



Product introduction

- **C1 UHD Signal Converter**

DigitalZone Co., Ltd.

C1SH : Product Introduction

- 12G SDI Input
- HDMI 2.0a Output
- UHD Scaler Included
- Signal Conversion from SDI to HDMI
- LCD Preview and Touch Control
- Built-In Web Server

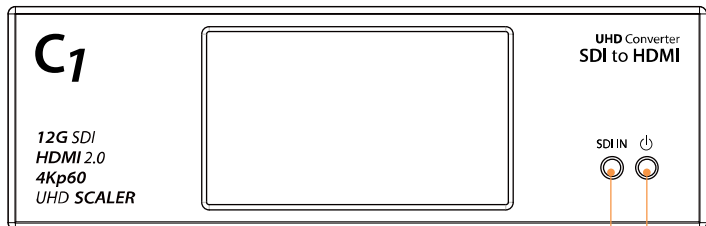
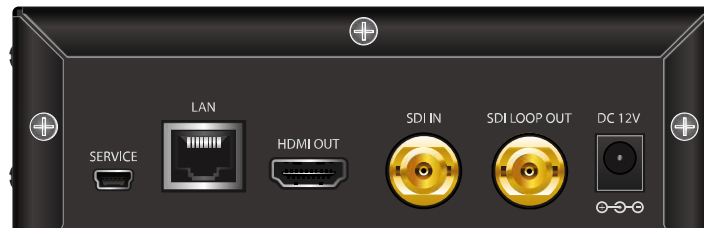
C1SH : Product View

