



# LTM-6000C

DV - SDI - Component - AES/EBU  
Composite - YC - Balanced Audio  
Multiformat Transcoder

# INERTIA™





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## DV - SDI - Component - AES/EBU Composite - YC - Balanced Audio Multiformat Transcoder

World's Most Feature Rich & Advanced DV & Analog Transcoder.

### Blows The Doors Off Conventional DV Media Converters !

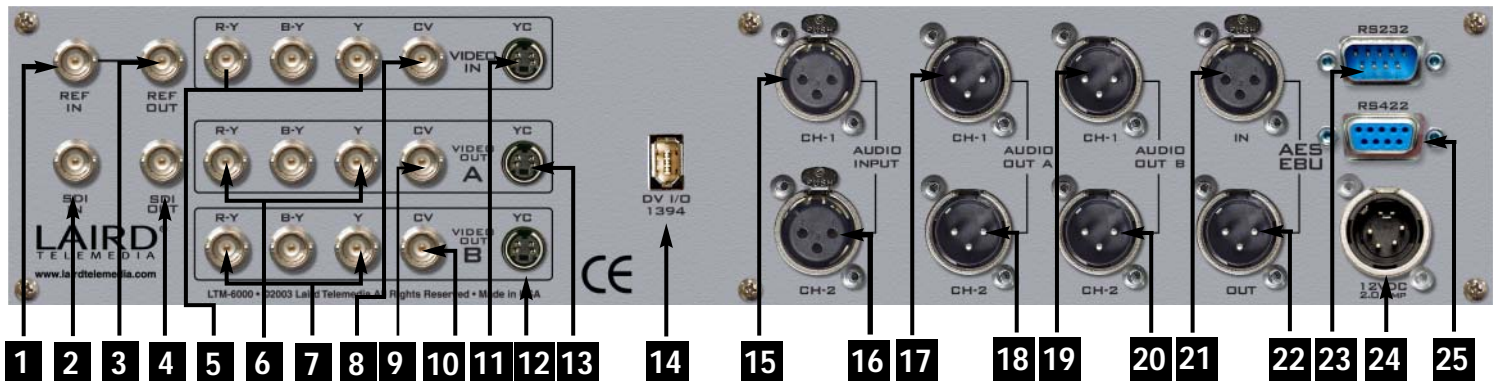
Conventional DV media converters are limited to bi-directional analog to DV conversion. Inertia does that at the highest RS170A broadcast spec but ALSO bidirectionally converts Component, YC, composite and SDI between formats independent from DV making it the ultimate everything to everything box...any format to any format. Not only that, Inertia has all live format outputs which turns it into the ultimate interface tool for monitoring, splitting, recording and more !

Inertia also contains features never before seen on a transcoder such as **dual analog outputs** for easy monitoring as well.

The unit is housed in a desktop case with rackmount. NTSC-PAL Selectable. 3.5"H x 19"W x 11"D. 4.4 Lbs. 2 Year Warranty.

- Bi-directional Conversion of DV to/from Analog
- Bi-directional Conversion of DV to/from SDI
- Bi-directional Conversion of SDI to/from Analog
- Bi-directional Analog to Analog Transcoding
- Bi-directional Digital/Analog Audio Conversion
- Video I/O: Composite, S-Video, Component (YUV)
- Digital Video I/O: IEEE-1394 DV, SDI
- Analog Audio I/O: Balanced
- Digital Audio I/O: AES/EBU (48, 44.1 and 32KHz)
- Dual Analog Outputs: Composite, YC, Component & Balanced Audio
- DV Audio Encode: 48KHz and 32KHz
- DV Audio Decode: 48KHz, 44.1KHz and 32KHz
- IEEE-1394 Compatible: DV, DVCAM, DVC-PRO
- RS-422 Sony Machine Control Protocol
- Genlockable for easy Systems Integration
- NTSC-PAL Selectable
- AVID Certified

### Rear View Features



- |                                  |   |
|----------------------------------|---|
| 1) Reference Signal Input        | 14) IEEE1394 DV Firewire I/O            |
| 2) SDI Signal Input              | 15) Balanced Audio Input (Ch1)          |
| 3) Reference Signal Output       | 16) Balanced Audio Input (Ch2)          |
| 4) SDI Signal Output             | 17) Balanced Audio Output (Ch1-A)       |
| 5) Component Video Input         | 18) Balanced Audio Output (Ch2-A)       |
| 6) Component Video Output (ChA)  | 19) Balanced Audio Output (Ch1-B)       |
| 7) Component Video Output (ChB)  | 20) Balanced Audio Output (Ch2-B)       |
| 8) Composite Video Input         | 21) AES/EBU Input                       |
| 9) Composite Video Output (ChA)  | 22) AES/EBU Output                      |
| 10) Composite Video Output (ChB) | 23) RS232 Remote Control & Upgrade Port |
| 11) YC Video Input               | 24) 12V DC Power Input                  |
| 12) YC Video Output (ChB)        | 25) RS422 Machine Control               |
| 13) YC Video Output (ChA)        |   |



