

# datavideo®



**HD/SD-SDI TO COMPONENT-YUV  
CONVERTER**

**DAC-50**

**Instruction manual**

[www.datavideo.com](http://www.datavideo.com)

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## **Disclaimer of Product and Services**

The information offered in this instruction manual is intended as a guide only. At all times, Datavideo Technologies will try to give correct, complete and suitable information. However, Datavideo Technologies cannot exclude that some information in this manual, from time to time, may not be correct or may be incomplete. This manual may contain typing errors, omissions or incorrect information. Datavideo Technologies always recommend that you double check the information in this document for accuracy before making any purchase decision or using the product. Datavideo Technologies is not responsible for any omissions or errors, or for any subsequent loss or damage caused by using the information contained within this manual. Further advice on the content of this manual or on the product can be obtained by contacting your local Datavideo Office or dealer.



## Warnings and Precautions

1. Read all of these warnings and save them for later reference.
2. Follow all warnings and instructions marked on this unit.
3. Unplug this unit from the wall outlet before cleaning. Do not use liquid or aerosol cleaners. Use a damp cloth for cleaning.
4. Do not use this unit in or near water.
5. Do not place this unit on an unstable cart, stand, or table. The unit may fall, causing serious damage.
6. Slots and openings on the cabinet top, back, and bottom are provided for ventilation. To ensure safe and reliable operation of this unit, and to protect it from overheating, do not block or cover these openings. Do not place this unit on a bed, sofa, rug, or similar surface, as the ventilation openings on the bottom of the cabinet will be blocked. This unit should never be placed near or over a heat register or radiator. This unit should not be placed in a built-in installation unless proper ventilation is provided.
7. This product should only be operated from the type of power source indicated on the marking label of the AC adapter. If you are not sure of the type of power available, consult your Datavideo dealer or your local power company.
8. Do not allow anything to rest on the power cord. Do not locate this unit where the power cord will be walked on, rolled over, or otherwise stressed.
9. If an extension cord must be used with this unit, make sure that the total of the ampere ratings on the products plugged into the extension cord do not exceed the extension cord's rating.
10. Make sure that the total amperes of all the units that are plugged into a single wall outlet do not exceed 15 amperes.
11. Never push objects of any kind into this unit through the cabinet ventilation slots, as they may touch dangerous voltage points or short out parts that could result in risk of fire or electric shock. Never spill liquid of any kind onto or into this unit.

12. Except as specifically explained elsewhere in this manual, do not attempt to service this product yourself. Opening or removing covers that are marked “Do Not Remove” may expose you to dangerous voltage points or other risks, and will void your warranty. Refer all service issues to qualified service personnel.
13. Unplug this product from the wall outlet and refer to qualified service personnel under the following conditions:
  - a. When the power cord is damaged or frayed;
  - b. When liquid has spilled into the unit;
  - c. When the product has been exposed to rain or water;
  - d. When the product does not operate normally under normal operating conditions. Adjust only those controls that are covered by the operating instructions in this manual; improper adjustment of other controls may result in damage to the unit and may often require extensive work by a qualified technician to restore the unit to normal operation;
  - e. When the product has been dropped or the cabinet has been damaged;
  - f. When the product exhibits a distinct change in performance, indicating a need for service.

## Disposal



### For EU Customers only - WEEE Marking

This symbol on the product indicates that it should not be treated as household waste. It must be handed over to the applicable take-back scheme for the recycling of Waste Electrical and Electronic Equipment. For more detailed information about the recycling of this product, please contact your local Datavideo office.

## Warranty

### Standard Warranty

- Datavideo equipment is guaranteed against any manufacturing defects for one year from the date of purchase.
- The original purchase invoice or other documentary evidence should be supplied at the time of any request for repair under warranty.
- Damage caused by accident, misuse, unauthorized repairs, sand, grit or water is not covered by this warranty.
- All mail or transportation costs including insurance are at the expense of the owner.
- All other claims of any nature are not covered.
- Cables & batteries are not covered under warranty.
- Warranty only valid within the country or region of purchase.
- Your statutory rights are not affected.