▪ C1SH UHD Converter from SDI to HDMI, HVC-C1SH

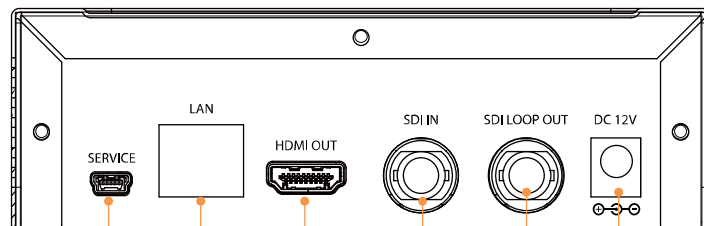
Front View



Rear View



SDI IN POWER



SERVICE Ethernet HDMI OUT SDI IN SDI Loop Out DC Power In

C1SH : Specification

▪ H/W Specification

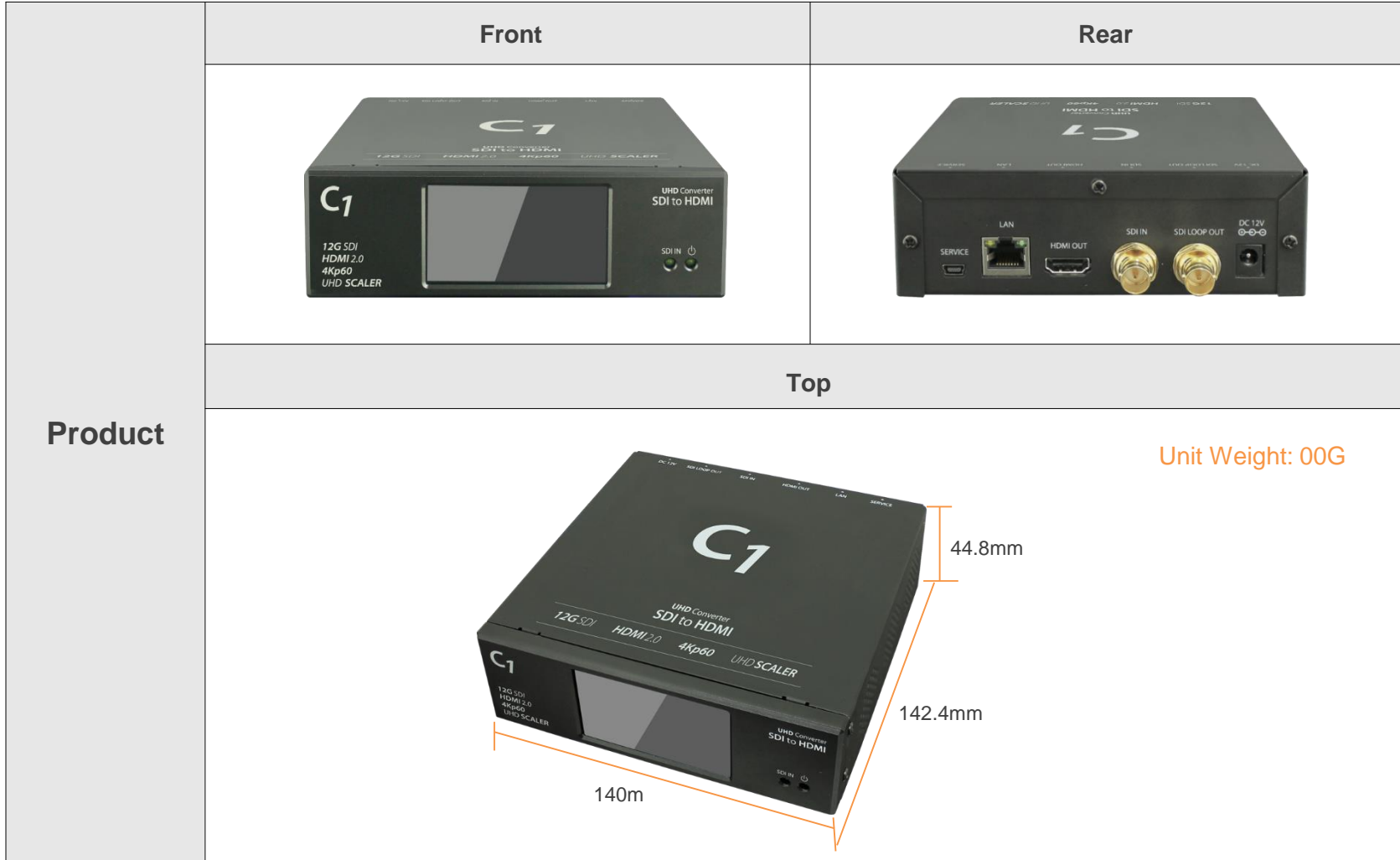
Item		Type	Q'ty	Spec
Input	SDI	BNC	1	12G SDI
Output	SDI Loop Out	BNC	1	12G SDI
	HDMI	A	1	HDMI 2.0a
UI		LCD + Touch	1	2.7" LCD + Capacitive Touch
Network		Ethernet RJ45	1	10/100Mbps
Power		DC-Jack	1	12V / 3.5A (TBD) Locking Type

▪ S/W Specification

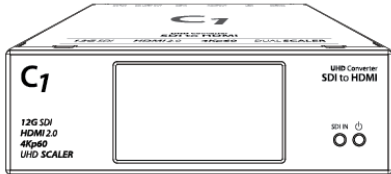
Item	Spec	Notes
Resolutions	720p, 1080i, 1080p,2160p	
Frame Rate	23.98, 24, 25, 29.97, 30, 50, 59.94, 60	
Up/Down Scaling	Any Resolution -> Any Resolution	
Frame Rate Conversion	Any Rate -> Any Rate	
Firmware Upgrade	Yes	Built-in Web Server using Ethernet
Preview Monitoring	Yes	Front 2.7" LCD
Status Monitoring	Yes	- Built-in Web Server - Front LCD
Control	Yes	- Built-in Web Server - Front LCD GUI



