

Connectronics

TM

CTX-SDI2SDI12G

Dual-Link 6G-SDI or Quad-Link 3G-SDI to Single-Link 12G-SDI Converter

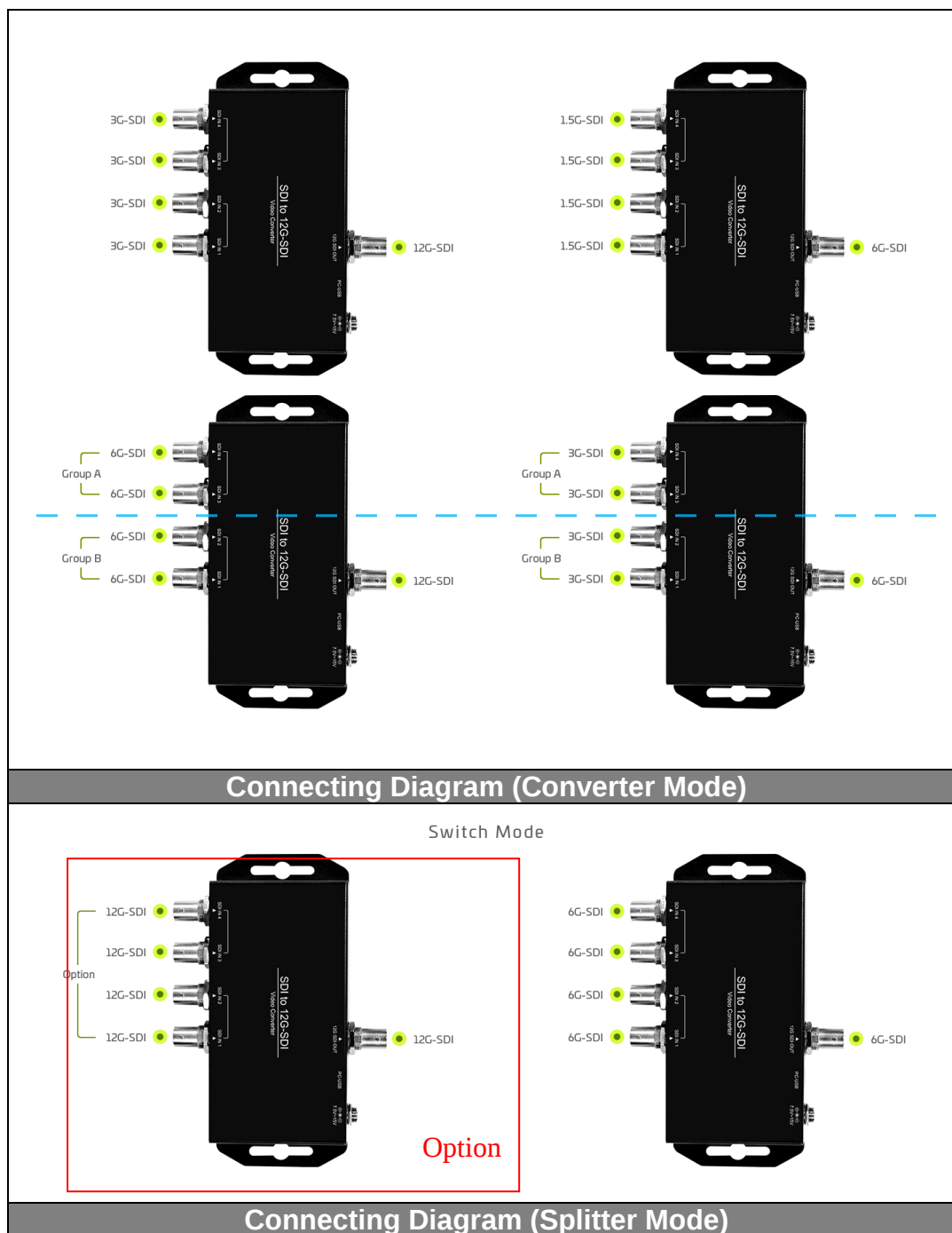


TABLE OF CONTENTS

1. FEATURE.....	3
2. PANEL.....	4
2.1. FRONT PANEL	4
2.2. REAR PANEL.....	4
3. DIP SWITCH	5
3.1. CONTROL (DIP SWITCH 1)	5
3.2. MODE (DIP SWITCH 2~3).....	5
3.3. SWITCHER (DIP SWITCH 4~5).....	5
4. SPECIFICATION.....	6
5. FIRMWARE UPLOAD	8
5.1. FIRMWARE UPGRADE	8
6. VERSION	10
6.1. V1.00.....	10
6.2. V1.10.....	10
6.3. V1.20.....	10

1. FEATURE

- Quad-Link 2 Sample Interleave (2SI) Input Supported
- Quad-Link 3G-SDI Input Supported
- Dual-Link 6G-SDI Input Supported
- Multi-Standard Support (12G/6G/3G/HD/SD-SDI)