### Two Year Warranty

All Datavideo products purchased after 01-Oct.-2008 qualify for a free one year extension to the standard Warranty, providing the product is registered with Datavideo within 30 days of purchase. For information on how to register please visit [www.datavideo.com](http://www.datavideo.com) or contact your local Datavideo office or authorized Distributors

Certain parts with limited lifetime expectancy such as LCD Panels, DVD Drives and Hard Drives are only covered for the first 10,000 hours, or 1 year (whichever comes first).

Any second year warranty claims must be made to your local Datavideo office or one of its authorized Distributors before the extended warranty expires.

## Packing List

Items	Description	Q'ty
1	DAC-50	1
2	Switching Adaptor 12V / 0.5A	1
3	DAC-50 Instruction Manual	1

## Introduction

The Datavideo DAC-50 is standalone SDI or HD-SDI to YUV or HD-YUV video converter. The format of the component output is chosen based on the supplied SDI input and a combination of Mini switch choices. This unit allows conversion from HD to SD, SD to HD, Aspect Ratio change from 4:3 to 16:9 and even standard conversion from PAL to NTSC or vice versa.

## Features

- 6 Mode Resolutions
- DC 12V input
- 1x HD/SD-SDI Video Input (BNC x1)
- 1x HD/SD YUV component output (BNC x3)
- Accepted HD/SD-SDI Input Resolutions:
  - 720x480 Interlace
  - 720x576 Interlace
  - 1280x720 / 59.94Hz Progressive
  - 1280x720 / 50Hz Progressive
  - 1920x1080 / 59.94Hz Interlace
  - 1920x1080 / 50Hz Interlace
- HD/SD YUV Output Resolutions:
  - 720x480 Interlace
  - 720x576 Interlace
  - 1280x720 / 59.94Hz Progressive
  - 1280x720 / 50Hz Progressive
  - 1920x1080 / 59.94Hz Interlace
  - 1920x1080 / 50Hz Interlace

# Connections & Controls

## Front Panel



### HD/SD - SDI Input

4:2:2 SDI Video data supports SMPTE 292M standard at 1.5G Mbps.

SDI delivers professional level video signals over long distances when using the correct cabling and repeaters.



### Mini Switch

Uses the mini switch to select the required output format.

## Mini Switch Function

Mini Switches setting for video output				
D1	ON-SD output Mode		OFF - HD output Mode	
	ON	OFF	ON	OFF
D2	50Hz	59.94Hz	50Hz	59.94Hz
D3	0 IRE	7.5 IRE	1080i	720p
D4	16:9	4:3	16:9	4:3
D5	CVBS	YUV	YUV	YUV
D6	On: Aspect ratio conversion is disabled Off: Aspect ratio conversion is enabled			

## Rear Panel



### **DC In Socket**

Connects the supplied 12V 0.5A PSU to this socket. The connection can be secured by screwing the outer fastening ring of the DC In plug to this socket.



### **Power Switch**

Switches the power On / Off.



### **HD/SD YUV**

HD/SD YUV component analogue output connectors

Alternatively the Y BNC connector can be used as a Composite (CV) output connector when Mini switches 1 and 5 are moved to the ON position.



## Up Conversion

No	SDI Input	YUV Output	MINI Switch Setup (D6 OFF)				
			D1	D2	D3	D4	D5
1	480i 4:3	720/59.94p 16:9	D1	D2	D3	D4	D5
			OFF	OFF	OFF	ON	OFF
2	480i 4:3	720/59.94p 4:3	D1	D2	D3	D4	D5
			OFF	OFF	OFF	OFF	OFF
3	480i 4:3	720/50p 16:9	D1	D2	D3	D4	D5
			OFF	ON	OFF	ON	OFF
4	480i 4:3	720/50p 4:3	D1	D2	D3	D4	D5
			OFF	ON	OFF	OFF	OFF
5	480i 4:3	1080/59.94i 16:9	D1	D2	D3	D4	D5
			OFF	OFF	ON	ON	OFF
6	480i 4:3	1080/59.94i 4:3	D1	D2	D3	D4	D5
			OFF	OFF	ON	OFF	OFF
7	480i 4:3	1080/50i 16:9	D1	D2	D3	D4	D5
			OFF	ON	ON	ON	OFF
8	480i 4:3	1080/50i 4:3	D1	D2	D3	D4	D5
			OFF	ON	ON	OFF	OFF

