

EEG INTRODUCES THE NEW CB512 DTV CAPTION LEGALIZER: NEW SOLUTION VIRTUALLY ELIMINATES HD CAPTIONING PROBLEMS

*Latest Caption Legalizer/Relocating Bridge from EEG Vastly Reduces
Broadcasters' DTV Captioning-Related Difficulties*

FARMINGDALE, NY: EEG (www.eegent.com), the pacesetter for closed captioning, has introduced a powerful new solution for broadcasters who have been frustrated by DTV captioning difficulties. The revolutionary CB512 DTV Caption Legalizer™ /Relocating Bridge solves difficult-to-debug captioning problems by ensuring a fully compliant data stream, almost completely eliminating broadcast engineers' downtime from DTV captioning-related difficulties.

“Up until now, problems related to DTV captioning have been taking up far too much of broadcast engineers' time,” says Philip McLaughlin, President of EEG. “But with the new CB512 DTV Caption Legalizer from EEG, broadcasters are discovering that there is an immediate solution. By putting the CB512 in line, the vast majority of DTV captioning errors disappear.”

As a **caption legalizer**, the EEG CB512 efficiently ensures that broadcasters' caption data complies completely with DTV captioning standards. The CB512 is able to fix common errors introduced in closed captioning flows by SD-to-HD upconverters or incomplete 608-to-708 translation. The Legalizer regenerates all input caption data into a standardized, fully-compliant data stream, compatible with all MPEG encoder specs - a key benefit for broadcasters who ingest captioned material from a wide variety of original sources.

As a result, the EEG CB512 can provide broadcasters with a fully compliant output data stream, using a wide input tolerance and a tight output specification for maximum interoperability. Line number, packetization style, and more are standardized for HD captioning that is ready for successful ingest into any transmission or storage system.

Common captioning issues that the CB512 effectively addresses include:

- Various types of packet formatting problems
- Missing 708 data (aka 608 in a 708 wrapper)
- Captioning located on the wrong line
- Captioning that will not scale because of the way it was constructed
- Captioning that utilizes features beyond the FCC minimum decoder specification

Designed following the success of the EEG CB412, the CB512 adds HD functionality to that system's intuitive **relocating bridge** capabilities. The CB512 seamlessly bridges caption data from one video source to another, between a wide variety of HD formats (1080i, 720p, 24/23.98p, 24/23.98psf), and can relocate caption displays on the

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screen in response to GPI triggers. Equipped with this capability, broadcasters using the EEG CB512 have a flexible system for caption relocation, satisfying their legal obligation in scenarios where closed captioning could obstruct the viewing of emergency crawls.

“Downtime caused by captioning problems has been unnecessarily costing broadcasters time and money, but it doesn’t have to be that way,” Philip McLaughlin concludes. “The EEG CB512 DTV Caption Legalizer is the solution that leads to DTV captioning that is virtually error-free. This is another first from EEG.”

Advanced features of the EEG CB512 include:

- Eliminates numerous DTV captioning problems
- Seamless HD relocation
- Versatile caption legalizer
- Accepts wide range of input caption data
- Regenerates, encodes output data

Key applications include:

- Bridges caption data across video sources
- Fixes caption data errors
- Fully compliant datastream generation
- GPI-triggered HD caption relocation

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About EEG:

EEG offers the most complete line of Closed Captioning, XDS (V-Chip) and ancillary data encoders, decoders and software for the broadcast, post production, and educational industries. The company’s 25+ years of experience in the fields of Closed Captioning and ancillary data distribution provides the most stable equipment base available. In addition, EEG’s continuing participation in various industry working groups allows the company to incorporate and maintain the latest advances in Line 21 technology throughout its product line. EEG products are fully compliant with EIA-608 for analog and digital NTSC video and EIA-708 for HDTV video standards, and are designed and manufactured in the United States of America. For more information, please visit www.eegent.com.

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