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### SPECIFICATIONS

<b>Analog Video Formats:</b>	NTSC (525 line / 60 Hz) or PAL (625 line / 50 Hz)	<b>Genlock:</b>	Looping Genlock input using composite video or Blackburst 1Vpp into 75Ω Horizontal Phase Adjust Range: +/- 128 Pixels SubCarrier Phase Adjust Range: 360deg/256 Vertical Offset Adjust Range: 0-7 Lines DVCAM, DVCPRO, WIN98/ME/2000/XP
<b>Video Inputs:</b>	Composite: (BNC), 1.0 Vp-p into 75Ω	<b>Compatibility:</b>	
<b>S-Video:</b>	4-Pin Mini DIN, 75Ω, Y: 1.0 Vp-p, C: 627m Vp-p	<b>Machine Control:</b>	Standard Sony Machine RS422 control protocol Bi-directional over Firewire IEEE1394 6-pin Via 9-Pin D-Sub Female, using standard RS422 9pin cables
<b>Component:</b>	BNC x 3, 75 Ohm, (Y, R-Y, B-Y), SMPTE level	<b>System Upgrades:</b>	Firmware upgrades vis RS232 serial port D-Sub 9-Pin Male
<b>Video Outputs:</b>	2x: Composite on BNC, 1.0 Vp-p into 75Ω 2x: S-Video on 4-Pin Mini DIN, 75Ω, Y: 1.0V p-p, C: 627mV p-p 2x: Component (Y, R-Y, B-Y) on BNC x 3, 75Ω, SMPTE level	<b>Front Panel Control:</b>	Push-Button Switches and LCD select Main Menu Functions for all operations: NEXT-DOWN-UP
<b>Analog Audio Input:</b>	2-Channel Balanced: (XLR), +4 dBu nominal, 20 kΩ input	<b>AUDIO LEVEL:</b>	Front panel control knobs vary audio encode level with VU meter display.
<b>Analog Audio Output:</b>	2X: Balanced: (XLR), +4dBu nominal into 600Ω load	<b>POWER:</b>	Main power switch
<b>Analog Audio Sampling:</b>	48 or 32 kHz at 20-bit resolution, 2-Channel	<b>Power Requirements:</b>	12Volt DC @ 4A provided with product via 4-Pin XLR connector Pin#1 Ground, Pin#4 Hot. 2 Non-Captive UL/CE Linecords are provided with unit for 110/220 Volt AC Operation. CAUTION! Use only the power supply provided with the unit.
<b>DV 1394 I/O (DV25):</b>	DV/DV CAM / DVC Pro Via FireWire 6 Pin Port, 400 Mbits Speed	<b>Certifications:</b>	Converter: FCC, CE
<b>Digital I/O: SMPTE259M:</b>	Digital Video I/O: SDI: (BNC), 75Ω, 10-bit resolution, 270 MBit/sec, SMPTE 259M	<b>External Power Unit:</b>	UL, CSA
<b>Digital Audio: AES/EBU:</b>	XLR : 2-7 V p-p across a 110Ω load	<b>Dimensions:</b>	3.5"H(2RU) x 11"D x 19" W: EIA Rackmount
<b>Audio / Video Sync:</b>	Audio and Video are fully synchronized, regardless of input source	<b>Weight:</b>	8.5 Pounds Without Shipping Carton
<b>Sampling Format:</b>	DV, DVCAM: NTSC 4:1:1, PAL 4:2:0 DVCPRO: NTSC-PAL 4:1:1 DV AUDIO: Decode: 48Khz, 44.1Khz, 32Khz Encode: 48Khz, 32Khz	<b>ENVIRONMENTAL:</b>	Operating Temp: +32°F to 110°F (0°C to 43°C) Operating Humidity: 10% to 85%, Non-Condensing Storage Temperature: -40°F to +150°F (-40°C to +65°C)

Specifications subject to change without notice. Contact Website for current information: [www.LAIRDTELEMEDIA.COM](http://www.LAIRDTELEMEDIA.COM)