

HD9084

HD/SD-SDI DTV Closed Caption Encoder

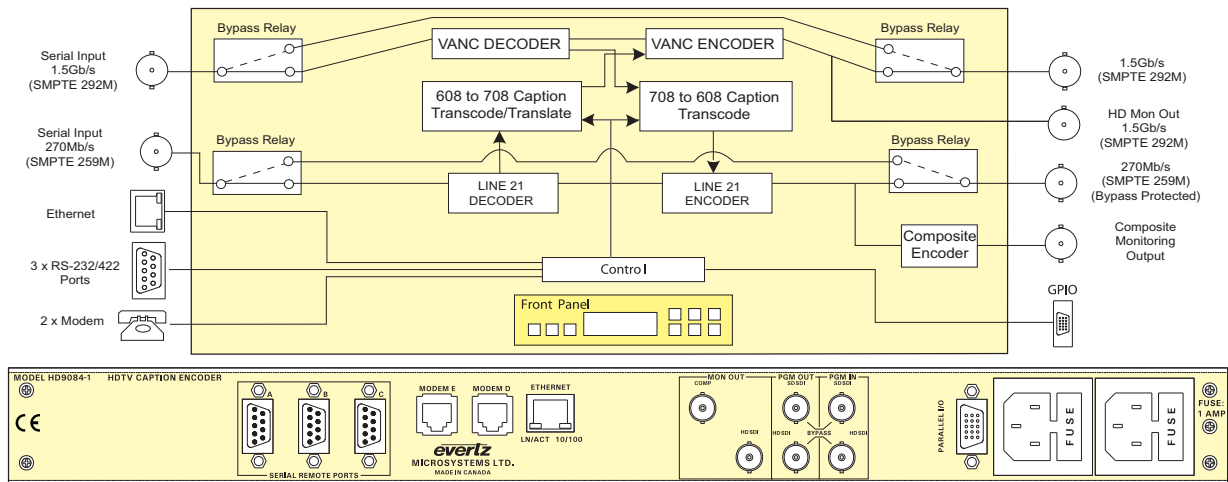


The HD9084 DTV Caption Processor is a comprehensive, compact solution for all HD Advanced Closed Caption, SD Advanced Closed Caption and SD Line 21 Closed Captions. Simultaneous HD-SDI and SD-SDI video I/O paths provide a compact one-box solution.



Features & Benefits

- Simultaneous encoding of new CEA-608 and CEA-708 captions onto SD-SDI and HD-SDI video
- Dolby Metadata encode via serial port ingest
- Port Echo capability for closed caption encoder “daisy chain” set-up
- CEA-608 Line 21 VBI bridge functionality
- CEA-708 Advance caption bridge functionality
- One SD-SDI, 270Mb/s digital video input, 525 or 625
- One HD-SDI, 1.5Gb/s digital video input, 1080i/720p/480p
- Support for SMPTE 334M, SMPTE 333M & grand alliance transfer formats for both SD-SDI & HD-SDI
- Support for Line 21 CEA-608 captions on SD-SDI
- Supports captioning over IP
- Broadcast flag insertion
- RS-232/RS-422 serial, telephone modem, Ethernet TCP/IP and parallel GPI communication interface
- Closed caption shifting for both SD and HD captions
- Easy configuration via front panel or via on-screen display
- Encoding of Extended Data Service Packets into field 2 of the SD-SDI signal including Transmission Signal Identifier (TSID), Copy Generation Management System (CGMS-A) and V-Chip
- Direct support for caption encoding over IP



Specifications

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| <p>HDTV Serial Digital Video Input: Standard: SMPTE ST 292-1 1.485Gb/s, 1080i, 720p, 480p Number of Inputs: 1 Connector: BNC per IEC 61169-8 Annex A Equalization: Automatic up to 75m @1.5Gb/s with Belden 1694A (or equivalent) Impedance: 75Ω</p> | <p>SDTV Serial Digital Video Output: Standard: Same as Input Number of Outputs: 1 program out (bypass relay protected) Connector: BNC per IEC 61169-8 Annex A Signal Level: 800mV nominal DC Offset: 0V ±0.5V Rise and Fall Time: 470ps nominal Overshoot: < 10% of amplitude Return Loss: > 15dB Wide Band Jitter: < 0.2 UI</p> | <p>Communications and Control: Serial: 3 DB-9 male RS-232 /422 selectable 1200 baud to 57.6 kbaud 7 or 8 data bits Modem: 2 RJ-11 telephone jacks (2nd modem optional) 1200 baud to 14.4 kbaud V.32BIS compatible Ethernet: IEEE 802.3 (10 BaseT) IEEE 802.3u (100 BaseTX) RJ-45 connector</p> |
| <p>HDTV Serial Digital Video Output: Standard: Same as HD input Number of Outputs: 1 program out (bypass relay protected) 1 monitoring out Connector: BNC per IEC 61169-8 Annex A Signal Level: 800mV nominal DC Offset: 0V ±0.5V Rise and Fall Time: 200ps nominal Overshoot: <10% of amplitude Wide Band Jitter: <0.2 UI Impedance: 75Ω</p> | <p>Composite Monitoring Output with OSD: Standard: NTSC (SMPTE ST 170-1) Number of Outputs: 1 Connector: BNC per IEC 61169-8 Annex A Signal Level: 1V nominal Impedance: 75Ω</p> | <p>Physical: Dimensions: 19"W x 1.75"H x 18.75"D (483mm W x 45mm H x 477mm D) Weight: 8lbs (3.5kg)</p> |
| <p>SDTV Serial Digital Video Input: Standard: SMPTE ST 259-1-C Number of Inputs: 1 Connector: BNC per IEC 61169-8 Annex A Equalization: Automatic 200m @ 270Mb/s Belden 1694A (or equivalent)</p> | <p>General Purpose In/Out: Number of Inputs: 7 Number of Outputs: 3 Type: Opto isolated, active low Connector: Female High Density DB-15 Signal level: +5V nominal</p> | <p>Electrical: Power: Auto ranging 100-240 VAC 50/60Hz, 40W Safety: TÜV Listed Complies with EU safety directive Complies with FCC part 15, class A EU EMC Directive</p> |

Ordering Information

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| HD9084 | HD/SD-SDI DTV Closed Caption Encoder |
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Ordering Options
 +2PS
 +MDM2

Optional redundant power supply
 Second internal modem option

The Complete Solution Provider