No	SDI Input	YUV Output	MINI Switch Setup (D6 OFF)				
			D1	D2	D3	D4	D5
9	576i 4:3	720/59.94p 16:9	D1	D2	D3	D4	D5
			OFF	OFF	OFF	ON	OFF
10	576i 4:3	720/59.94p 4:3	D1	D2	D3	D4	D5
			OFF	OFF	OFF	OFF	OFF
11	576i 4:3	720/50p 16:9	D1	D2	D3	D4	D5
			OFF	ON	OFF	ON	OFF
12	576i 4:3	720/50p 4:3	D1	D2	D3	D4	D5
			OFF	ON	OFF	OFF	OFF
13	576i 4:3	1080/59.94i 16:9	D1	D2	D3	D4	D5
			OFF	OFF	ON	ON	OFF
14	576i 4:3	1080/59.94i 4:3	D1	D2	D3	D4	D5
			OFF	OFF	ON	OFF	OFF
15	576i 4:3	1080/50i 16:9	D1	D2	D3	D4	D5
			OFF	ON	ON	ON	OFF
16	576i 4:3	1080/50i 4:3	D1	D2	D3	D4	D5
			OFF	ON	ON	OFF	OFF

## Up Conversion continued

No	SDI Input	YUV Output	MINI Switch Setup (D6 OFF)				
			D1	D2	D3	D4	D5
17	720/59.94p 16:9	1080/59.94i 16:9	D1	D2	D3	D4	D5
			OFF	OFF	ON	ON	OFF
18	720/59.94p 16:9	1080/59.94i 4:3	D1	D2	D3	D4	D5
			OFF	OFF	ON	OFF	OFF
19	720/59.94p 16:9	1080/50i 16:9	D1	D2	D3	D4	D5
			OFF	ON	ON	ON	OFF
20	720/59.94p 16:9	1080/50i 4:3	D1	D2	D3	D4	D5
			OFF	ON	ON	OFF	OFF

No	SDI Input	YUV Output	MINI Switch Setup (D6 OFF)				
			D1	D2	D3	D4	D5
21	720/50p 16:9	1080/59.94i 16:9	D1	D2	D3	D4	D5
			OFF	OFF	ON	ON	OFF
22	720/50p 16:9	1080/59.94i 4:3	D1	D2	D3	D4	D5
			OFF	OFF	ON	OFF	OFF
23	720/50p 16:9	1080/50i 16:9	D1	D2	D3	D4	D5
			OFF	ON	ON	ON	OFF
24	720/50p 16:9	1080/50i 4:3	D1	D2	D3	D4	D5
			OFF	ON	ON	OFF	OFF

## Down Conversion

No	SDI Input	YUV Output	MINI Switch Setup (D6 OFF)				
			D1	D2	D3	D4	D5
25	720/59.94p 16:9	480i 16:9, 0 IRE	D1	D2	D3	D4	D5
			ON	OFF	ON	ON	OFF
26	720/59.94p 16:9	480 4:3, 0 IRE	D1	D2	D3	D4	D5
			ON	OFF	ON	OFF	OFF
27	720/59.94p 16:9	576i 16:9	D1	D2	D3	D4	D5
			ON	ON	OFF	ON	OFF
28	720/59.94p 16:9	576i 4:3	D1	D2	D3	D4	D5
			ON	ON	OFF	OFF	OFF
No	SDI Input	CVBS Output	MINI Switch Setup (D6 OFF)				
29	720/59.94p 16:9	480i 16:9, 0 IRE	D1	D2	D3	D4	D5
			ON	OFF	ON	ON	ON
30	720/59.94p 16:9	480 4:3, 0 IRE	D1	D2	D3	D4	D5
			ON	OFF	ON	OFF	ON
31	720/59.94p 16:9	576i 16:9	D1	D2	D3	D4	D5
			ON	ON	OFF	ON	ON
32	720/59.94p 16:9	576i 4:3	D1	D2	D3	D4	D5
			ON	ON	OFF	OFF	ON