- 3G-SDI Level A/B-Dual Link/B-Dual stream Support



2. PANEL

2.1. Front Panel

						
Mounting ears	12G-SDI In	6G-SDI In	6G-SDI In	6G-SDI In	Dip Switch (See Chapter 3 for detail)	Mounting ears
Front Panel						

2.2. Rear Panel

				
Mounting ears	Power (+6V ~ + 15V)	USB	12G-SDI Out	Mounting ears
Rear Panel				

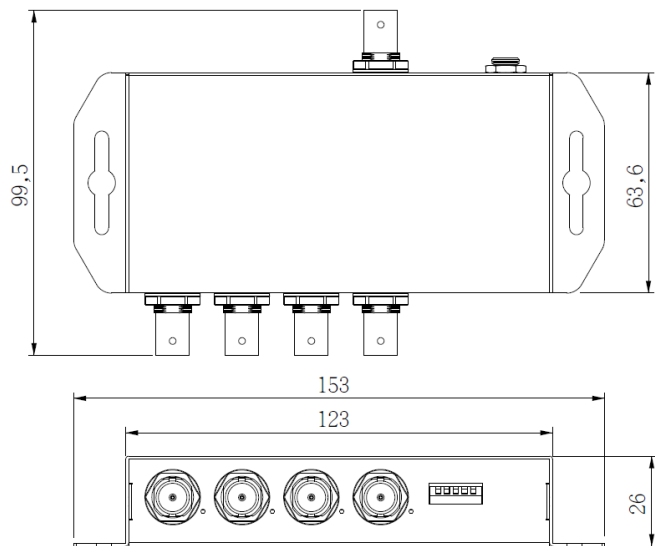
3. DIP SWITCH

SDI to 12G-SDI		Control		Mode		Switcher	
↑UP ↓DOWN							
1	Control	BIT1		Dip	1 ☐ 0 ☐	Quad Link	1 ☐ 0 ☐ 2 ☐ 3 ☐
2	Mode	BIT1		USB	1 ☐ 0 ☐	Dual Link	1 ☐ 0 ☐ 2 ☐ 3 ☐
3		BIT2			1 ☐ 0 ☐	Switcher	1 ☐ 0 ☐ 2 ☐ 3 ☐
4	Switch	BIT1				N/A	1 ☐ 0 ☐ 2 ☐ 3 ☐
5		BIT2					

					
Pin On (↑): ○	Pin OFF (↓): ●	DIP 1 Control mode	DIP 2~3 Mode	DIP 4~5 Switcher	
Dip Switch					

