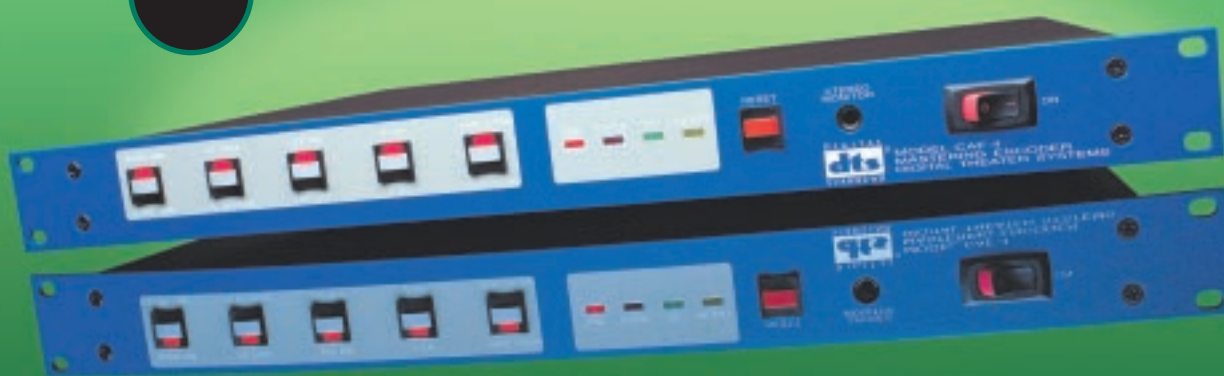


DTS CAE-4 PROFESSIONAL ENCODER

ENCODER



The CAE-4 Professional Encoder was created specifically for audio professionals to encode soundtracks and music content in the DTS format for DVD and CD. It is designed to be simple and user friendly. The CAE-4 accepts six audio channels (3 AES/EBU pairs) and outputs a DTS bitstream on a single AES/EBU pair.

Front panel controls include timecode mode, surround gain, LFE on/off, 2-channel/5-channel, DVD data rate, and reset. Stereo monitor is also provided for headphones.

Status LEDs monitor the incoming audio sampling rate and timecode status. The rear panel has XLR connectors for the AES/EBU inputs, timecode input, and bitstream output.

A DTS software suite is included with the encoder. It provides an easy and efficient method to verify bitstream compliance with DTS quality requirements and with DVD standards. It also verifies successful completion of the encoding process.

For DVDs and CDs

Real-Time Encoding

Encode DTS 5.1 and immediately hear the results.

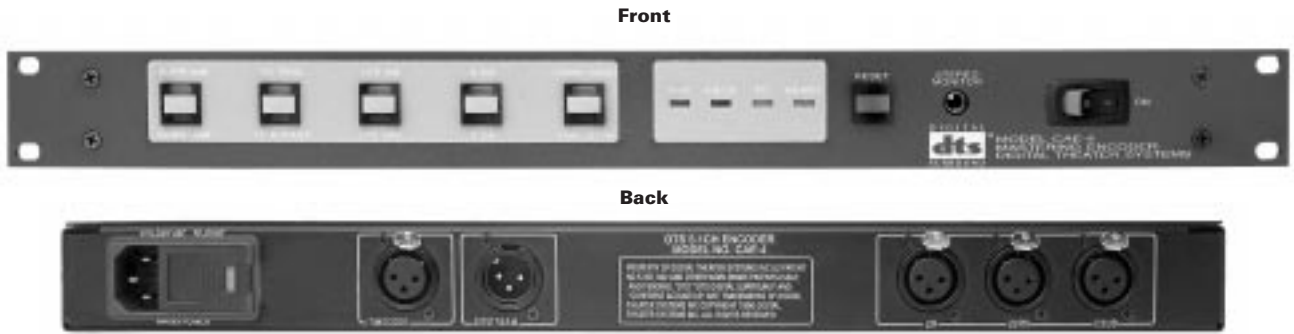
Easy to Interface

Source material is fed directly into the CAE-4 Encoder via AES/EBU inputs. The CAE-4 output can then be delivered directly to the DTS CAD-4 Studio Decoder for monitoring.

