

LT443D

Leader's Multiformat Video Generator Mainframe



Cypress, CA, April 2003 . . . Leader Instruments Corporation has introduced the new LT 443D a Multiformat Video Generator Mainframe. Plug-and-play modules are now available for HD-SDI and SD-SDI generators, genlock, analog black, genlock, digital audio, analog audio and analog composite NTSC/PAL formats. This allows for the creation of custom systems that simultaneously output multiple formats. The mainframe/front panel includes power supply and Ethernet control. Four plug-in slots allow for addition of generators with embedded digital audio, genlock module and a sync generator for tri-level and or black burst outputs. Plug and play operation ensures each of the modules are automatically recognized. System generator scan formats available include fourteen HD plus 525 and 625 SD formats.

The LT 443D-HD and LT443D-SD SDI generators include monoscope, colorbars, ramps, pathological and still picture test patterns with simple scrolling and high-speed pattern switching for stress testing MPEG encoded systems for compression artifacts. Digital audio in the SDI generators is selectively embedded as two groups of four channels. Each channel is separately configurable for frequency, level and click ID.

The LT 443D-GL genlock module has a loop through and also outputs 3 separately configurable and timeable tri-level or bi-level sync outputs. Timing is adjustable in increments of samples, lines or frames up to ± 5 frames maximum.

The LT443D-BL sync module outputs three separately configurable and timeable pairs of black burst or tri-level sync signals to be advanced or delayed up to five frames max. Timing can be incremented in frames, lines or samples.

The LT443D-DA module outputs four pairs of AES/EBU digital audio.

The LT 443D-CS module outputs analog composite NTSC/PAL formats.

The LT 443D-AA is an analog audio generator with low distortion convenient for generating and distributing system reference levels.

Users can download 24-bit full color bit maps via flash card to use as custom still pictures, test patterns or logos from the front panel. Source ID is provided as standard. Option 70 adds memory to the mainframe for bit map storage for HD or SD bit maps.

Availability is through Leader's regional sales offices and nationwide distributor network.

For more information on the LT 443D and the full line of Leader digital and analog test instruments, contact Leader USA at www.leaderusa.com; e-mail: sales@LeaderUSA.com; call 800-645-5104 or fax: 714-527-7490.