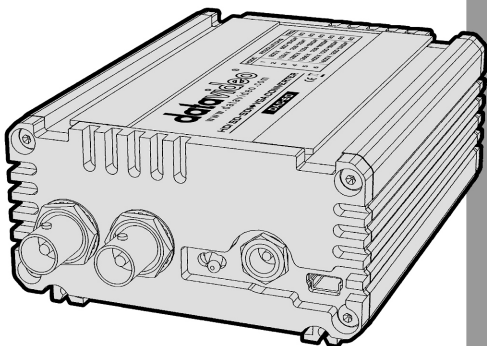


# datavideo



## **HD/SD-SDI TO VGA CONVERTER DAC-60**

## **Quick Start Guide**

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

# 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-tek.com](http://www.datavideo-tek.com) or contact your local Datavideo office or authorized Distributors
- ◆ Certain parts with limited lifetime expectancy such as LCD Panels, DVD Drives, 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.

## Disposal



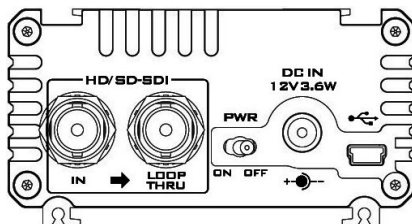
### For EU Customers only - WEEE Marking

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

# Packing List

1	x	DAC-60
1	x	Switching Adaptor 12V/500mA
1	x	DAC-60 Quick Start Guide
1	x	User Adjust Tool CD

## Front Panel



### HD/SD - SDI IN / OUT

HD/SD - SDI input and pass-through output connectors.

### PWR



ON OFF

### Power Switch

Switches the power On / Off.

DC IN  
12V3.6W



### DC In Socket

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

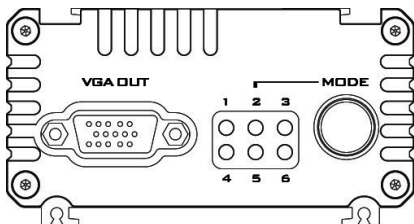


### USB



Upgrades Firmware/ Control Box by PC

## Rear Panel



### VGA Output

Connects your VGA equipment to this connector



### LED

The LEDs indicate VGA output format



### Mode Select

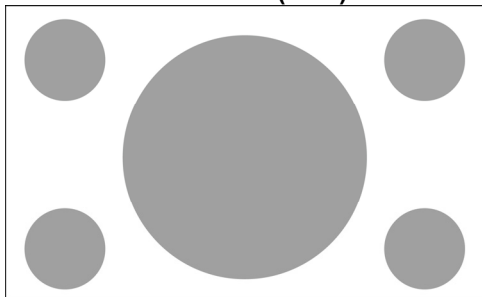
Selects VGA Output Format (Please see the Page 9 for more details).

Press and hold down this button for 3 second into **TV SCREEN MODE**, and then press this button again to switch screen ratio mode.

Note: OPTIMAL RATIO = 16:9 mode

DAC-60 has **Full Screen, Dot by Dot and Optimal Ratio**  
3 kind aspect ratio modes (Mini Switch).

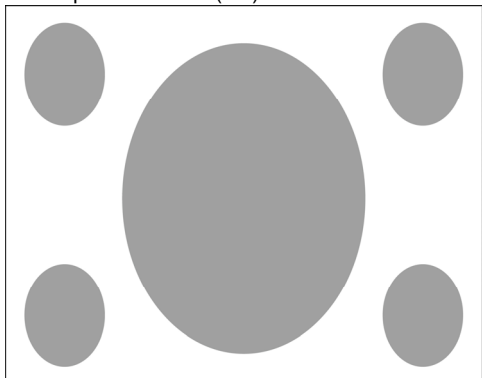
**Source = 1920x1080 (16:9)**



**1. Full Screen Mode**

Source = 1920x1080 (16:9)

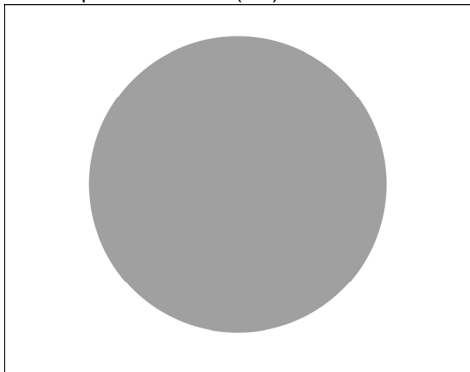
Output = 800x600 (4:3)



