

VIO Delay series is an ideal product for high resolution of SDI signal delay. It can delay 1 digital serial signal (support SDI with embedded audio) with advanced technology to adjust delay time frame by frame. The max delay time is up to ten minutes for SD-SDI, two minutes for HD-SDI. Convenient function buttons and LCD display on front panel.

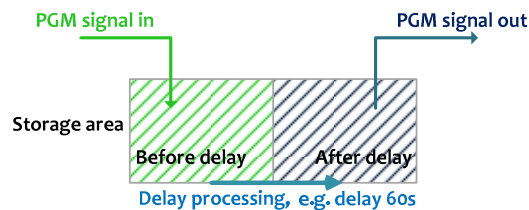
Key Features

- The max delay time is up to ten minutes for SD-SDI, two minutes for HD-SDI
- Advanced FPGA + DSP processing technology
- Accurately adjust delay time frame by frame
- Support H/V phase adjustment with Genlock
- Supply fixed monitor interface which can monitor the signal before delay
- Insert AUX video or adopt audio mute of the delaying video. This way can avoid any abnormal video signal output
- Provide the quick switch between bypass and delay signal
- 4xAES Input and output are optional
- Support signal loop-out when power off
- 1U chassis structure, redundant power supplies

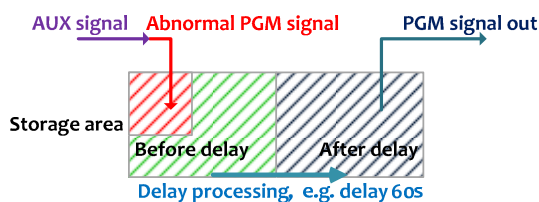


Work theory of Mute advance and Aux advance

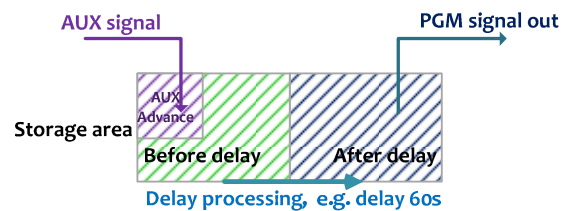
Regular PGM signal is delayed in storage area.



VIO Delay supports 1 AUX SDI signal input, and provides the quick switch among bypass, delay and AUX signal. When muting the delayed signal or replacing the abnormal signal with the AUX signal, according to the reaction time, the operator can set Mute advance or Aux advance to reduce the loss of regular signal.

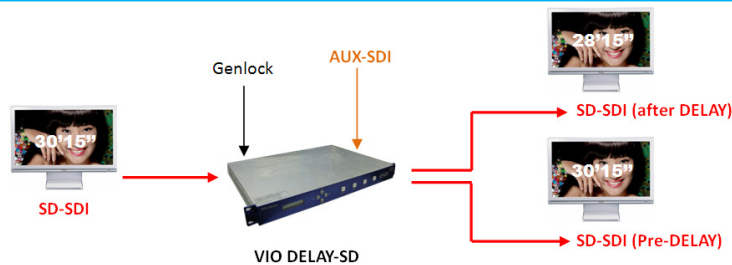


Use AUX signal to replace the abnormal PGM signal without AUX advance. The abnormal signal will flow into storage area during the operator's reaction time.



Use AUX signal to replace the abnormal PGM signal with AUX advance. Set the AUX advance to offset the operator's reaction time.

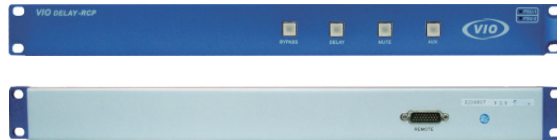
Application



The front panel and back rear of VIO Delay



The front panel and back rear of VIO Delay-RCP



Technical Specifications

VIO Delay-HD

Signal Input:

PGM In: 1xHD-SDI, BNC, 75ohm

AUX In: 1xHD-SDI, BNC, 75ohm

Standard: SMPTE 292M; 1.5Gbit/s

Ref In: 1*CVBS, BNC, 75ohm

Signal Output:

Output Interface: 3xHD-SDI, BNC, 75ohm

(2 after-delay outputs, 1 of 2 for loop-out without power, 1 before-delay output)

Standard: SMPTE 292M; 1.5Gbit/s

Control Interface:

RS-232: 26 pin female "D"

Network port: RJ45, 1000MBase T Ethernet

Physical:

Power Supply: 2x120W

Size: 440mm×320mm×44mm

VIO Delay-SD

Signal Input:

PGM In: 1xSD-SDI, BNC, 75ohm

AUX In: 1xSD-SDI, BNC, 75ohm

Standard: SMPTE 259M; 270Mbit/s

Ref In: 1*CVBS, BNC, 75ohm

Signal Output:

Output Interface: 3xSD-SDI, BNC, 75ohm

(2 after-delay outputs, 1 of 2 for loop-out without power, 1 before-delay output)

Standard: SMPTE 259M; 270Mbit/s

Control Interface:

RS-232: 26 pin female "D"

Network port: RJ45, 1000MBase T Ethernet

Physical:

Power Supply: 2x120W

Size: 440mm×320mm×44mm

Ordering Information

VIO Delay-SD20S SD-SDI Solid Delayer, max delay time is 20s.

VIO Delay-SD90S SD-SDI Solid Delayer, max delay time is 90s.

VIO Delay-SD180S SD-SDI Solid Delayer, max delay time is 180s.

VIO Delay-SD300S SD-SDI Solid Delayer, max delay time is 300s.

VIO Delay-SD600S SD-SDI Solid Delayer, max delay time is 600s.

VIO Delay-HD20S HD-SDI Solid Delayer, max delay time is 20s.

VIO Delay-HD60S HD-SDI Solid Delayer, max delay time is 60s.

VIO Delay-HD120 HD-SDI Solid Delayer, max delay time is 120s.