

# HOTRONIC

SDI FRAME SYNC/ A/V DELAY

## AY86 SERIES



### Specifications:

- **Video Resolution**  
10 bit
- **Video Sampling Rate**  
27 MHz
- **Correction Range**  
More than 1 frame memory
- **Signal to Noise Ratio**  
60 dB(p-p signal to rms noise)  
Differential gain less than 1%  
Differential phase less than 1%  
K factor (2T pulse) less than 1%
- **Frequency Response**  
6MHz
- **Audio Resolution**  
24 bit
- **Audio Sampling**  
33.1KHz, 44.1KHz, 48KHz
- **Max. Audio Delay off-set**  
up to 20 seconds
- **Audio Head Room**  
20 dB
- **Gen-Lock Range**  
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- **Video Input**  
SDI, composite
- **Video Output**  
SDI, composite
- **Digital Video Output**  
SMPTE 259M (D1)
- **Gen-Lock Input**  
NTSC or PAL
- **Audio Input**  
33.1, 44.1, 48KHz digital
- **Audio Output (Digital)**  
AES/EBU Format
- **Analog Audio Input/Output**

### Physical:

- Size:** 19" wide x 1-3/4" high x 17" deep  
Rack mountable
- Power:** Less than 30W
- Weight:** 12-15 lbs.
- Ambient Temperature:** 10° 40° operating

### Models:

#### AY86

Video Frame Sync Only  
SDI In and Out  
Gen-lockable  
User Friendly Proc Amp  
Standard Analog Video Output Simultaneously  
No Analog Input  
No Audio Input or Output  
Rackmountable  
Can be upgraded to include all features

#### AY86-AU-D

*All AY86 features plus*

Analog Audio Input and Output  
Digital Audio Input and Output  
Audio can be off-set  
Video/Audio A/D, D/A Bi-directional conversion

#### AY86-VD

*All AY86 features plus Video delay*

In increment of 7 seconds  
up to 21 seconds  
No audio feature

#### AY86-A/V D

*All AY86-AU-D features plus Audio & Video delay*

In increment of 7 seconds  
up to 21 seconds

#### AH ( optional )

Analog Composite Head-end  
*(This option can be added to all AY86 Models)*

*SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.*

### Significant Advantage:

*Video professional may think digital TV equipments are costly in comparison to analog I/O equipment. In 1995 it was true, not in 2003.*

*A piece of SMPTE 259M equipment is as cost effective as that of the so called "Analog" Equipment. Cost is the same. The same coax cables and monitor are used in a SDI video system as its analog counterpart. From an operational point of view, a technician will find that it is much easier to handle a SDI I/O than an analog I/O. True digital video signal processing is superior than analog I/O processing. It is time to replace existing analog equipment with SDI equipment.*