## 2. Dot by Dot Mode

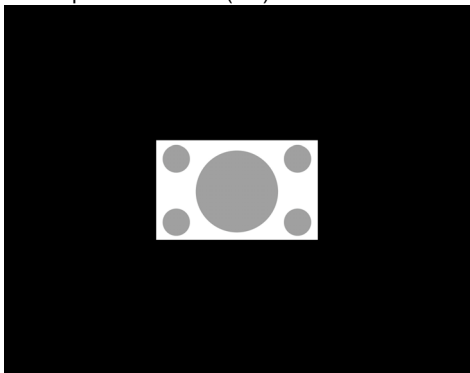
A. Source = 1920 x 1080 (16:9)

Output = 800 x 600 (4:3)



B. Source = 720 x 480i 60

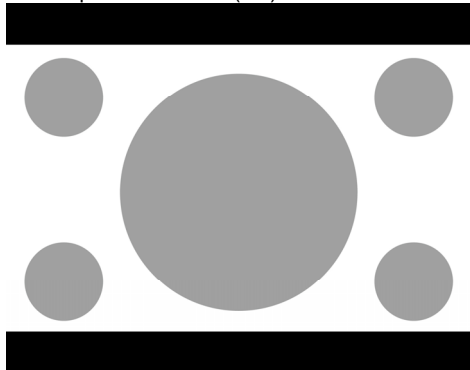
Output = 800 x 600 (4:3)



### 3. Optimal Ratio Mode

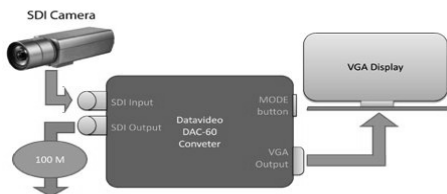
Source = 1920 x 1080 (16:9)

Output = 800 x 600 (4:3)



## DAC-60 installation

1. First make sure your equipment is not connected to power or disconnect all power connectors before connecting the video equipment.
2. Connect Video Source (SDI) to the BNC input connector.
3. Connect VGA equipment to the VGA connector.
4. Connect optional SDI equipment to the BNC output connector.
5. Connect the +12V DC power adapter to the converter.





## LED Indication

DAC-60 can work with nine presets, which can be selected by pressing the menu button.

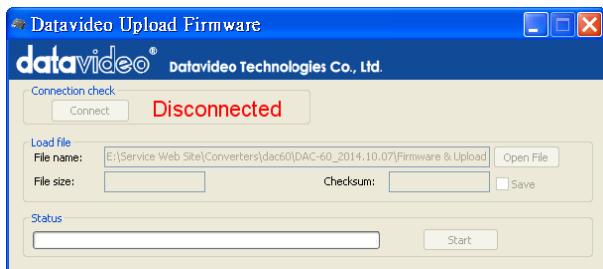
Resolution	LED Indication
800 x 600 60Hz	●○○ ○○○
1024 x 768 60Hz	○●○ ○○○
1280 x 800 60Hz	○○● ○○○
1280 x 1024 60Hz	○○○ ●○○
1366 x 768 60Hz	○○○ ○●○
1400 x 1050 60Hz	○○○ ○○●
1600 x 1200 60Hz	●●○ ○○○
1920 x 1080 60Hz	○●● ○○○
1920 x 1200 60Hz	○○● ●○○
●: LED ON    ○: LED OFF	

## Firmware Upgrade

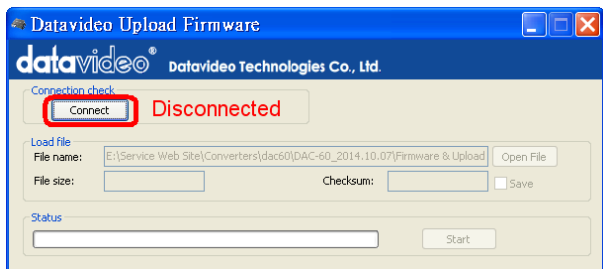
Firmware is upgradable in the field using the integrated USB port.

Step 1- Connect DAC-60 to PC by USB cable. Connects the supplied 12V PSU to DC in socket and turn off power.