## Down Conversion continued

No	SDI Input	YUV Output	MINI Switch Setup (D6 OFF)				
			D1	D2	D3	D4	D5
33	720/50p 16:9	480i 16:9 , 0 IRE	D1	D2	D3	D4	D5
			ON	OFF	ON	ON	OFF
34	720/50p 16:9	480 4:3 , 0 IRE	D1	D2	D3	D4	D5
			ON	OFF	ON	OFF	OFF
35	720/50p 16:9	576i 16:9	D1	D2	D3	D4	D5
			ON	ON	OFF	ON	OFF
36	720/50p 16:9	576i 4:3	D1	D2	D3	D4	D5
			ON	ON	OFF	OFF	OFF
No	SDI Input	CVBS Output	MINI Switch Setup (D6 OFF)				
37	720/50p 16:9	480i 16:9 , 0 IRE	D1	D2	D3	D4	D5
			ON	OFF	ON	ON	ON
38	720/50p 16:9	480 4:3 , 0 IRE	D1	D2	D3	D4	D5
			ON	OFF	ON	OFF	ON
39	720/50p 16:9	576i 16:9	D1	D2	D3	D4	D5
			ON	ON	OFF	ON	ON
40	720/50p 16:9	576i 4:3	D1	D2	D3	D4	D5
			ON	ON	OFF	OFF	ON

No	SDI Input	YUV Output	MINI Switch Setup (D6 OFF)				
			D1	D2	D3	D4	D5
41	720/59.94p 16:9	480i 16:9 , 7.5 IRE	D1	D2	D3	D4	D5
			ON	OFF	OFF	ON	OFF
42	720/59.94p 16:9	480 4:3 , 7.5 IRE	D1	D2	D3	D4	D5
			ON	OFF	OFF	OFF	OFF
No	SDI Input	CVBS Output	MINI Switch Setup (D6 OFF)				
43	720/59.94p 16:9	480i 16:9 , 7.5 IRE	D1	D2	D3	D4	D5
			ON	OFF	OFF	ON	ON
44	720/59.94p 16:9	480 4:3 , 7.5 IRE	D1	D2	D3	D4	D5
			ON	OFF	OFF	OFF	ON

## Down Conversion continued

No	SDI Input	YUV Output	MINI Switch Setup (D6 OFF)				
			D1	D2	D3	D4	D5
45	720/50p 16:9	480i 16:9 , 7.5 IRE	D1	D2	D3	D4	D5
			ON	OFF	OFF	ON	OFF
46	720/50p 16:9	480 4:3 , 7.5 IRE	D1	D2	D3	D4	D5
			ON	OFF	OFF	OFF	OFF
No	SDI Input	CVBS Output	MINI Switch Setup (D6 OFF)				
47	720/50p 16:9	480i 16:9 , 7.5 IRE	D1	D2	D3	D4	D5
			ON	OFF	OFF	ON	ON
48	720/50p 16:9	480 4:3 , 7.5 IRE	D1	D2	D3	D4	D5
			ON	OFF	OFF	OFF	ON

No	SDI Input	YUV Output	MINI Switch Setup (D6 OFF)				
			D1	D2	D3	D4	D5
49	1080/59.94i 16:9	720/59.94p 16:9	D1	D2	D3	D4	D5
			OFF	OFF	OFF	ON	OFF
50	1080/59.94i 16:9	720/59.94p 4:3	D1	D2	D3	D4	D5
			OFF	OFF	OFF	OFF	OFF
51	1080/59.94i 16:9	720/50p 16:9	D1	D2	D3	D4	D5
			OFF	ON	OFF	ON	OFF
52	1080/59.94i 16:9	720/50p 4:3	D1	D2	D3	D4	D5
			OFF	ON	OFF	OFF	OFF
53	1080/50i 16:9	720/59.94p 16:9	D1	D2	D3	D4	D5
			OFF	OFF	OFF	ON	OFF
54	1080/50i 16:9	720/59.94p 4:3	D1	D2	D3	D4	D5
			OFF	OFF	OFF	OFF	OFF
55	1080/50i 16:9	720/50p 16:9	D1	D2	D3	D4	D5
			OFF	ON	OFF	ON	OFF
56	1080/50i 16:9	720/50p 4:3	D1	D2	D3	D4	D5
			OFF	ON	OFF	OFF	OFF

