

SDI2SDI-S

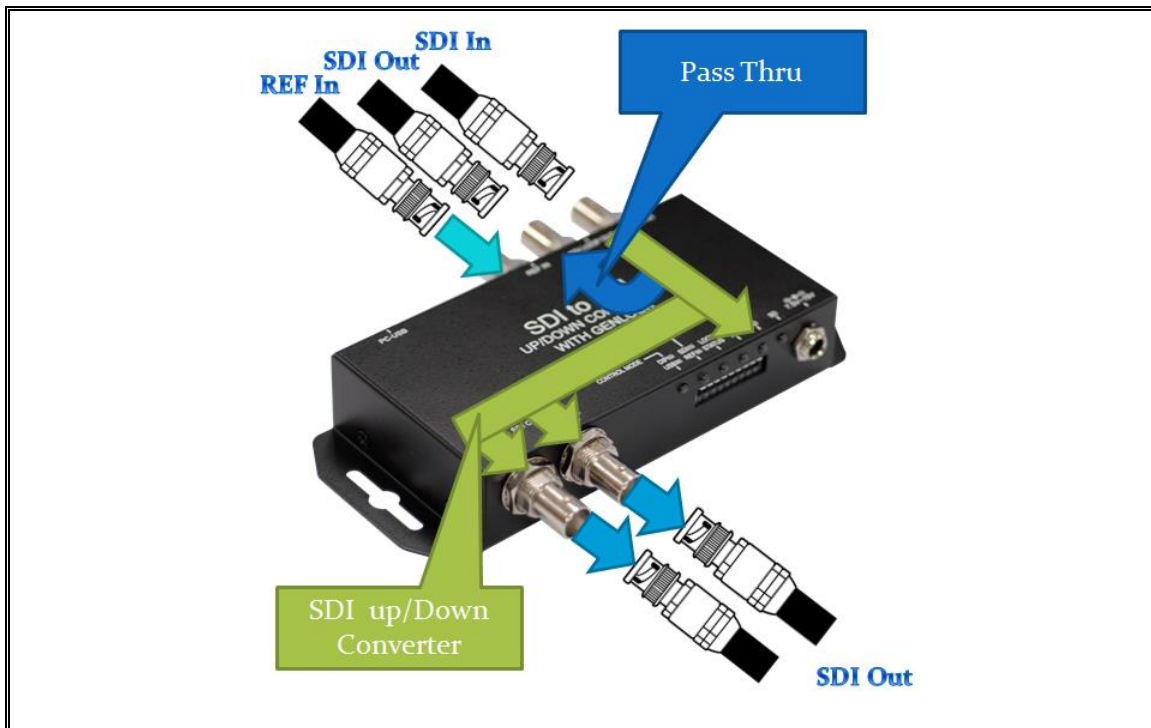
With Genlock User Guide



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- SDI Supports HD formats :
 - 720p50 & 60
 - 1080i50 & 60
 - 1080p24, 25, 30, 50 & 60
- SDI Support 525i & 625i SD D1 format
- SDI support RGB/YUV 4:4:4 Sampled
- Auto 3G/HD/SD-SDI detection
- Can be split one 3G-SDI displays simultaneously.
- Frame rate conversion(1.000/1.001)
- External Dipswitch and Usb Configuration
- Firmware is upgradable in the field using the integrated USB port
- The converter is Plug-and-Play



Front Panel



NO	Component	Function
1	SDI Output port (Up/Down Conversion)	From your SDI Display Device plug into this ports
2	Indicate Box LED	The LEDs are indicate Box configuration
3	Dipswitch	Setting configuration for Box
4	Power Jack	The Power adapter plug into here.

Rear Panel



NO	Component	Function
1	Power Jack	The Power adapter plug into here.
2	SDI Input Port	From your SDI Source Device plug into this ports
3	Sync Input Port	From you external Sync Device plug into this port
4	USB Connector	Upgrade Firmware/Control Box by PC

DipSwitch/LED Control





NO	Component	Function
1	Control Mode	Control Box from Dipswitch or USB
2	Genlock Mode	Select Genlock Source(Free/SDI/Ref)
3	Aspect Ratio	Select Aspect Ratio
4	Output Format	Select Output Format

◆ Control Mode:

Control Box from Dipswitch or USB.