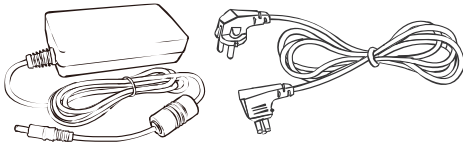
Package Information



C1SH : Package



C1SH UHD Converter SDI to HDMI

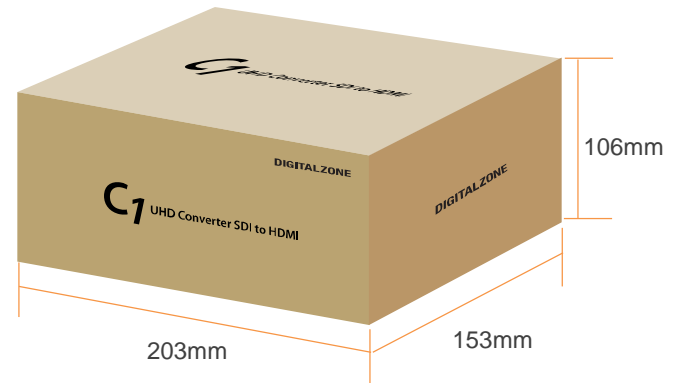


Adaptor & Power Code



User's Manual

Package Weight: 00 KG



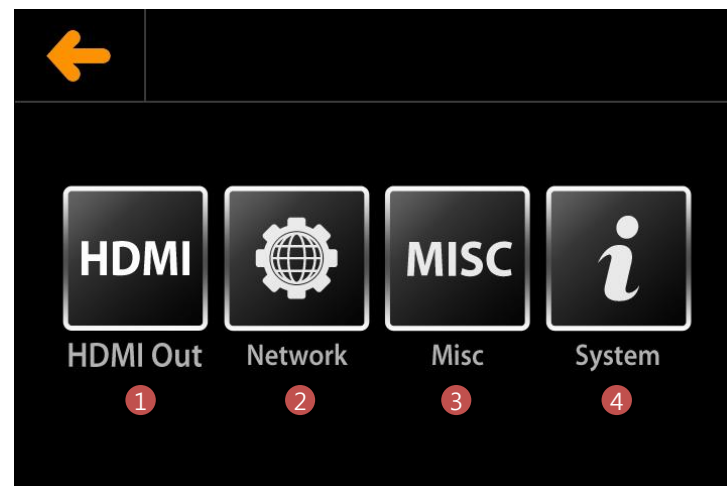
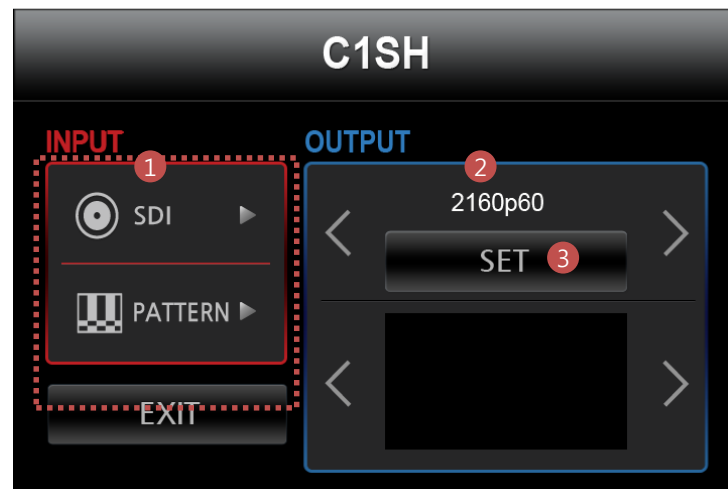
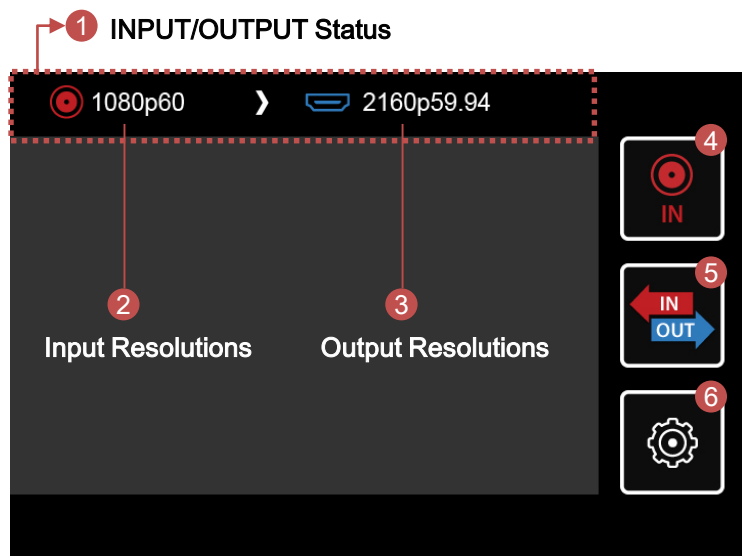
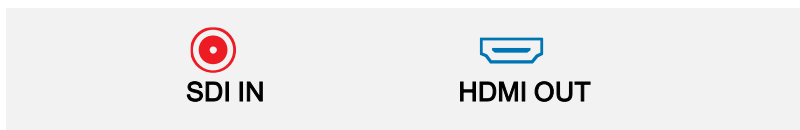