## Down Conversion continued

No	SDI Input	YUV Output	MINI Switch Setup (D6 OFF)				
			D1	D2	D3	D4	D5
57	1080/59.94i 16:9	480i 16:9, 0 IRE	D1	D2	D3	D4	D5
			ON	OFF	ON	ON	OFF
58	1080/59.94i 16:9	480 4:3, 0 IRE	D1	D2	D3	D4	D5
			ON	OFF	ON	OFF	OFF
59	1080/59.94i 16:9	576i 16:9	D1	D2	D3	D4	D5
			ON	ON	OFF	ON	OFF
60	1080/59.94i 16:9	576i 4:3	D1	D2	D3	D4	D5
			ON	ON	OFF	OFF	OFF
No	SDI Input	CVBS Output	MINI Switch Setup (D6 OFF)				
61	1080/59.94i 16:9	480i 16:9, 0 IRE	D1	D2	D3	D4	D5
			ON	OFF	ON	ON	ON
62	1080/59.94i 16:9	480 4:3, 0 IRE	D1	D2	D3	D4	D5
			ON	OFF	ON	OFF	ON
63	1080/59.94i 16:9	576i 16:9	D1	D2	D3	D4	D5
			ON	ON	OFF	ON	ON
64	1080/59.94i 16:9	576i 4:3	D1	D2	D3	D4	D5
			ON	ON	OFF	OFF	ON

No	SDI Input	YUV Output	MINI Switch Setup (D6 OFF)				
			D1	D2	D3	D4	D5
65	1080/50i 16:9	480i 16:9, 0 IRE	D1	D2	D3	D4	D5
			ON	OFF	ON	ON	OFF
66	1080/50i 16:9	480 4:3, 0 IRE	D1	D2	D3	D4	D5
			ON	OFF	ON	OFF	OFF
67	1080/50i 16:9	576i 16:9	D1	D2	D3	D4	D5
			ON	ON	OFF	ON	OFF
68	1080/50i 16:9	576i 4:3	D1	D2	D3	D4	D5
			ON	ON	OFF	OFF	OFF
No	SDI Input	CVBS Output	MINI Switch Setup (D6 OFF)				
69	1080/50i 16:9	480i 16:9, 0 IRE	D1	D2	D3	D4	D5
			ON	OFF	ON	ON	ON
70	1080/50i 16:9	480 4:3, 0 IRE	D1	D2	D3	D4	D5
			ON	OFF	ON	OFF	ON
71	1080/50i 16:9	576i 16:9	D1	D2	D3	D4	D5
			ON	ON	OFF	ON	ON
72	1080/50i 16:9	576i 4:3	D1	D2	D3	D4	D5
			ON	ON	OFF	OFF	ON

## Down Conversion continued

No	SDI Input	YUV Output	MINI Switch Setup (D6 OFF)				
			D1	D2	D3	D4	D5
73	1080/59.94i 16:9	480i 16:9 , 7.5 IRE	D1	D2	D3	D4	D5
			ON	OFF	OFF	ON	OFF
74	1080/59.94i 16:9	480 4:3 , 7.5 IRE	D1	D2	D3	D4	D5
			ON	OFF	OFF	OFF	OFF
No	SDI Input	CVBS Output	MINI Switch Setup (D6 OFF)				
75	1080/59.94i 16:9	480i 16:9 , 7.5 IRE	D1	D2	D3	D4	D5
			ON	OFF	OFF	ON	ON
76	1080/59.94i 16:9	480 4:3 , .5 IRE	D1	D2	D3	D4	D5
			ON	OFF	OFF	OFF	ON

No	SDI Input	YUV Output	MINI Switch Setup (D6 OFF)				
			D1	D2	D3	D4	D5
77	1080/50i 16:9	480i 16:9 , 7.5 IRE	D1	D2	D3	D4	D5
			ON	OFF	OFF	ON	OFF
78	1080/50i 16:9	480 4:3 , 7.5 IRE	D1	D2	D3	D4	D5
			ON	OFF	OFF	OFF	OFF
No	SDI Input	CVBS Output	MINI Switch Setup (D6 OFF)				
79	1080/50i 16:9	480i 16:9 , 7.5 IRE	D1	D2	D3	D4	D5
			ON	OFF	OFF	ON	ON
80	1080/50i 16:9	480 4:3 , 7.5 IRE	D1	D2	D3	D4	D5
			ON	OFF	OFF	OFF	ON