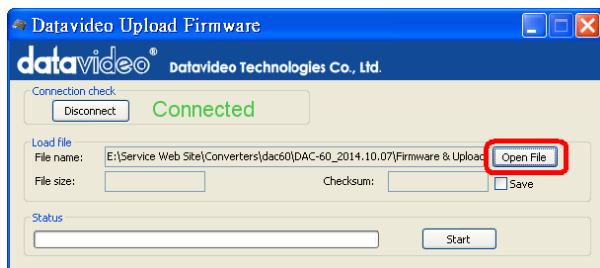
Step 2- Open upload firmware program tools.exe and turn on DAC-60 power.



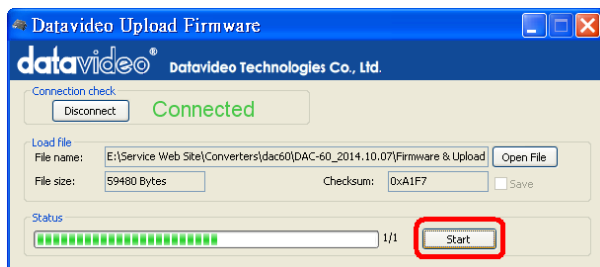
Step 3 - press the **Connect** button.



Step 4 - Press **Open File** button to select firmware.



Step 5 - Press **Start** button to update the firmware.



Step 6 - close upload firmware program tools

**Note:** The latest Firmware updates and Software applications for DAC-60 can be obtained by contacting your local Datavideo office or dealer. A list of regional Datavideo offices is provided at the rear of this manual.

## DAC-60 Center Utility features

Please copy the DAC-60 Center.exe utility software from the supplied CD to your Windows computer. Now connect the DAC-60 by USB cable to the same computer. Switch on the DAC-60 and then launch the DAC-60 Center utility software.

Note: When the application is on, the first priority is PC.

Control Priority	Function
1	PC controller (Application)
2	Box Controller (Button)

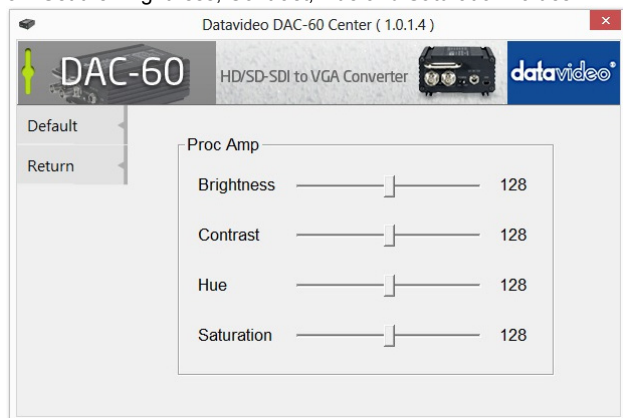
1. Click on the **Information** tab to display the input format & firmware version.



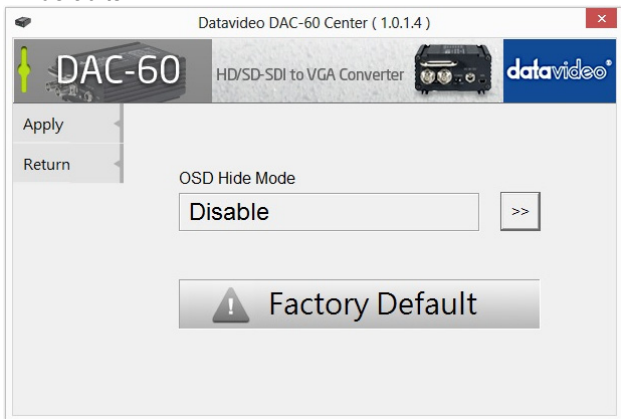
- 2.1 Click on the **Video** tab to enter the video setup.
- 2.2 Set the aspect ratio and output format then click **Apply**.



- 3.1 Click the **Proc AMP** tab to adjust the picture settings.
- 3.2 Set the Brightness, Contrast, Hue and Saturation values.



- 4.1 Click the **Setting** tab to access the restore factory defaults window.
- 4.2 Set the OSD Hide Function **Enable/ Disable**.
- 4.3 Click the **Factory Default** button to reset the DAC-60 to factory defaults.