Control Mode	Dipswitch Indicates
DipSwitch	
USB	

◆ Genlock mode:

Select Genlock Mode









Input Source	Dipswitch Indicates
Free	

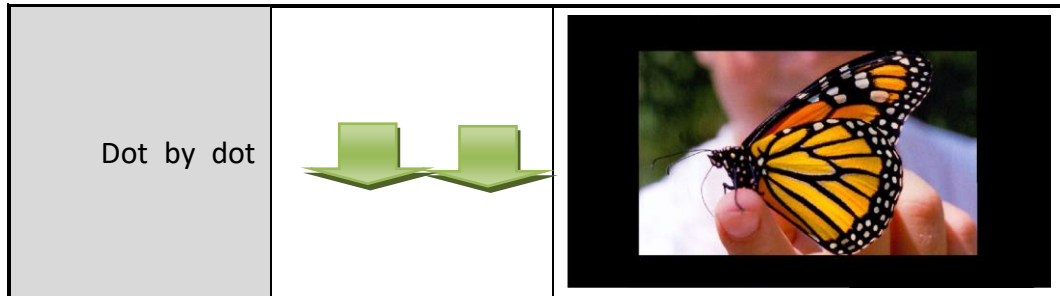
	SDI	
	Ref	

◆ **Output Source:**

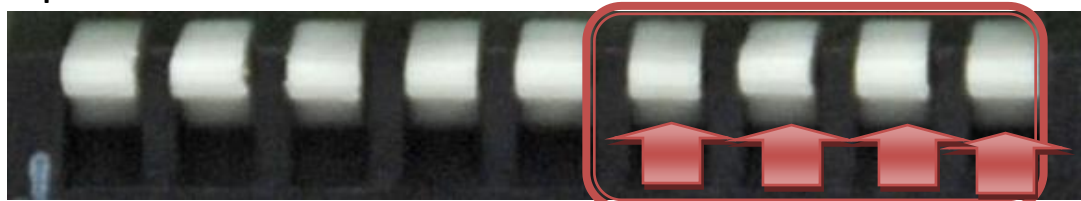
Select Output Aspect Ratio



Output Source	Dipswitch Indicates	
Full Screen		
16:9		
4:3		



◆ **Output Format:**



Resolution	Dipswitch Indicates	Resolution	
1920x1080p60	↑↑↑↑	1920x1080i60	↓↑↑↑
1920x1080p59	↑↑↑↓	1920x1080i59	↓↑↑↓
1920x1080p50	↑↑↓↑	1920x1080i50	↓↑↓↑
1920x1080p30	↑↑↓↓	1280x720p60	↓↑↓↓
1920x1080p29	↑↓↑↑	1280x720p59	↓↓↑↑
1920x1080p25	↑↓↑↓	1280x720p50	↓↓↑↓
1920x1080p24	↑↓↓↑	720x480i59	↓↓↓↑
1920x1080p23	↑↓↓↓	720x576i50	↓↓↓↓

Genlock Mode

	480 i59	576 i50	720 p60	720 p59	720 p50	1080 i60	1080 i59	1080 i50	1080 p60	1080 p59	1080 p50
480i 59	●			●			●			●	
576i 50		●			●			●			●
720p 60			●								
720p 59				●							
720p 50					●						
1080 i60			●			●			●		
1080 i59	●			●			●			●	
1080 i50					●			●			●
1080 p60			●			●			●		

1080 p59	●			●			●			●	
1080 p50					●			●			●

● : Frame Lock

● : Genlock

Installation

SDI2SDIS installation consists of the following:

1. Disconnect +12DC adaptor to converter.
2. Connect Video Source to the Input Connector.
3. Connect Display Equipment to the output's connector
4. Connect the +12DC adaptor to the converter.

Package Contents

The SDI2SDIS package contains the following items:

- User Manual x 1
- +12 DC Adapter x 1
- SDI2SDIS Converter x 1

Specifications

DESCRIPTION	SDI2SDI-S
SDI Format	SD-SDI, HD-SDI & 3G-SDI
SDI Transition Rate	2.970Gb/s, 1.485Gb/s and 270Mb/s
Audio Support	Up to 8 channel.
Coaxial Cable Type	RG6/RG59(75Ω)
Cable Equalization	3G: 100m of RG6/ 86m of RG59 HD: 170m of RG6/ 120m of RG59 SD: 400m of RG6/ 280m of RG59 *1 RG6: CANARE L-5CFB Cable / RG59: Belden 9275 Cable *2 Cable Length Performance: Depending on SDI Signal and Cable Quality
Input Source	SDI X 1 Ref X1
Output Source	1 X SDI + 1 x SDI Pass Thru (the same time)
Firmware Updates	Via Mini-USB
Output Connector	2 x BNC [SDI]
Input Connector	1 x BNC [SDI] 1 x BNC [Ref In]
BNC Connector	3G 75 Ω inter-locked socket
USB Connector	Mini-USB
Dipswitch	Genlock Mode/Aspect Ratio/Output format
Housing	SECC
Dimension	
Power Source	Power Adapter: AC 100 ~ 240 V/DC (+9 ~ 15 V)
Operation Temperature	0~50°C [32~114°F]
Storage Temperature	-20~+60°C