4. SPECIFICATION

SUPPORT STANDARD	
Support Video Resolution	SDI ● 12G-SDI/Dual-Link 6G-SDI/Quad-Link 3G-SDI ➢ 4096x2160p@60/50fps ➢ 3840x2160p@60/50fps ● 6G-SDI/Dual-Link 3G-SDI/Quad-Link HD-SDI ➢ 4096x2160p@30/25/24fps ➢ 3840x2160p@30/25/24fps ● 3G-SDI/Dual-Link HD-SDI ➢ 1920×1080p@60/50fps ● HD-SDI ➢ 1920×1080p@30/25/24fps ➢ 1920×1080i@60/50fps ➢ 1280×720p@60/50fps ● SD-SDI ➢ 720×480i@60fps ➢ 720×576i@50fps
SDI Format	SDI ● 12G-SDI ➢ 4096x2160p@60/50fps ➢ 3840x2160p@60/50fps ● 6G-SDI ➢ 4096x2160p@30/25/24fps ➢ 3840x2160p@30/25/24fps ● 3G-SDI ➢ 1920×1080p@60/50fps ● HD-SDI ➢ 1920×1080p@30/25/24fps ➢ 1920×1080i@60/50fps ➢ 1280×720p@60/50fps ● SD-SDI ➢ 720×480i@60fps ➢ 720×576i@50fps
Audio Input Format	SDI : 8 Channels, 24bit, 48KHz
Audio Output Format	SDI : 8 Channels, 24bit, 48KHz
Coaxial Cable Type	RG6 / RG59 (75Ω)

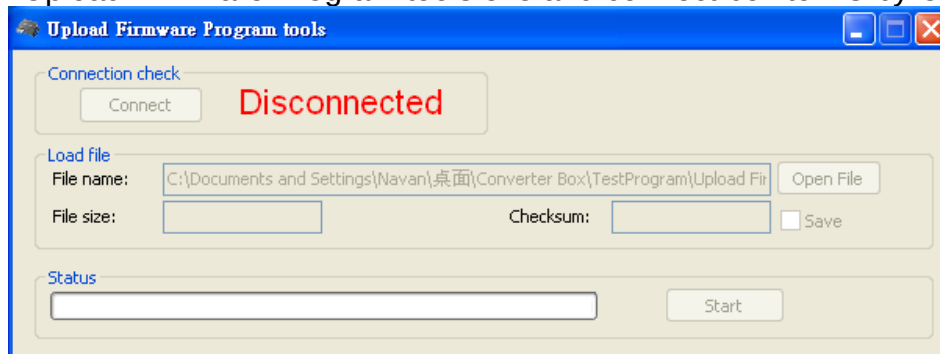
SUPPORT CONNECTOR	
Input	4 x BNC [SDI]
Output	1 x BNC [SDI]
BNC Connector	3G 75 Ω inter-locked socket
DIP Switch	6-pin [Control / Mode / Switcher]
ENVIRONMENT LIMITATION	
Housing	SECC
Dimension	 Technical drawing of the device showing dimensions: - Top View: Width 153, Depth 99.5 - Front View: Width 123, Height 26
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

5. FIRMWARE UPLOAD

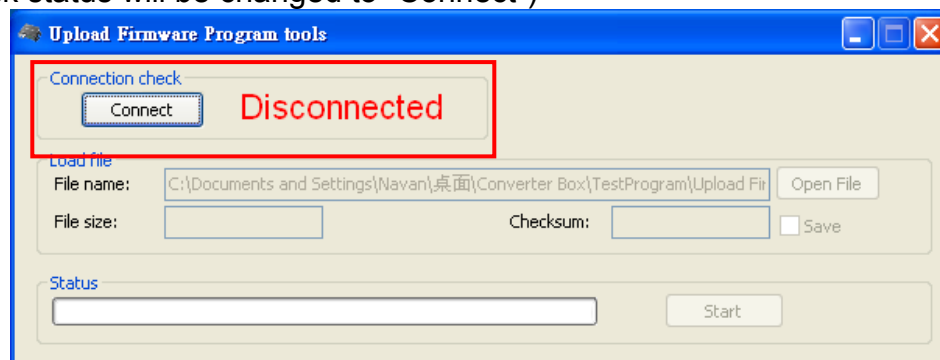
Firmware is upgradable in the field using the integrated USB port

