

ORDERING INFORMATION:

P/N:
TF-TDR4-HD

APPLICATIONS:

- Aerial Refueling
- Rotorcraft
- General Aviation
- Law Enforcement
- Fire Authority
- EMS
- Automotive
- Applications
- Marine Applications
- Locomotive
- Pipe & Power Line
- Inspections
- Military & Defense
- Flight School
- SAR

Contact:
www.Techfury.com
Sales@techfury.com

TF-TDR4-HD : Four Channel HD- SDI / 3G-SDI Recorder & Streamer

FEATURES:

- Four Channel HD-SDI/3G-SDI Tactical Data, Video & Audio DVR
- Record in HD-SDI/3G-SDI up to 1080p60 per channel
- Internal memory storage – Two Channels per drive – Max 2TB each
- Record to an external USB drive – Two Channels per drive – Max 2TB each
- GPS and Text Overlays
- External Record Switch
- Audio input as embedded or Analog Line Level (1Vp-p) – Up to 4 Inputs Available
- H.264 or H.265 compression
- Embedded KLV Data
- Compact Design measuring in at 9.5in (L) x 10.5in (W) x 6.5in (H) with J-Hooks and top/bottom mounting points.
- **Tested to the same standards as MIL-STD 810G qualifications**



Techfury Video Systems is proud to introduce our new Four Channel High-Definition Digital Video and Audio Recording System with GPS Overlay. The TF-TDR4-HD is our next generation of Tactical Data Recorders specifically designed for Aerial, Ground and Naval applications including Aerial Refueling, Mission Recording / Debriefing, Pilot Training, SAR, Military / Defense and LEA's.

The TF-TDR4-HD is capable of recording FOUR independent HD-SDI, 3G-SDI or SDI signals (H.264 or H.265) from a variety of video input options ranging from FLIR, Westcam, Imperx CMOS Cameras, Marshall Industries, HD Block Cameras and/or any SDI camera on the market including Techfury's TF-HCF-CAM, TF-GS-CAM, TF-HDCAM, TF-3G-SDI-CAM Cameras.

In addition to high-definition video, the TF-TDR4-HD can accept a single stereo or mono audio input (G.711 / AAC) from an audio panel or headset which is synchronized with video during playback. Overlay GPS data such as coordinates, speed, altitude, bearing, time and date on the video. A text overlay option is also available per channel. Embedded KLV Metadata support.



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VIDEO	
4 x SDI Input - Supported Resolutions	1080p23.98/24/25/29.97/30 Hz 1080p50/59.94/60 Hz 1080i50/59.94/60 Hz 720p23.98/24/25/29.97/30 Hz 720p50/59.94/60 Hz
4 x SDI Output - Supported Resolutions	1080p23.98/24/25/29.97/30 Hz 1080p50/59.94/60 Hz 1080i50/59.94/60 Hz 720p23.98/24/25/29.97/30 Hz 720p50/59.94/60 Hz
Broadcast Formats	NTSC / PAL
Encoding	H.264 or H.265
Encoding Latency	≤ 67ms
Coding Bitrate	16kbits/sec - 32Mbits/sec
Bitrate Control	Constant Bit Rate (CBR) / Variable Bitrate (VBR)
STREAMING	
Streaming Protocols	MPEG-2, TS (UDP), RTP, RTSP, RTMP, RTMPS SRT, Onvif and TSRTSP
Stream Outputs	Main Stream Code Rate up to 1080p60Hz Sub-stream Code Rate up to 720p60Hz
AUDIO - Single Input & Output for all channels	
Stereo Formats	G.711 / AAC
Sample Rates	8 / 16 / 22.05 / 32 / 44.1 / 48 / 64 / 88.2 / 96 KHZ
Bitrate	16 / 24 / 32 / 48 / 64 / 72 / 80 / 96 / 128 / 160 / 192 / 256 Kbps
Sampling Precision	24 bit
Coding Bitrate	64Kb/s - 384Kb/s
MEDIA & MEMORY	
Internal Memory	2 x Internal Memory Drives - 32GB (2 Channels per Drive) Internal Memory Upgrade Options: 32GB, 64GB, 128GB, 256GB, 512GB, 1TB, 2TB
External Media	2 x USB 2.0 or 3.0 Drives (2 Channels per Drive)
KLV DATA	
KLV Data	Embedded KLV Metadata support via SDI or Serial – STANAG 4609 Compliant)



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FILE TYPE	
Record File Types	.ts OR .mp4
GPS INPUT & OVERLAYS	
GPS Input	1 x GPS, GNSS, NMEA 0183, GPGLA/GPRMC/GPGSA/GPVTG parsed 1 Hz / 5 Hz / 20 Hz (Optional)
GPS Overlays	Coordinates : Degrees/Minutes/Seconds or Degrees/Minutes or Degrees
	Altitude: Feet / Meters
	Speed: Knots / MPH / KPH
	Bearing (Heading)
	GPS Time & Date Overlay (GPST)
System Time Overlay	System Time Overlay
RECORDING TYPES	
Record Types	1. Record Switch on Front Panel 2. External Record Switch - Wired (200Ft) OR Control Panel 3. Start and Stop Recording via GUI
CONTROL PANEL (Optional)	
Control Panel - Optional	External Record Switch Control Panel - 1 x External Record Switch - 1 x Record LED - 1 x Power LED - 1 x I/O Connector - Rear Panel
FRONT PANEL	
Media Drives	2 x USB 2.0 or 3.0 (External Drives) - Video/Audio Record Files (2 Channel per Drive)
Record Switch	1 x Momentary Rocker ON/OFF Switch
Ethernet Port	1 x LAN Ethernet (Settings Configurion and GUI)
LED Indicators	1 x Power - YELLOW 1 x GPS - BLUE 4 x Record LED - GREEN (One per channel) 4 x Fault LED - RED (One per channel)



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REAR PANEL

Video I/O	4 x BNC for SDI Input 4 x BNC for SDI Output
External Record Switch	1 x External Record Switch - D38999 Series
Audio Input/Output	1 x Audio Input & Output - D38999 Series
GPS Input	1 x GPS Input - D38999 Series
Power	1 x Power Input - D38999 Series

MANAGEMENT

Network Connection	WEB GUI via Ethernet Port
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POWER

Power Input	12-36VDC input (Nominal 12 volts 1A/5W)
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PHYSICAL

Operating Temperature	-40° Celcius to +85° Celcius (-40° Fahrenheit to +185° Fahrenheit)
Storage Temperature	-65° Celcius to +95° Celcius (-85° Fahrenheit to +203° Fahrenheit)
Humidity	10% - 90%
Dimensions	9.5in (L) x 10.5in (W) x 6.5in (H)
Weight	17 lbs
Mounting	2 x J-Hooks on front panel 2 x Top Mounting Holes 2 x Bottom Mounting Holes