## Standard / Format Conversion

No	SDI Input	YUV Output	MINI Switch Setup (D6 OFF)				
			D1	D2	D3	D4	D5
81	480i 4:3	480i 16:9, 0 IRE	D1	D2	D3	D4	D5
			ON	OFF	ON	ON	OFF
82	480i 16:9	480 4:3, 0 IRE	D1	D2	D3	D4	D5
			ON	OFF	ON	OFF	OFF
83	480i 4:3	576i 16:9	D1	D2	D3	D4	D5
			ON	ON	OFF	ON	OFF
84	480i 16:9	576i 4:3	D1	D2	D3	D4	D5
			ON	ON	OFF	OFF	OFF
No	SDI Input	CVBS Output	MINI Switch Setup (D6 OFF)				
85	480i 4:3	480i 16:9, 0 IRE	D1	D2	D3	D4	D5
			ON	OFF	ON	ON	ON
86	480i 16:9	480 4:3, 0 IRE	D1	D2	D3	D4	D5
			ON	OFF	ON	OFF	ON
87	480i 4:3	576i 16:9	D1	D2	D3	D4	D5
			ON	ON	OFF	ON	ON
88	480i 16:9	576i 4:3	D1	D2	D3	D4	D5
			ON	ON	OFF	OFF	ON

No	SDI Input	YUV Output	MINI Switch Setup (D6 OFF)				
			D1	D2	D3	D4	D5
89	576i 4:3	480i 16:9, 0 IRE	D1	D2	D3	D4	D5
			ON	OFF	ON	ON	OFF
90	576i 16:9	480 4:3, 0 IRE	D1	D2	D3	D4	D5
			ON	OFF	ON	OFF	OFF
91	576i 4:3	576i 16:9	D1	D2	D3	D4	D5
			ON	ON	OFF	ON	OFF
92	576i 16:9	576i 4:3	D1	D2	D3	D4	D5
			ON	ON	OFF	OFF	OFF
No	SDI Input	CVBS Output	MINI Switch Setup (D6 OFF)				
93	576i 4:3	480i 16:9, 0 IRE	D1	D2	D3	D4	D5
			ON	OFF	ON	ON	ON
94	576i 16:9	480 4:3, 0 IRE	D1	D2	D3	D4	D5
			ON	OFF	ON	OFF	ON
95	576i 4:3	576i 16:9	D1	D2	D3	D4	D5
			ON	ON	OFF	ON	ON
96	576i 16:9	576i 4:3	D1	D2	D3	D4	D5
			ON	ON	OFF	OFF	ON

## Standard / Format Conversion

No	SDI Input	YUV Output	MINI Switch Setup (D6 OFF)				
			D1	D2	D3	D4	D5
97	480i 4:3	480i 16:9 , 7.5 IRE	D1	D2	D3	D4	D5
			ON	OFF	OFF	ON	OFF
98	480i 16:9	480 4:3 , 7.5 IRE	D1	D2	D3	D4	D5
			ON	OFF	OFF	OFF	OFF
No	SDI Input	CVBS Output	MINI Switch Setup (D6 OFF)				
99	480i 4:3	480i 16:9 , 7.5 IRE	D1	D2	D3	D4	D5
			ON	OFF	OFF	ON	ON
100	480i 16:9	480 4:3 , 7.5 IRE	D1	D2	D3	D4	D5
			ON	OFF	OFF	OFF	ON
No	SDI Input	YUV Output	MINI Switch Setup (D6 OFF)				
101	576i 4:3	480i 16:9 , 7.5 IRE	D1	D2	D3	D4	D5
			ON	OFF	OFF	ON	OFF
102	576i 16:9	480 4:3 , 7.5 IRE	D1	D2	D3	D4	D5
			ON	OFF	OFF	OFF	OFF
No	SDI Input	CVBS Output	MINI Switch Setup (D6 OFF)				
103	576i 4:3	480i 16:9 , 7.5 IRE	D1	D2	D3	D4	D5
			ON	OFF	OFF	ON	ON
104	576i 16:9	480i 4:3 , 7.5 IRE	D1	D2	D3	D4	D5
			ON	OFF	OFF	OFF	ON



