Easy Cut™

High Resolution Video Seamless Switcher/Scaler with Audio

New!

Model. ESC341

Inputs

Data	Vidéo
3 UXGA	**4** TVSD

Jusqu'à

Effects

Cut	Mémoire d'image

Other

HD

Direct access to freeze image

Computer Input selection

Take

LCD screen

Control Menu

Video Input selection

Internal power supply with on/off switch

RGB/YUV and C. Video inputs

RS232 for control and upgrade

Optional TCP/IP

Audio stereo In and Out

S.Video input

Computer Inputs/Output
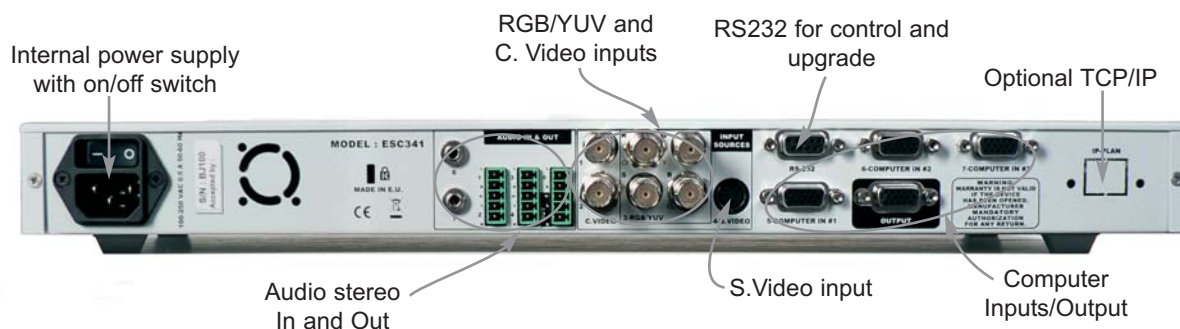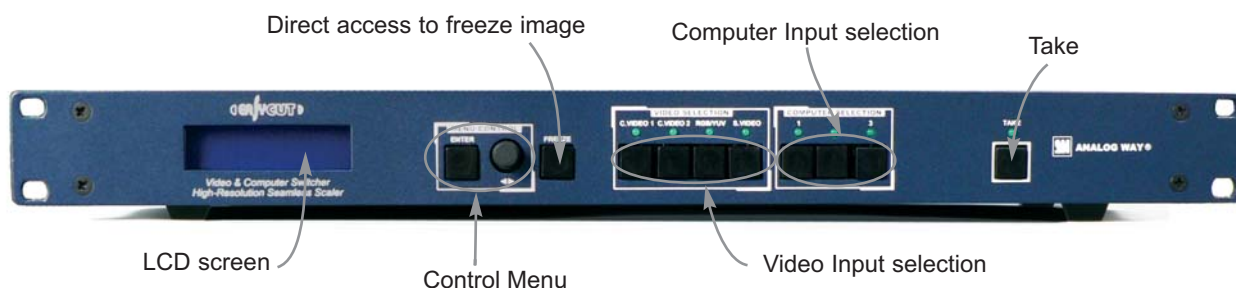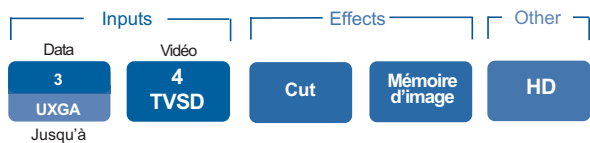
Inputs
- Inputs: YUV, Composite, S.Video, RGB, Computer

Outputs
- RGB output up to UXGA
- Computer output up to 1600x1200

Effects
- Cut and Smooth Switching
- Frame alert memory
- Freeze button

Others
- Aspect Ratio preserved
- Frame Rate Converter and Follower & ARC
- Auto 3:2/2:2 Pull Down
- Audio stereo Switcher
- RS232 Com Port
- Remote control software
- Optional TCP/IP control
- 19" rack case
- User-Friendly/Direct Access to Main Functionalities

ANALOG WAY®

Technical Specifications

Video Inputs
- **2 x Composite Video**
  PAL/SECAM = 15.625 kHz / 50Hz
  NTSC = 15.735 kHz / 60 Hz
  Black and White : 15 kHz/50-60Hz
- **1 x S.Video (Y/C)**
  PAL/SECAM = 15.625 kHz / 50Hz
  NTSC = 15.735 kHz / 60Hz
- **1 x Component or RGB/S or RGsB**
  15.625 kHz/50Hz - 625L
  15.735 kHz/60Hz - 525L
  RGB/YUV (0.7 Vp/p)
  Sync (TTL or 0.3V Analog)
  RGsB (SOG: 0.3V Analog)
- **Audio Stereo Input**

Computer Inputs (active loopthrough)
- **3 x Computer (PC, Mac) RGBHV, RGB/S**
  Resolution from 640 x 480 up to 1600 x 1200

