

SDI Feed Q/A Monitor

The LT292 works as a stand-alone instrument but can also be combined with our LV5700A and LV7700 to provide a system-wide monitoring solution using our FS3019 system monitoring software.



LT292 Rear Panel

LT292 SDI-Feed Quality Assurance Monitor

Designed for use as an autonomous monitoring system, the LT292 continuously monitors critical SDI feeds within your plant and provides error alarm and error logging capabilities. Two auto-sensing HD/SD-SDI feeds are provided; the selected feed is monitored automatically based on set user defined limits. Error logs can be accessed over the Ethernet port, output on a CF card or reviewed in the LT292 memory. Monitoring capabilities include video freeze, video black, audio mute (all with settable parameters). Test tone and color bar presence is also detected and reported as an error. As well, protocol checks (proper format, TRS, CRC etc) and equivalent cable length function are also monitored.

Key Features

- Two, Multi-Format, Auto-Sensing Inputs Handle Both SD-SDI and HD-SDI Streams.
- Monitors And Reports Errors For The Following Conditions :
 - VIDEO FREEZE : Monitors 5 user settable points on the raster and reports a “freeze” condition after a certain amount of time (user settable).
 - VIDEO BLACK : Monitors a user settable raster line and reports an error condition if black level persists over a certain amount of time (user settable)
 - AUDIO SILENCE : Monitors audio and reports mute or silence after a certain amount of time (user settable)
 - AUDIO TONE AND COLOR BARS : Monitors for audio tone and color bars and issues an error alarm.
 - PROTOCOL CHECK : Detects transmission errors (Format, TRS) as well as video and audio CRC errors.
 - EQUIVOLANT CABLE LENGTH : Provides an indication of the SDI signal level.
- Error Logs Can Be Accessed Over The Ethernet Port, Copied On A CF Card Or Reviewed On The LT292 Screen.
- Alarm Indication Is Provided Via Front Panel Lights And Rear Panel Switch Closure (Open Collector)