

SDI2HDMI-S

Scaling

User Manual

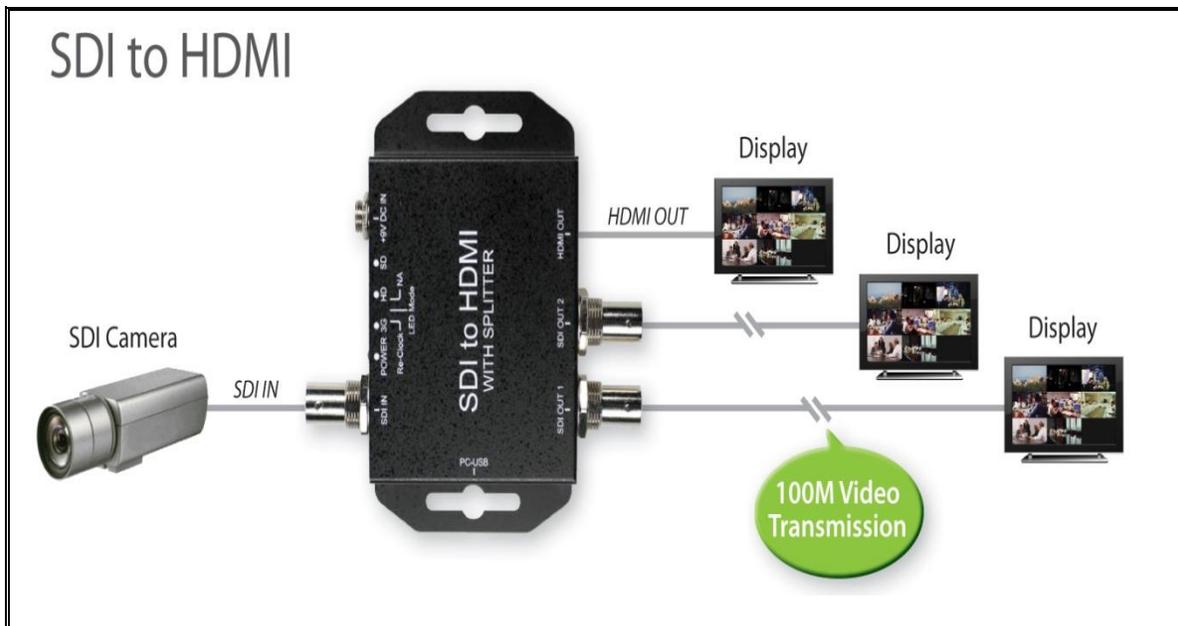


2012.04.26

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- Supports HD format :
 - 720p 50 & 60
 - 1080i50 & 60
 - 1080p24, 25, 30, 50 & 60
- Support 525i & 625i SD D1 format
- Auto 3G/HD/SD-SDI detection
- Firmware is upgradable in the field using the integrated USB port
- The converter is Plug-and-Play
- Dual output are available (SDI & HDMI)
- One 3G-SDI source to two 3G-SDI devices



Front Panel



NO	Component	Function
1	SDI Output Port	From your SDI Display Device plug into these ports (Pass Through)
2	HDMI Output Port	From your HDMI Display Device plug into these ports

Rear Panel



NO	Component	Function
1	Power Jack	The Power adapter plug into here.
2	LEDs indicate	The LEDs is indicate Input/output Format
3	MODE Button	Select Format/Zoom Function
4	SDI Input Port	From your SDI Source plug into these ports



NO	Component	Function
1	USB Connector	Upgrade Firmware/Control Box by PC

Installation

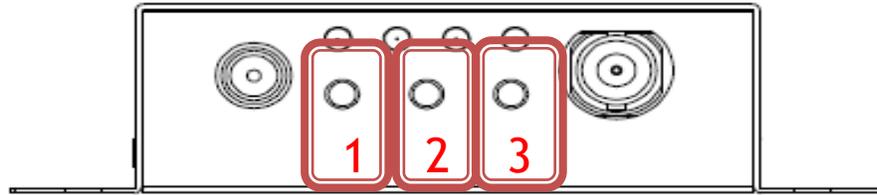
HD2SDI-S installation consists of the following:

1. Disconnect +12DC adaptor to converter.
2. Connect Video Source (SDI) to the BNCs Connector.
3. Connect HDMI equipment to the HDMI connector
4. Connect the +12DC adaptor to the converter.

Package Contents

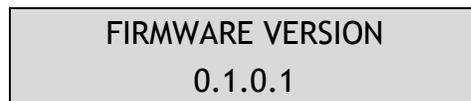
The HDMI MUX BOX package contains the following items:

- User Manual x 1
- +12 DC Adapter x 1
- SDI2HD-S Converter x 1



● **Firmware Version:**

Pull the button 3 and 2 can be show the firmware version.