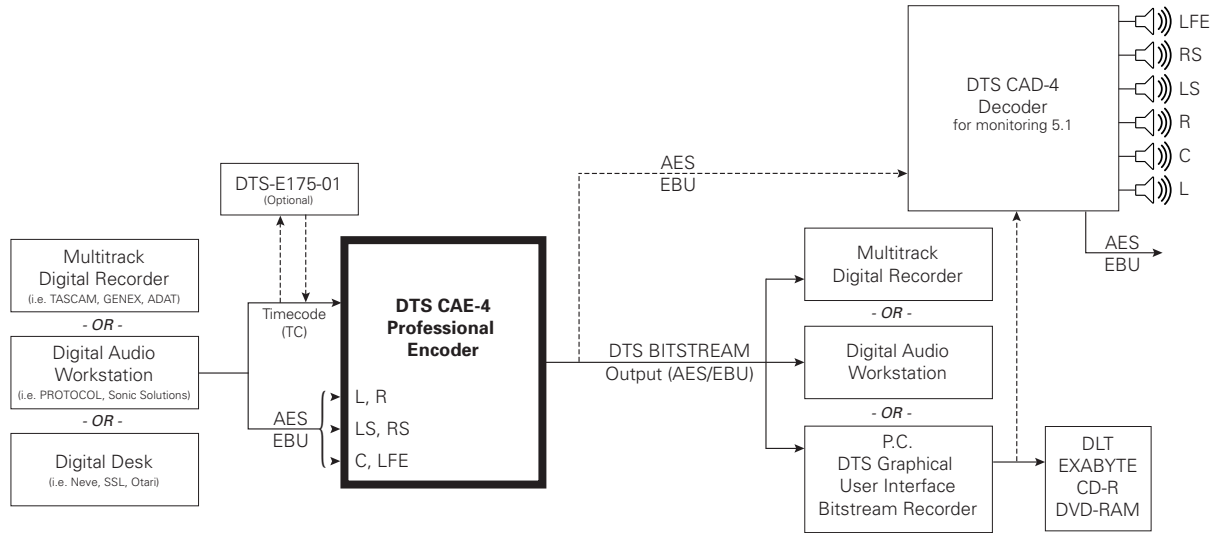
Post-Production Tools

Along with the CAE-4 Encoder you receive the DTS Software Suite. This includes all of the quality checks necessary to verify a successful encoding session.





DTS CAE-4 Flow Diagram



DTS CAE-4 Professional Encoder Features

<p>Audio Coding DTS Coherent Acoustics algorithm</p> <p>Audio Sampling Rates 44.1 or 48 ksamples/s</p> <p>Distortion Less than 0.002% at 1 kHz</p> <p>Dynamic Range Greater than 120 dB</p> <p>Coding Delay DVD 2560 samples CD 2786 samples</p> <p>Digital Audio Inputs AES/EBU 110 ohms, XLR-3</p>	<p>Digital Output AES/EBU 110 ohms, XLR-3</p> <p>Timecode Input 3-pin female XLR balanced</p> <p>DTS Data Rates and Channel Modes</p> <p>DVD</p> <table border="0"> <tr> <td>5 Channel (3/2/1) or (3/2/0)</td> <td>1509.75 kbits/s OR 754.50 kbits/s</td> </tr> <tr> <td>2 Channel (2/0/1) or (2/0/0)</td> <td>503.25 kbits/s OR 377.25 kbits/s</td> </tr> </table> <p>CD</p> <table border="0"> <tr> <td>5 Channel (3/2/1)</td> <td>1234.80 kbits/s</td> </tr> </table> <p>Internal DTS Decoder (Stereo Out) Stereo monitor 1/4" headphone jack and LED status indicator to monitor bitstream validity</p>	5 Channel (3/2/1) or (3/2/0)	1509.75 kbits/s OR 754.50 kbits/s	2 Channel (2/0/1) or (2/0/0)	503.25 kbits/s OR 377.25 kbits/s	5 Channel (3/2/1)	1234.80 kbits/s	<p>Power Requirements 90-264 V AC, 50-60 Hz, auto sensing, 100 W</p> <p>EIA Rack Mount (1U) 44 mm x 483 mm x 17 mm (1.75" x 19" x 6.75")</p> <p>Weight 6.1 lbs. (2.8 kg)</p> <p>User Interface Bitstream and continuity checker, edit features</p> <p>Optional Support Products DTS CAD-4 Decoder for 5.1 monitoring DTS-E175 DVD for user selected encoder trigger</p>
5 Channel (3/2/1) or (3/2/0)	1509.75 kbits/s OR 754.50 kbits/s							
2 Channel (2/0/1) or (2/0/0)	503.25 kbits/s OR 377.25 kbits/s							
5 Channel (3/2/1)	1234.80 kbits/s							

Note: Specifications subject to change without notice.



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DTS CAD-4 DECODER

DECODER



The CAD-4 Decoder is a high performance decoder designed as a companion to the CAE-4 Encoder in professional environments. It enables instant and accurate monitoring of DTS bitstreams.

