50p)
- 12G-SDI x4
- Media Slots
- Redundant Power Supply Unit

Note: This model cannot be equipped with the separately sold KTR5-HW-H264-S2.

### T3 Elite Max

#### KTR5-ELT-40M-PK

- UHD (up to 60p/50p) and HD 1080 (up to 60p/50p)
- 12G-SDI x4
- Media Slots
- Redundant Power Supply Unit
- Includes Max License

Note: This model, with the Max license, can be equipped with the separately sold KTR5-HW-H264-S2.

## Options – Hardware

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### H.264 Codec Board S2 for T3

#### KTR5-HW-H264-S2

- Matrox M264 S2

Note: This hardware option must be installed into the T3 unit on site by a reseller.

Note: To use this hardware option, it must be installed in the T3 unit with a Max license. If the T3 unit does not have a Max license, the hardware option will not work.

## Options – Accessories

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### T3 Rackmount Kit

#### iDDR2-RACK-W

Rackmount kit for T3 / T2 Series

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