● **Box Default:**

Pull all button (1, 2 and 3), the box auto reset to default.

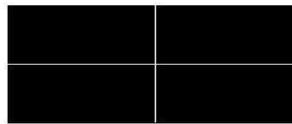
Pattern Genertor Mode:

input signal is plug out, the Box auto change to Pattern Genertor mode.

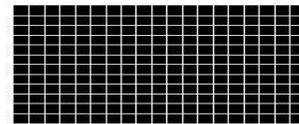
It is provided the 13 of Mode



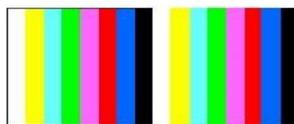
(1) white screen



(2) cross



(3) cross hatch



(4) color bar



(5) horizontal gray scale



(6) white window



(7) ramp



(8) wide horizontal ramp



(9) wide vertical ramp



(10) diagonal lines



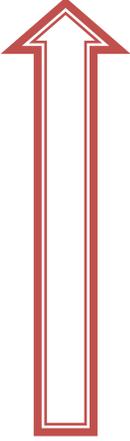
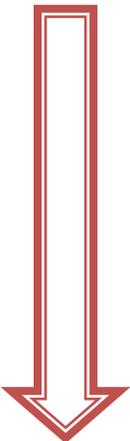
(11) red screen



(12) green screen



(13) blue screen

Button 2	Format	Button 3
	BLUE	
	GREEN	
	RED	
	DIAGONAL	
	WV RAMP	
	WH RAMP	
	H RAMP	
	WINDOW	
	GRAY	
	COLOR BAR	
	HATCH	
	CROSS	
	WHITE	

- **Switch Format:**

If Pull the button the button 1, the box is setting to Output Format Mode and Framse number by button 2 and 3.

		
By Pass		
720x480	60i	59.94i
	60p	59.94p
720x576	50i	
	50p	
1280x720	60p	59.94p
	50p	
1920x1080i	60i	59.94i
	50i	
1920x1080p	60p	59.94p
	50p	
	30p	29.97p

	25p	
	24p	23.97p

 : is default format at change button 1 after.

● **LED indicate: (Switch Format Mode)**

	SD LED	HD LED	3G LED
BY PASS	●	●	●
720 x 480	○	○	●
720 x 576	○	●	○
1280 x 720	○	●	●
1920 x 1080i	●	○	○
1920 x 1080p	●	○	●

● : LED ON

○ : LED OFF

● **LED indicate: (In normal Mode)**

Resolution	SD LED	HD LED	3G LED	Power LED
NTSC / PAL	●	○	○	●
720p / 1080i / 1080 [24p,25p, 30p]	○	●	○	●
1080 [50p,60p] / 2K	○	○	●	●
No-Signal	○	○	○	●

● / ● : LED ON

○ : LED OFF

Specifications

DESCRIPTION	
Support Video Resolution	SD – 720 x 480 i / 720 x 576 i HD– 1280 x 720 24p/25p/30p/50p/60p 1920 x 1080 50i/60i 1920 x 1080 24p/25p/30p 3G– 1920 x 1080 50p/60p
SDI format	SD-SDI(SMPTE 259M) HD-SDI(SMPTE 292M) 3G-SDI (SMPTE 494M/495M)
HDMI format	720x480 60i/60p/59.94i/59.97p 720x576 50i/50p 1280x720 50p/60p/59.94p 1920x1080 50i/60i/59.94i 1920x1080 50p/60p/59.94p/ 1920x1080 24p/25p/30p/23.97p/29.97p
Re-clock Function	Yes (Default)
Coaxial Cable Type	RG6/RG59(75 Ω)
Cable Equalization	3G: 140m of RG6/ 100m of RG59 HD: 200m of RG6/ 140m of RG59 SD: 400m of RG6/ 280m of RG59
Input	1 x BNCs [SDI]
Output	1 x HDMI 2 x SDI
BNC Connector	3G 75 Ω inter-locked socket
HDMI Connector	TYPE A [19-pin female]
Button	Format Up/Down and Zoom In/Out
Housing	SECC
Dimension	L:104mm x W:63.3mm xH:26mm
Power Source	Power Adapter: AC 100 ~ 240 V/DC (+6 ~ 15 V)

