# DELAYLINE
## Video Delay System

Now With Optional Audio Delay

# Cost-efficient video & audio delay system

- **Cost-efficient video delay from 1 second to over 1 minute.**

- **PAL & NTSC compatible.**

- **DC powered, small and rugged unit.**

- **Low power consumption - less than 150 mA at 12 Volts DC.**

- **Optional high quality stereo audio delay.**

- **Applications**
  **> VCR pre-event recording**
  **> Action replay**
  **> CCTV event monitoring**
  **> Sports coaching**
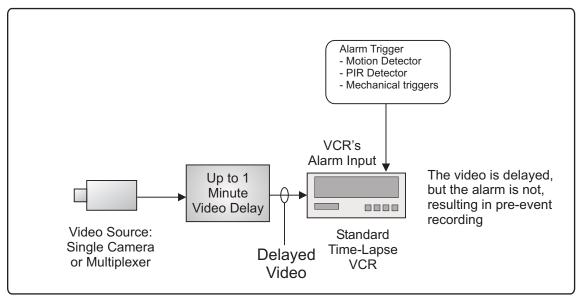  **> Low cost video storage buffer**

DelayLine is a simple and cost-effective video delay system. DelayLine can be used in many applications where a constantly rewriting video store is required. Example applications include storing video whilst a video recording or transmission system powers-up, synchronizing video and audio feeds, sports coaching and action replay of sports or CCTV events.

DelayLine video delay system operates by utilising large banks of memory to provide video delay with only a negligible loss in quality. Various DelayLine models are available offering delays from milliseconds to over 1 minute. For flexibility, the amount of delay is user adjustable in 1/16 steps. Dual channel high quality audio delay, synchronized with the video, is available as an option.
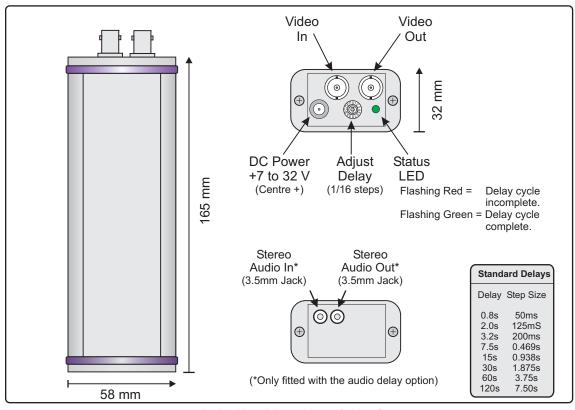
The video delay system consists of a small DC powered unit that is very simple to install and operate.

Alarm Trigger
- Motion Detector
- PIR Detector
- Mechanical triggers

VCR's
Alarm Input

Up to 1
Minute
Video Delay

The video is delayed,
but the alarm is not,
resulting in pre-event
recording

Video Source:
Single Camera
or Multiplexer

Delayed
Video

Standard
Time-Lapse
VCR

*DelayLine Example Application: VCR Pre-Event Recording*

Video In | Video Out

32 mm

165 mm

DC Power
+7 to 32 V
(Centre +)

Adjust
Delay
(1/16 steps)

Status
LED

Flashing Red =  Delay cycle
incomplete.
Flashing Green = Delay cycle
complete.

Stereo
Audio In*
(3.5mm Jack)

Stereo
Audio Out*
(3.5mm Jack)

(*Only fitted with the audio delay option)

58 mm

| **Standard Delays** | |
| --- | --- |
| Delay | Step Size |
| 0.8s | 50ms |
| 2.0s | 125mS |
| 3.2s | 200ms |
| 7.5s | 0.469s |
| 15s | 0.938s |
| 30s | 1.875s |
| 60s | 3.75s |
| 120s | 7.50s |

*DelayLine Dimensions & Interfaces*

## Outline Specification

**General:**

| | | | |
| --- | --- | --- | --- |
| Operating temperature range | -10 to +55°C | Delay time (high quality) | see table above |
| Mechanical size (housed) | 32 x 58  x 165 mm | | (other delays possible) |
| Finish | Painted aluminum | Delay control | Hex switch |
| Weight (housed) | 225 g | Delay resolution | 1/16 of max delay |
| DC power connector | 2.1 mm DC jack (locking) | | |
| Operating voltage range | 7 to 32 V DC | **Audio (optional):** | |
| Power consumption | <1.8 Watts | Number of channels | 2 |
| Current consumption at 12 V | < 150 mA | Input impedance | > 10kR |
| Standard accessories | User guide, DC power lead | Output impedance | < 100R |
| | | Max I/O level | 2.5 V pp |
| **Video:** | | I/O connector | 3.5 mm jack socket |
| Video standards supported | PAL or NTSC | Bandwidth | > 15kHz |
| Video connectors | BNC | Digitising | 16 bit linear |
| Video Input / output levels | 1 Vpp into 75 ohm | | |

Please note, the above information is preliminary and Ovation Systems reserves the right to change specifications without notice. E&OE.