

# Serial Digital Interfaces 1,485 GigaBit/s

## HD 10 DA. 3

HD Serial Digital Video to Component Analog Converter

The HD 10 DA is a cost effective and high compact High Definition DAC, converting serial digital HDTV to high definition component analog video ( Y/ P<sub>b</sub>/ P<sub>r</sub> and R G B/H V ).

The HD 10 DA provides automatic input scan rate detection .

Output is provided for studio requirements in analog components ( 3x BNC)

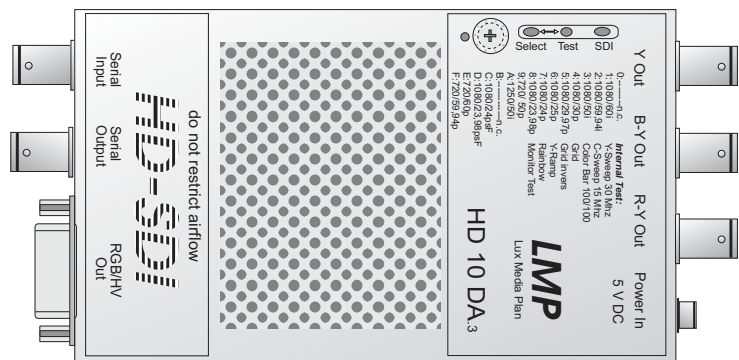
In addition, a second output is available for monitoring, supporting a standard 15 pin computer monitor interface (15 pol Sub-D).

A build-in test generator provides 8 different test-patterns to facilitate output alignment. The test generator is locked to input timing when available.

In free-run mode the HD 10 DA can be used as an analog test generator, switchable to the supported standards.

### Features

- HD SDI input with active loop-through
- Simultaneous component and RGB output
- Computer monitor interface RGB/HV
- Supports 720p, 1035i, 1080i formats
- 24/25/30 p(sF) formats
- 50/60 i formats
- Build-in test generator for
- color-bar, Y-ramp, Rainbow,
- 30 Mhz Y- sweep, 15 Mhz C-sweep,
- pos. and neg. grid, Monitor Test,
- Compact size: 108x80x25 mm



### Specifications

#### Input

SD-signal: SMPTE 292M, 1.485, 1.485/1.001 Gbps with equalized active loop-through  
Cable length: up to 100m (Belden 1694A)  
Return loss: > 15 dB up to 1.485 GHz

Power: 5 V, 8 W regulated

#### Output

Analog Y, PB, PR 3x BNC  
Analog R,G,B, H sync, V sync 15p Sub-D

#### Format

720p /60/59,94//50 SMPTE 296M  
1035i /60/59,94/ 50 SMPTE 240M  
1080i /60/59,94 /50 SMPTE 274M  
1080p /25/24/23,98 (sF)  
1080p /30/29,97 (sF)  
1250/50i(1980x1152)