

HD Video / Audio Delay Line

DL300-HD Video/Audio Delay Line utilizing the world's leading technology as full digital encoding and decoding, DL300 is mainly applied to assurance of program broadcasting by safety, especially for the safety of live television program. The delay of the program can be realized through the usage of the product, i.e., for any accident, one may switch to other menus to ensure a safe broadcasting. The product is widely applied to various occasions such as broadcasting departments of TV stations and studios, satellite rebroadcast, along with live broadcasting. Users may enjoy its full functionalities with stable performance and convenient updating & maintenance.

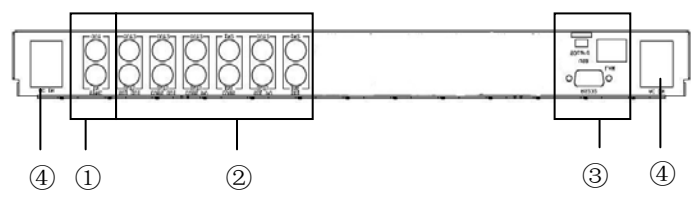


Features & Benefits

- Supports 1080i50, 1080i60, 1080psf24, 720p50, 720p60, 576I and 480I standard video signal.
- Adjustable HD-SDI signal delay line from 0 frame to 180 seconds per frame.
- Adjustable SD-SDI signal delay line from 0 frame to 1080 seconds per frame.
- Supports two levels of BI-SYNC BB and TRI-SYNC signal as external Gen-lock.
- Supports HD-SDI embedded digital signal embedded DOLBY compressed audio or PCM audio embedded signal input and output.
- Built-in HD/SD digital signal frame synchronization/time base collection function, as well as signal embedded or de-embedded function (not including digital compression DOLBY audio decoding function).
- Provides 8 channels independent AES/EBD embedded and de-embedded function.
- 2 channels HD/SD SDI signal input.
- 2 channels HD SDI signal and 2 channels SD SDI signal independently output preview before and after processing signal.
- With independent advance or delay the adjustment function of audio signal.
- Supports HD/SD backup signal input.
- With function of power off bypassing.
- Provides RJ45 network port, support the SNMP protocol.
- Double power supply, double switch.



Back panel description



①	Interface for External Gen-lock.	
SYNC	Interface for External Gen-lock input and output .	
②	Video Interface	
HD-SDI IN	SDI signal (main & backup) input.	
HD-SDI PV	SDI signal (main & backup) preview.	
HD-SDI OUT	SDI signal output.	
③	Multi-function interface	
RS232	RS232 / RS422 remote control interface (options).	
USB	USB data input.	
SD card	SD card data input.	
LAN	LAN remote control interface (options).	
④	Power Supply Interface	

Video Index

Sample Precision	10 Bits
Sample Frequency	148.5MHz
Bandwidth	6.0MHz
Signal to Noise Ratio	> 70 dB (weighted)
SDI Amplitude	800±25 MV
SDI Jitter (1 kHz)	< 350 PS
SDI Jitter (10 Hz)	< 500 PS
K Factor (2T Pulse)	< 1%

Audio Index

A/D, D/A Digitizing	24Bits
Sample Frequency	48KHz
Frequency Response	20Hz -20KHz
THD+N	0.03% (+4dBu)
Left/Right Channel Isolation	> 70 dB
Signal to Noise Ratio	> 90 dB

Physical Features & Environmental Req.

AC Input	220V/50Hz
Power Consumption	40W
Operating Temperature	0-40°C (32-104°F)
Moisture	5-95% (non condensing)
Dimension (W×H×D)	427mm×44mm × 502mm
Weight	7.5 Kg

Ordering information

DL300-HD-H Series	Support hd signal processing
DL300-HD-HS Series	Support hd and digital signal processing

Note: the above series products are all have a delay of 30 seconds, 60 seconds, 120 seconds, 180 seconds.