Used together, the CAE-4 Professional Encoder and the CAD-4 Decoder enable studio professionals to encode soundtracks and music in the DTS format for DVD and CD.

For DVDs and CDs

High Performance

24-bit D/A for optimum analog output performance and AES/EBU outputs for use with external D/A.

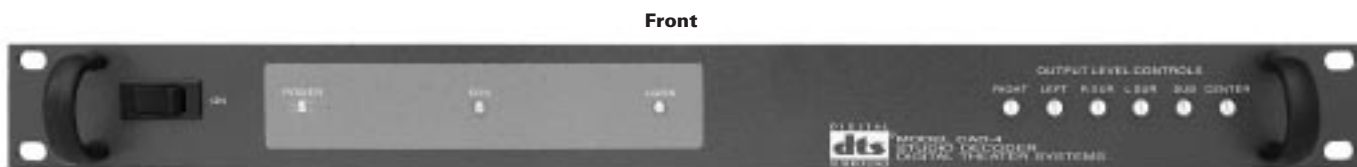
Easy to Interface

AES/EBU and Toslink optical/coaxial inputs provide flexible interface with any digital source.

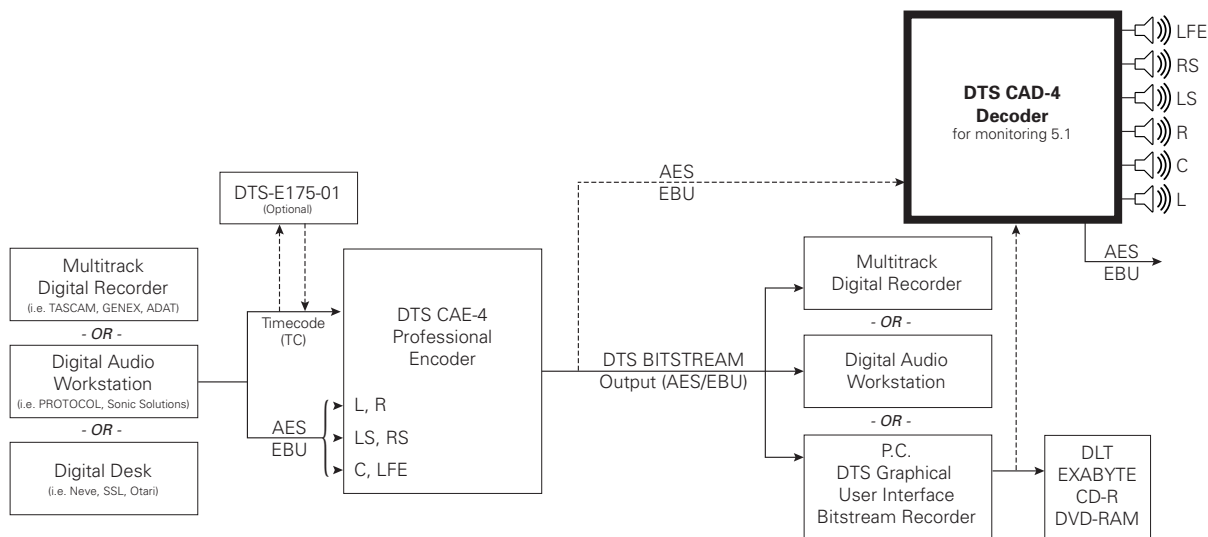
Real-Time Playback

The CAD-4 allows real-time playback of DTS encoded bitstreams.





DTS CAD-4 Flow Diagram



DTS CAD-4 Decoder Features

- | | |
|--|--|
| <ul style="list-style-type: none"> Digital Audio Outputs
AES/EBU 110 ohm male XLR (x3) Analog Audio Outputs
0 dBFS=+24 dBu balanced male XLR (x6)
Output impedance: 50 ohms Controls
Individual analog output level trim controls Distortion
Less than 0.003% at 1 kHz Frequency Response
20 Hz - 20 kHz | <ul style="list-style-type: none"> LED Indicators
PCM Lock, DTS decode & Power LEDs 24 Bit D/A Converters Digital Audio Inputs
AES/EBU, 110 ohm, Female XLR
IEC 60958/61937 Format, 75 ohm coaxial. Toslink optical EIA Rack Mount (1U)
44 mm x 483 mm x 17 mm
(1.75" x 19" x 6.75") Power Requirements
90-264 V AC, 50-60 Hz, manual switch |
|--|--|

Note: Specifications subject to change without notice.



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