Display Output
- **For Video Input:**
  - 2 x RGBHV, RGBS or RGsB selectable (buffered H & V separate Sync. or Composite sync.)
  - RGB = 0.7 Vp/p (75 Ohms load)
  - Selectable output resolution: 4/3: SVGA: 800x600
    XGA: 1024x768
    SXGA: 1280x1024
    SXGA+: 1400x1050
    UXGA: 1600x1200
    16/9: WVGA: 852x480
    720p: 1280x720
    WXGA: 1366x768 (D-ILA)
- **For Computer input:** from VGA to UXGA (24 kHz to 85 kHz), RGB HV/S identical to the input (buffered loopthrough)
- **Audio stereo output**

User Controls and Connectors
FRONT PANEL
- **Input Selection** from Input 1 to 7
- **Freeze**: Freeze button
- **Effect selection**: Cut, fade, titling
- **Take**
- **LCD Window & control buttons for**:
  - Sharpness, brightness, contrast, color, hue
  - Overscan/underscan
  - Aspect Ratio (Source & Screen)
  - Output format & Sync.
  - Horizontal and vertical position and size adjustments
  - Front panel control locking

REAR PANEL
- **Input Connectors:**
  - Composite 1: BNC connector
  - Composite 2: BNC connector
  - S.Video: Y/C Mini DIN connector
  - RGB/S & Component: 3/4 BNC connectors
  - Computer: HD15F connector
  - Audio: MCO 5 pin connector and 3.5mm jack stereo
- **Output Connectors:**
  - RGB on HD15
  - Audio: MCO 5 pin connector
- **Other:**
  - DB9-F: Dual RS232 COM Port for full control of the device and for control of distant display
  - RJ45: Optional Ethernet Control
  - IEC for mains + On/Off switch

Power Supply
Internal, Universal, and Automatic, 100 - 250 VAC; 50 / 60Hz (20W) (UL, CSA, CE)

Supplied with
- 1 x AC power cable
- 3 x MCO connectors
- 1 x Remote control software (CD)
- 1 x User manual

Dimensions: 19", 1 unit compatible
- D 10.43" x W 19" x H 1.74"
- D 265 mm x W 482 mm x H 44 mm

Weight: 3 kg / 6.6 lbs

Warranty
3 year warranty on parts and labor back to factory

Specifications subject to change without prior notice

Easy Cut™ by **Analog Way** combines the functions of a **High Resolution Video Scaler** with an **Audio Video Switcher**. It is a state of the art **Scaler / Line Multiplier / Quadrupler / Doubler** which significantly increases Video image resolution and brightness. 3 Computer inputs are provided for direct display of your presentations or Internet applications. It also allows Audio Stereo switching.

Easy Cut is fitted with 4 Video Inputs including one RGB or YUV component on BNC. **Easy Cut** outputs an Analog RGB HV Computer format on an HD15 connector.

Easy Cut includes 2 switching modes: Seamless or smooth switching. In seamless mode, the computer output format is identical to one of the 3 Computer inputs, the one selected as the reference. It is possible to switch with a seamless cut between this PC and any Video source.

Easy Cut features a non-volatile frame memory that can be used as a "welcome" or an "alert" message. This frame can be acquired from any Video input or it can be downloaded from a computer via RS232 or optional IP connection.

The very high quality decoder of the **Easy Cut** includes an advanced comb filter, an emphasized "natural" color processing, a highly robust sync. detection and a new enhanced 3D (pixel by pixel basis) auto-adaptive de-interlacing scheme (for motion artifacts). With automatic correction of the "film to video" transfer (3/2 & 2/2 pull down), it provides a superb image.

Image parameters such as brightness, contrast, color, aspect ratio and sharpness can be easily adjusted by the user. These parameters are stored for each Video input. A preset command enables to go back to factory settings. **Easy Cut** also features an automatic or manual stand-by mode, activated on the front panel or with the RS232 control. A second Com Port is available to automatically Start/Stop a distant display device according to the stand by status of the **Easy Cut**.

Black and white composite is also accepted (for industrial, security, camera applications, etc...) on **Easy Cut**. The input source aspect ratio 4/3, 16/9, widescreen can be selected as well as the size of the screen (4/3 - 16/9). The frame conversion & time base correction make it a great solution for Profesionnal AV and Home Theater applications.

Reference

> **ESC341:** Easy Cut™

Option

- **OPT-LAN:** Optional TCP/IP control interface

Cables for Easy Cut

- S.Video Cables from 1.8m / 6ft to 20m / 66 ft
- VGA Cables of 0.4m / 1.3ft and 1.8m / 6ft
- VGA/BNC Adaptor of 1.8m / 6ft and 3m / 10ft
- Remote Cables from 0.5m / 1.6ft to 30m / 100ft
- Jack Stereo Cable of 1.2m / 4ft