

## ORDERING INFORMATION:

P/N:

TF-TDR4-SD

## APPLICATIONS:

- 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](http://www.TechFury.com)

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# TF-TDR4-SD



## FEATURES:

- Record 4 independent Analog / CVBS / RS170 channels simultaneous files to single media drive
- Built-in 2.5" LCD for live viewing/monitoring
- Remote External Record Switch (Optional)
- Up to four independent Stereo Audio Input synchronized to each channel
- Record to a SD Card with optional external USB media storage
- H.264 video compression and .TS format for data integrity
- 12-36 VDC input

TechFury's TF-TDR4-SD sets a new standard in composite video recording as it is specifically designed for rugged & harsh environments and applications. Capable of recording up to four composite (NTSC/PAL/RS170) video inputs simultaneously to a single SD Card with optional USB storage (removable drive or SSD), the TF-TDR4-SD offers the end user a variety of options when recording from multiple composite sources. A single audio input can be paralleled to all four video channels if required.

View the live feed from any camera on the built-in 2.5 inch LCD screen mounted on the front panel of the TF-TDR4-SD. Switch between camera views using the four illuminated momentary buttons directly below the LCD display. Switching between the camera views has no effect on the recorded video. A NVG compatible display filter is optionally available upon request. Use this display during operations to verify valid video inputs.



# Technical Specifications

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<b>VIDEO</b>	
CVBS Input	4 x Composite / Analog / RS170 Inputs
CVBS Output	4 x Composite / Analog / RS170 Outputs
Broadcast Formats	NTSC / PAL
Encoding	H.264 AVC Profile 4.2
Encoding Latency	≤ 40ms
Bitrate Control	Constant Bit Rate (CBR) / Variable Bitrate (VBR)
<b>STREAMING</b>	
Streaming Protocols	RTSP
<b>AUDIO</b>	
Audio Inputs	4 x Mono Inputs synchronized to video
Audio Outputs	4 x Mono Outputs
Stereo Formats	G.711 / AAC
<b>DISPLAY</b>	
Display - Front Panel	2.5" LCD Display - Color
<b>MEDIA &amp; MEMORY</b>	
External Media	1 x SD Card Slot (FAT32) 1 x USB 2.0/3.0 Media Drive (FAT32)
<b>FILE TYPE</b>	
Record File Types	.ts / .avi
<b>FRONT PANEL</b>	
Media	1 x SD Card Slot 1 x USB 2.0 or 3.0
Record Function	1 x Momentary Rocker ON/OFF Switch with LED indicator
LED Indicators	1 x Power
Display	2.5" LCD Display - Color
Switches	4 x Momentary Switches - Channel 1,2,3,4

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<b>REAR PANEL</b>	
Video I/O	4 x BNC for Analog / Composite / RS170 Inputs 4 x BNC for Analog / Composite / RS170 Outputs
External Record Switch	1 x External Record Switch (LEMO Push-Pull Locking)
Audio Input/Output	4 x Audio Input (LEMO Push-Pull Locking)
GPS Antenna	1 x GPS Input (Optional Upgrade) (SMA Female)
RS485 / CAN Bus	1 x RS485 Serial Control - Simple Control for Recording ONLY 1 x CAN Bus (Optional Upgrade) (LEMO Push-Pull Locking)
Ethernet	1 x LAN Ethernet (Settings Configurition)
Power	1 x Power Input (MIL-SPEC 3-pin)
<b>MANAGEMENT</b>	
Network Connection	WEB GUI via Ethernet Port
<b>POWER</b>	
Power Input	12-36VDC input (Nominal 12 volts 1A/5W)
<b>PHYSICAL</b>	
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% Relative
Dimensions	140mm (L) x 140mm (W) x 90mm (H) / 5.5in (L) x 5.5in (W) x 3.54in (H)
Weight	2.5 lbs /1.13kg / 40oz
Mounting	4 x 1/4x20 Mouting Holes on both sides (L-bracket Mount Included)

# Technical Drawings

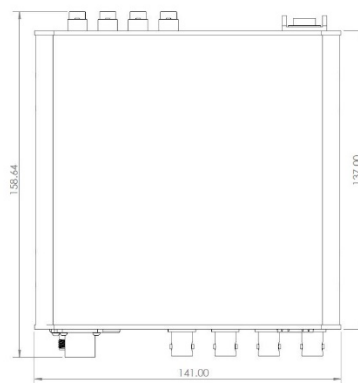
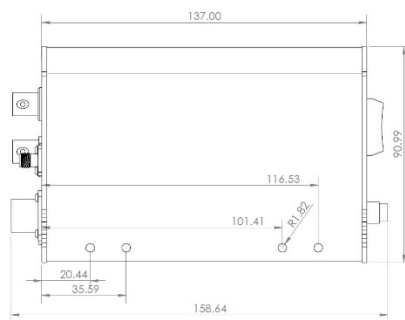
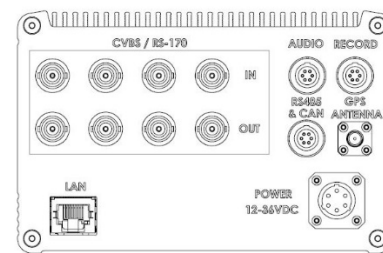
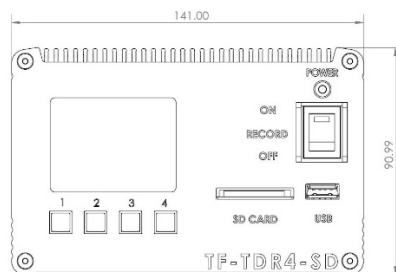
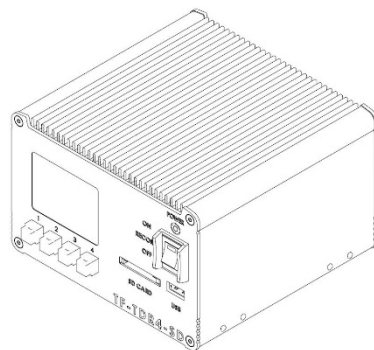
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