## Standard / Format Conversion

No	SDI Input	YUV Output	MINI Switch Setup (D6 OFF)				
			D1	D2	D3	D4	D5
105	720/59.94p 16:9	720/59.94p 4:3	D1	D2	D3	D4	D5
			OFF	OFF	OFF	OFF	OFF
106	720/59.94p 16:9	720/50p 16:9	D1	D2	D3	D4	D5
			OFF	ON	OFF	ON	OFF
107	720/59.94p 16:9	720/50p 4:3	D1	D2	D3	D4	D5
			OFF	ON	OFF	OFF	OFF
108	720/50p 16:9	720/59.94p 16:9	D1	D2	D3	D4	D5
			OFF	OFF	OFF	ON	OFF
109	720/50p 16:9	720/59.94p 4:3	D1	D2	D3	D4	D5
			OFF	OFF	OFF	OFF	OFF
110	720/50p 16:9	720/50p 4:3	D1	D2	D3	D4	D5
			OFF	ON	OFF	OFF	OFF
111	1080/59.94i 16:9	1080/59.94i 4:3	D1	D2	D3	D4	D5
			OFF	OFF	ON	OFF	OFF
112	1080/59.94i 16:9	1080/50i 16:9	D1	D2	D3	D4	D5
			OFF	ON	ON	ON	OFF
113	1080/59.94i 16:9	1080/50i 4:3	D1	D2	D3	D4	D5
			OFF	ON	ON	OFF	OFF
114	1080/50i 16:9	1080/59.94i 16:9	D1	D2	D3	D4	D5
			OFF	OFF	ON	ON	OFF
115	1080/50i 16:9	1080/59.94i 4:3	D1	D2	D3	D4	D5
			OFF	OFF	ON	OFF	OFF
116	1080/50i 16:9	1080/50i 4:3	D1	D2	D3	D4	D5
			OFF	ON	ON	OFF	OFF

## Specifications

<b>Input Interface</b>	<ul style="list-style-type: none"><li>• 1x HD/SD-SDI input</li></ul> 4:2:2 SDI Video data supports SMPTE 292M standard at 1.5G Mbps.
<b>Output Interface</b>	<ul style="list-style-type: none"><li>• 1 X CVBS, BNC connector 75Ohms</li><li>• 1 X YUV, 3 x BNC connectors, 75Ohms</li></ul>
<b>HD-YUV signal</b>	<ul style="list-style-type: none"><li>• Bandwidth 30MHz &lt; +/- 3dB</li><li>• S/N Ratio &gt; 60 dB</li><li>• Multiburst <math>\leq</math> 1dB at 30Mhz</li></ul>
<b>SD-YUV signal</b>	<ul style="list-style-type: none"><li>• Non Linearity <math>\leq</math> 1%</li><li>• S/N Ratio &gt;60 dB</li><li>• Multiburst <math>\leq</math> 1 dB (Y:5MHz, PbPr:2.5MHz)</li></ul>
<b>Operating &amp; Temperature</b>	<ul style="list-style-type: none"><li>• 0°C to 40°C (32°F to 102°F)</li></ul>
<b>Humidity</b>	<ul style="list-style-type: none"><li>• 10% to 90% (non condensing)</li></ul>
<b>Dimension &amp; Weight</b>	<ul style="list-style-type: none"><li>• 280mm (W) x 120mm (D) x 50mm (H) / 0.9Kgs</li></ul>
<b>Power</b>	<ul style="list-style-type: none"><li>• Output DC 12V / 0.5A (6W)</li></ul>



# Service & Support

It is our goal to make your products ownership a satisfying experience. Our supporting staff is available to assist you in setting up and operating your system. Please refer to our web site [www.datavideo.com](http://www.datavideo.com) for answers to common questions, support requests or contact your local office below.

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