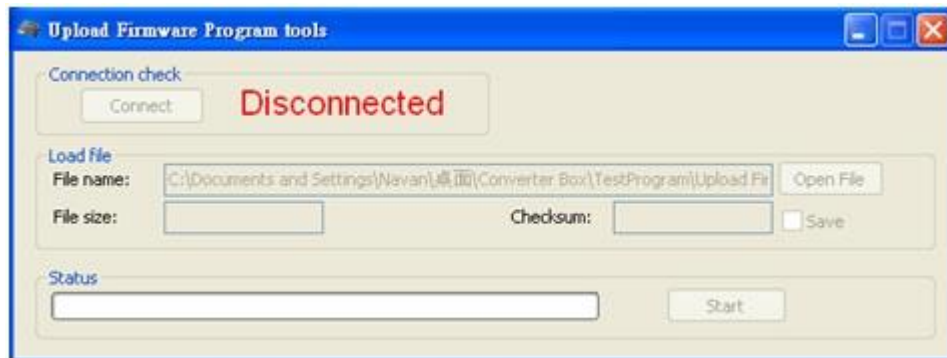
Firmware Upload

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

How to Firmware upgrade:

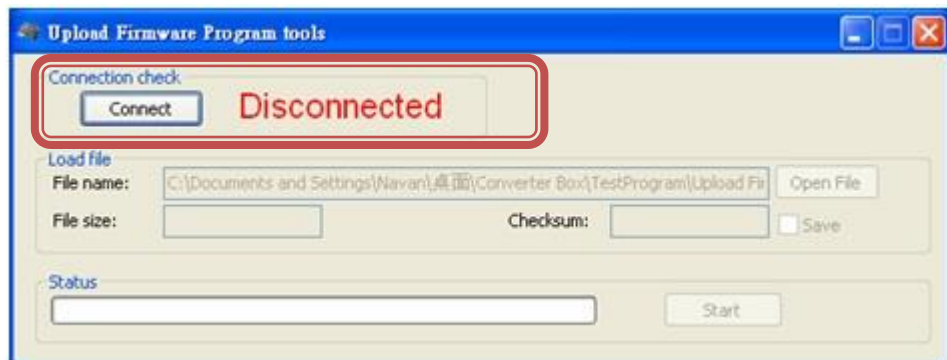
Step 1.

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



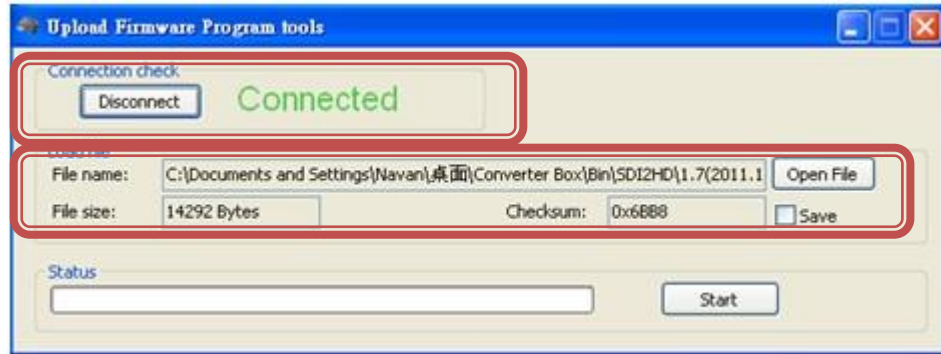
Step 2.

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



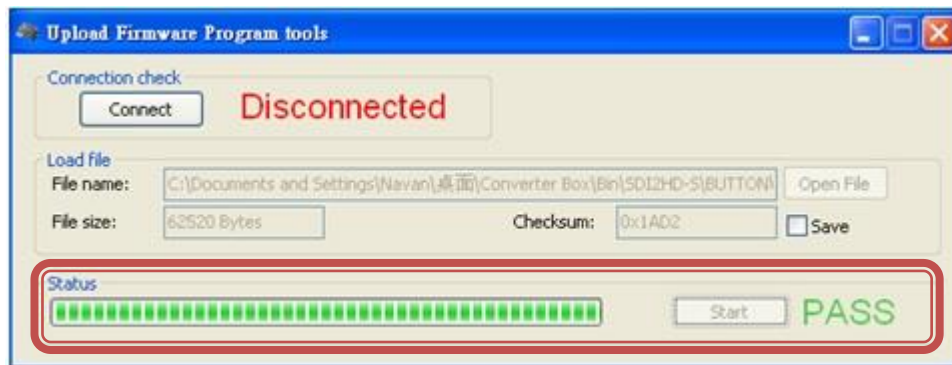
Step 3.

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