5.1. Firmware Upgrade

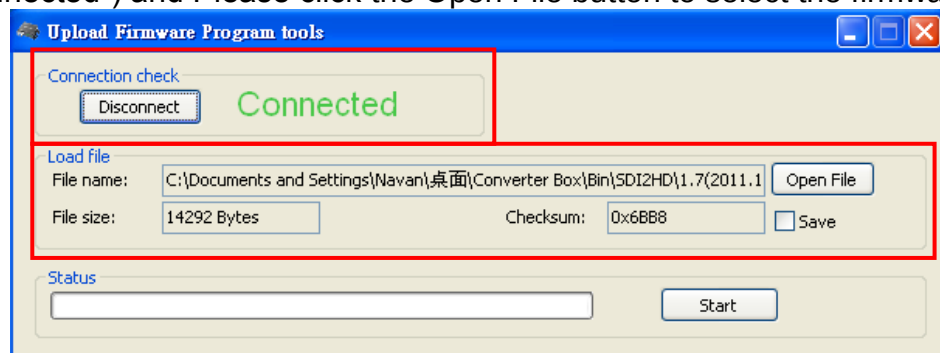
- Open Upload Firmware Program tools.exe and connect box to PC by USB Cable.



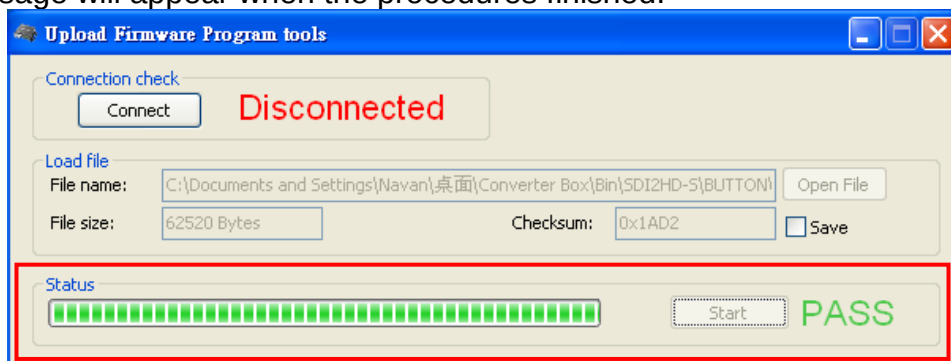
- Plug and un-plug “DC adapter” to power on/off the converter box (the connection check status will be changed to “Connect”)



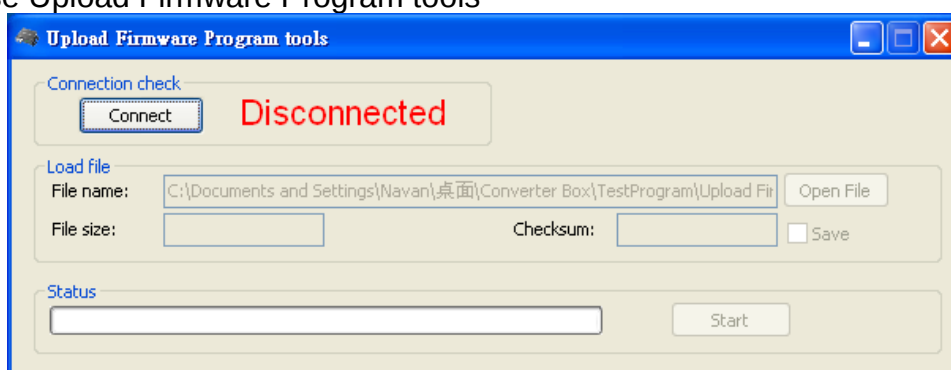
- Plug and un-plug “DC adapter” again (the connection check status will be changed to “Connected”) and Please click the Open File button to select the firmware bin file.



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



- Close Upload Firmware Program tools



6. Version

6.1. V1.00

- Initial version

6.2. V1.10

- Update connection diagram

6.3. V1.20

- Update photo
- Update name