## Specifications

<b>Supported Input Video Formats</b>	SD - 720 x 480 i / 720 x 576 i HD - 1280 x 720 50p/60p/59.94p 1920 x 1080 50i/60i/59.94i 1920 x 1080 24p/25p/30p 3G - 1920 x 1080 50p/60p/59.94p
<b>SDI Formats</b>	SD-SDI (SMPTE 259M) HD-SDI (SMPTE 292M) 3G-SDI (SMPTE 494M/495M)
<b>VGA Output Formats</b>	800 x 600 1024 x 768(XGA projector) 1280 x 800(WXGA projector) 1280 x 1024 1366 x 768 1400 x 1050 1600 x 1200 1920 x 1080 1920 x 1200(WUXGA projector)
<b>Re-clock Function</b>	Yes (Default)
<b>Firmware Updates</b>	Via USB
<b>Software Support</b>	Yes (OS: Windows XP/ Windows 7)
<b>Coaxial Cable Type</b>	RG6/RG59 (75Ω)
<b>Cable Equalization</b>	3G: 140m of RG6/ 100m of RG59 HD: 200m of RG6/ 140m of RG59 SD: 400m of RG6/ 280m of RG59
<b>Input Connections</b>	1 x BNC [SDI]
<b>Output Connections</b>	1 x VGA 1 x BNC [SDI]
<b>BNC Connectors</b>	3G 75 Ω inter-locked socket
<b>Button</b>	Switch VGA Format
<b>Power Source</b>	AC 100 ~ 240 V / DC (12V/3.6W)

# 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.

## **Datavideo Taiwan**

Datavideo Technologies Co. Ltd  
10F. No. 176, Jian 1st Rd., Chung Ho  
District, New Taipei City 235, Taiwan,  
R. O. C.

Tel: +886-2-8227-2888

Fax: +886-2-8227-2777

E-mail: [service@datavideo.com.tw](mailto:service@datavideo.com.tw)

## **Datavideo Europe**

Datavideo Technologies Europe BV  
Floridadreef 106  
3565 AM Utrecht,  
The Netherlands

Tel: +31-30-261-96-56

Fax: +31-30-261-96-57

E-mail: [info@datavideo.nl](mailto:info@datavideo.nl)

## **Datavideo United Kingdom**

Datavideo UK Limited  
Units1 & 2 Waterside Business Park  
Hadfield, Glossop, Derbyshire  
SK13 1BE, UK

Tel: +44-1457 851 000

Fax: +44-1457 850 964

E-mail: [sales@datavideo.co.uk](mailto:sales@datavideo.co.uk)

## **Datavideo USA**

Datavideo Corporation  
7048 Elmer Avenue.  
Whittier, CA 90602,  
U.S.A.

Tel: +1-562-696 2324

Fax: +1-562-698 6930

E-mail: [sales@datavideo.us](mailto:sales@datavideo.us)

## **Datavideo China**

Datavideo Technologies China Co  
101, NO. 618, LiuYing Rd, Zhabei District,  
Shanghai, China

Tel: +86 21-5603 6599

Fax: +86 21-5603 6770

E-mail: [service@datavideo.cn](mailto:service@datavideo.cn)

## **Datavideo Singapore**

Datavideo Technologies (S) PTE Ltd  
No. 178 Paya Lebar Road #06-03  
Singapore 409030

Tel: +65-6749 6866

Fax: +65-6749 3266

E-mail: [sales@datavideo.sg](mailto:sales@datavideo.sg)

## **Datavideo Hong Kong**

Datavideo Hong Kong Ltd  
G/F., 26 Cross Lane  
Wanchai, Hong Kong  
Tel: +852-2833-1981

Fax: +852-2833-9916

E-mail: [info@datavideo.com.hk](mailto:info@datavideo.com.hk)

## **Datavideo France**

Datavideo France s.a.r.l  
Cit  Descartes 1, rue Albert Einstein  
Champs sur Marne  
774477-Marne la Vall e cedex 2

Tel: +33-1-60370246

E-mail: [info@datavideo.fr](mailto:info@datavideo.fr)

## **Datavideo India**

Datavideo Technologies India Pvt L  
A-132, Sec-63, Noida-201307,  
Uttar Pradesh (UP), India.

Tel: +91-0120-2427337

Fax: +91-0120-2427338

E-mail: [sales@datavideo.in](mailto:sales@datavideo.in)



Please refer to our website for update the latest version manual.

[www.datavideo.com/Converters/DAC-60](http://www.datavideo.com/Converters/DAC-60)

# datavideo

www.datavideo.com

All the trademarks are the properties of their respective owners.

Datavideo Technologies Co., Ltd. All rights reserved 2018

Jan.07.2015 P/N: G082060576B6