Annotator CL-GPS Precision CameraLink Timestamp

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IONETRICS, INC introduces the Annotator CL GPS CameraLink Annotator for stamping CameraLink data streams with precise GPS referenced time tags, a 32-bit frame number, and other valuable data. A modulated IRIG-B output is also generated synchronized to GPS time. In addition, the time stamp can be synchronized to a modulated IRIG-B input. The unit can also operate in a free running mode with time set by the host system over the built-in USB link.

The Annotator CL GPS is ideal for high speed cameras, spectrometers, radiometers, and other instruments with meta-data and time tagging needs. The annotation occurs in hardware and is injected directly into the CameraLink data stream. Since the annotation data is collected synchronously with the primary sensor data, there is no need for complicated post processing software. The Annotator CL GPS works with existing end user hardware and software with no modifications.

Two modes of annotation, digital and text, are supported. These can be used together or separately and can be independently disabled or enabled at user defined positions. The digital mode inserts a 32-word encoded block into the data stream. The text mode overlays text onto the data stream.

In addition to the CameraLink annotation features, the Annotator CL GPS combines the functions of CameraLink repeater, video splitter, breakout box, GPS receiver, and IRIG time code generator into one integrated peripheral. Master and slave CameraLink outputs are synchronized to exactly the same output data stream. Several flexible time code latching options are provided.

The Anncle software application is also provided so that end users can easily setup and control the Annotator CL GPS from the host system using USB. This software can run alongside end user software as a dedicated Annotator CL GPS control panel.

The Annotator CL GPS is available in a standalone enclosure or as an OEM PC board. For more information about this innovative new product, see http://www.ionetrics.com, or contact Tim Bratcher at 615-849-9902 or bratcher@ionetrics.com.

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