



DE291 Decoder & Monitor



The EEG Decoder & Monitor outputs a detailed onscreen overlay that displays closed captioning data, **Nielsen watermarks**, V-chip, AFD, and embedded audio levels. It also includes a browser-controlled VANC analysis tool that offers the ability to pause, capture, view, and log every packet on every frame. Customizable alarms for missing or corrupted packets round out this efficient must-have for VANC data trouble shooting. Also available for the openGear frame.





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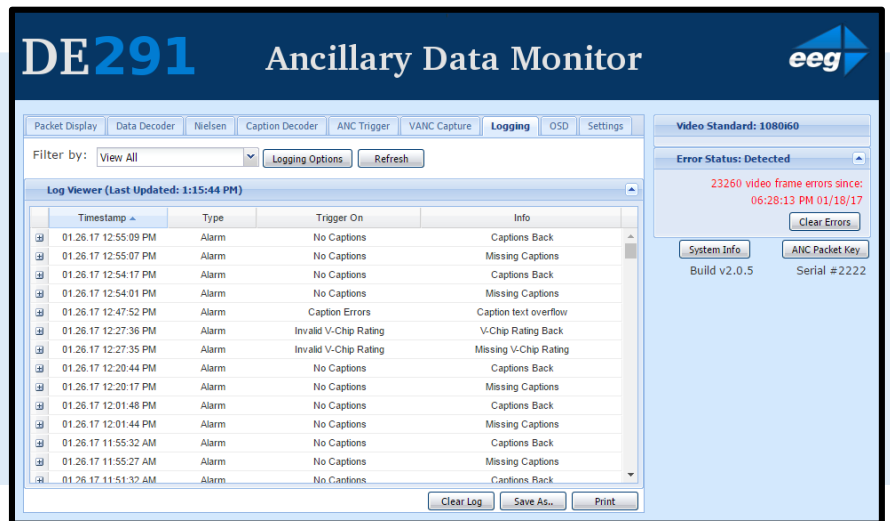


Live Program Data Monitoring

- Native HD-SDI Video Overlay
- Custom Onscreen Layouts
- Embedded Audio Levels
- Phase Monitoring
- Nielsen Watermark Decoding
- AFD, XDS/V-Chip/CGMS-A
- Video Error Alarms

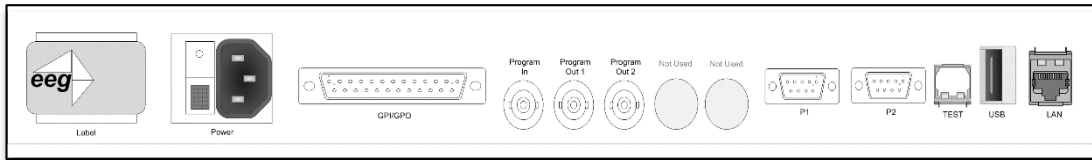
Detailed Analysis on Demand

- Web-Controlled VANC Analysis
- Sort and Filter Live VANC Data Dump
- Capture, Pause, and View VANC Packets from Every Frame
- Customize Triggers to Capture Fast-Moving Data Events
- Log Packet Dropouts and Video Errors





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Rear Detail



Technical Specs



HD-SDI Video Inputs	
Number of Inputs	1 (Program in relay bypass protected)
Connector	BNC per IEC 169-8
Format	1.485 Gb/s SMPTE 292M (1080i, 720p, 480p, 24psf) or 270 Mb/s SD
Input Level / Impedance	800 mV p-p ± 10% / 75 Ohm
Equalization	Automatic up to 100m @ 1.5 Gb/s with Belden 1694 or equivalent
HD-SDI Video Outputs	
Number of Outputs	3 (Output 1 relay bypass protected)
Connector	BNC per IEC 169-8
Output Level	800 mV p-p ± 10%
Output Impedance	75 Ohm
DC Offset	0V ± 0.5V
Rise/Fall Time	200pS nominal
Overshoot	< 10% of amplitude
Wide Band Jitter	< 0.2 UI
Data Input Characteristics	
Data Ports	2 serial DB9 female connectors, selectable RS232C/RS422
GPO Relay	30v DC max 2A
LAN	RJ45 connector, 10/100 Base T TCP/IP
Electrical	
Power	115/230V AC 50/60Hz
Physical	
Dimensions	19" rack mount x 1RU x 25" deep