Operation Temperature	0~50° C [32~114° F]
Storage Temperature	-20~+60° C

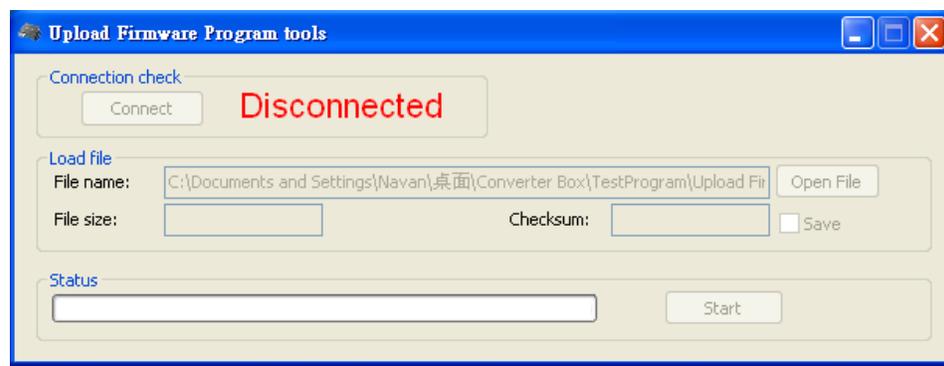
Firmware Upload

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

How to Firmware upgrade:

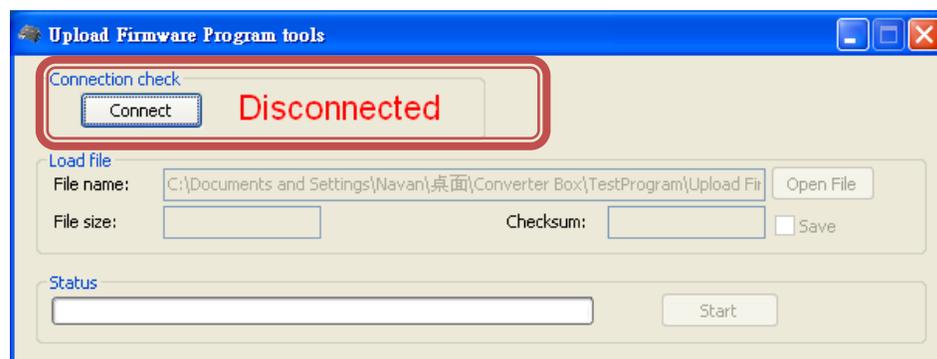
Step 1.

Open Upload Firmware Program tools.exe and connect box to PC by USB Cable.



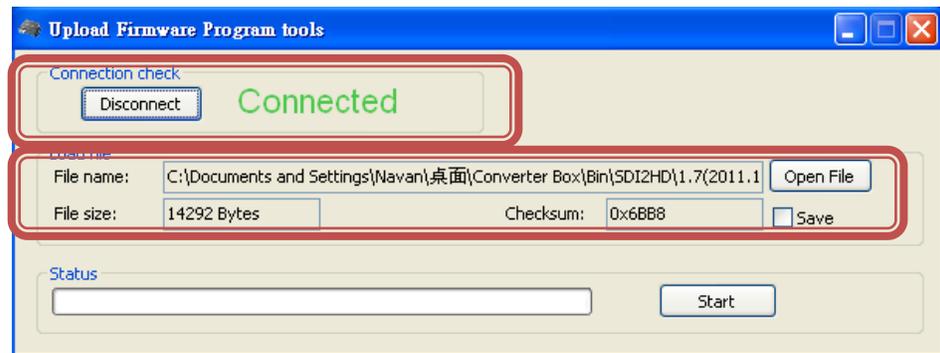
Step 2.

Plug and un-plug “DC adapter” to power on/off the converter box (the connection check status will be changed to “Connect”)



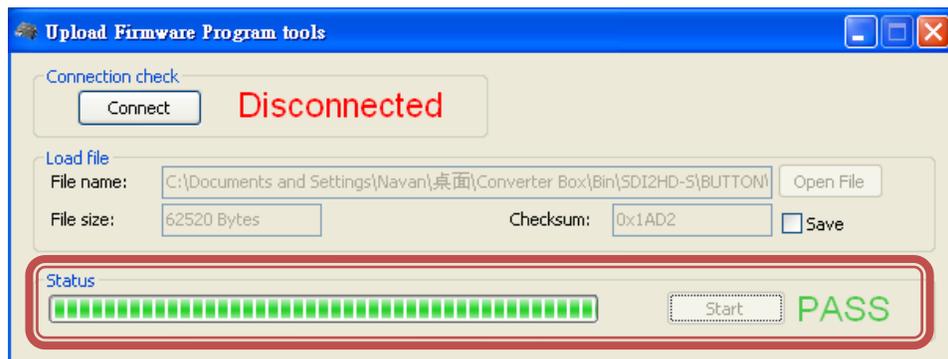
Step 3.

Plug and un-plug “DC adapter” again (the connection check status will be changed to “Connected”) and Please click the Open File button to select the firmware bin file.



Step 4.

Please click “Start’ Button to proceed with new firmware programming. The PASS message will appear when the procedures finished.



Step 5.

Close Upload Firmware Program tools

