



Genum Receivers

The easiest, fastest, lowest power method of implementing an SDI or ASI link.

3Gb/s SDI

Genum's new GS2971 and GS2961 are fully integrated and compliant with SMPTE 424M and 425M including support for both Level A and Level B. In addition, these chips are the only solutions providing conversion from Level B to Level A. The full set of included features makes these devices the ideal choice for 1080p 50/60.

COMPLETE VIDEO PROCESSING

Genum receivers have the most complete video processing features available. These include, but are not limited to: descrambling, word alignment, comprehensive error detection and correction, and ancillary data extraction.

GREAT FOR DVB/ASI

All Genum receivers are DVB/ASI capable. The GS9090B is ideally suited for this application due to its low power and small size.

AUDIO DE-EMBEDDING

GS2971 includes an integrated audio de-embedder supporting AES, I²S, and serial audio formats. The chip also features an integrated audio clock generator.

UNPRECEDENTED CABLE LENGTHS

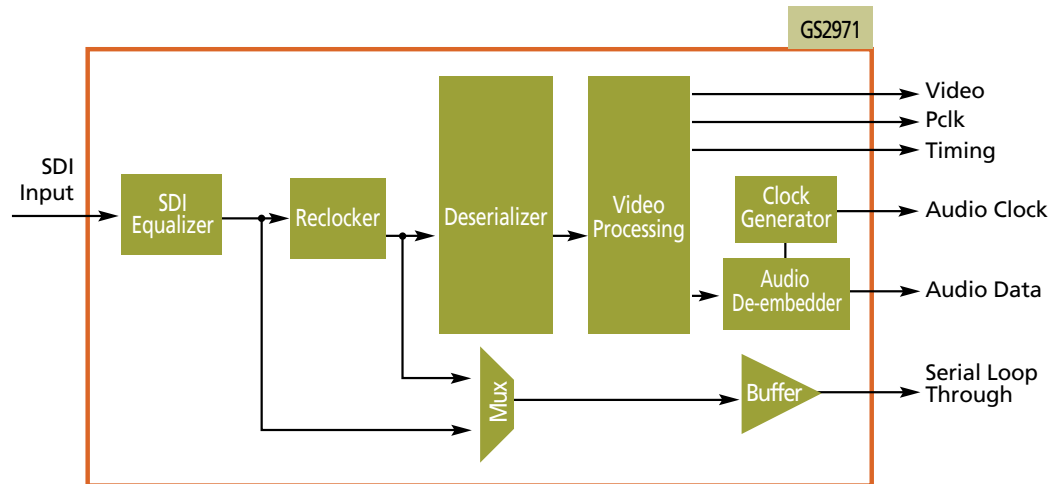
The next generation, leading edge cable equalizer technology integrated into the GS2971 means that cables can run for very long distances before connecting to the GS2971's BNC connector. The GS2971 can handle cable runs in excess of 160m at 3G data rates.

APPLICATIONS

Monitors, Camera control units, Multiviewers, Routers, Production switchers, Master control switchers, VTRs, Video servers, Encoders/decoders, Up/down/cross converters, Audio de-embedders, Format detectors, Test and measurement equipment

RECEIVERS

	GS2971	GS2961	GS2970	GS2960	GS1559	GS9091B	GS9090B
Data Rate (Mb/s)	270, 1485, 2970	270, 1485, 2970	270, 1485, 2970	270, 1485, 2970	270, 1485	270	270
Equalizer	YES	YES	NO	NO	NO	YES	NO
Video Processing	YES	YES	YES	YES	YES	YES	YES
DVB/ASI	YES	YES	YES	YES	YES	YES	YES
Serial Loop Through	YES	YES	YES	YES	YES	NO	NO
VCO	YES	YES	YES	YES	GO1555	YES	YES
Ancillary Data Extraction	YES	YES	YES	YES	NO	YES	YES
Audio De-embedder	YES	NO	YES	NO	NO	NO	NO
Audio Clock Generator	YES	NO	YES	NO	NO	NO	NO
Parallel Bus Width	10 or 20	10 or 20	10 or 20	10 or 20	10 or 20	10	10
CEA 861 Timing	YES	YES	YES	YES	NO	NO	NO
Temp Range (°C)	-20 to +85	-20 to +85	-20 to +85	-20 to +85	0 to +70	0 to +70	0 to +70
Power (mW)	545	515	350	320	500	350	145
Standby	YES	YES	YES	YES	NO	NO	NO
Package	BGA 100	BGA 100	BGA 100	BGA 100	BGA 100	BGA 100	QFN 56



LEARN MORE:

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