Special Features

C1SH : Supporting 12G SDI and HDMI 2.0a

- 12G SDI Input
 - ✓ Support HD, 3G Level A/B, 6G, 12G
- HDMI2.0a Output
 - ✓ Support up to 3840 x 2160@60p
- UHD Scaler included
 - ✓ Convert resolutions and frame rates
- Conversion
 - ✓ Convert signal from SDI to HDMI
- LCD Preview and Touch Control
 - ✓ Monitor inputs and outputs
 - ✓ Graphic User Interface and Touch Control
- Built-in Web Server
 - ✓ Monitor and Control inputs and outputs settings
 - ✓ Firmware update

C1SH : LCD Preview and Touch Control



- | | |
|-----------------------------|---|
| 1. INPUT/OUTPUT Status | Top GUI shows HDMI Output related settings |
| 2. Input Resolutions | Show the resolutions of input signals |
| 3. Output Resolutions | Show the resolutions of output signals |
| 4. IN/OUT Preview Selection | Rotate source of preview video from [SDI IN], [PATTERN IN] and [HDMI OUT] |
| 5. IN/OUT Setup | Show IN/OUT setup GUI |
| 6. System Settings | Show System-wide settings GUI |

C1SH : Built-in Webserver

VIDEO IN/OUT page shows input status and controls out resolutions.

The screenshot shows the 'VIDEO IN/OUT' page with two columns of controls. The left column has 'InSDI' and 'InHDMI' buttons, each with a 'No Signal' status box below it. The right column has 'OutSDI' and 'OutHDMI' buttons, each with a 'RESOLUTION' dropdown menu below it. A 'SEND' button is located at the bottom center. To the right of the controls is a grey box with the title 'How to set operation mode.' and four numbered steps.

How to set operation mode.

1. choose and click on Input Icon (InSDI or InHDMI)
2. choose and click on Output Icon (OutSDI or OutHDMI)
3. Select Resolution.
4. Press Send button.

F/W Update page performs firmware upgrading.

The screenshot shows the 'F/W Update' page. At the top, there are tabs for 'VIDEO IN/OUT' and 'F/W Update'. Below the tabs are four buttons: '+ Add files...', 'Start upload', 'Cancel upload', and 'Delete'. Below the buttons is a grey box titled 'SERVER FLASH UPLOADING INFO' containing the text 'SERVER connected, Waiting for Firmware Update'.

How to upgrade firmware

The diagram shows the 'F/W Update' page with two steps highlighted by red dashed boxes and numbered 1 and 2. Step 1 is the '+ Add files...' button, and step 2 is the 'Start upload' button. Other buttons like 'Cancel upload' and 'Delete' are also visible.

1. Press [Add files] and then select firmware. Firmware files extension should be .uda or .udf.
2. Press [Start upload] button

The screenshot shows the 'F/W Update' page with the upload progress. The '+ Add files...' button is now disabled. The 'Start upload' button is active, and a progress bar is shown. The file 'udc_release_app.bin.udf' is being uploaded, with a size of 15.54 MB. The progress bar is at 23.94%. The server status is 'SERVER connected, Waiting for Firmware Update'.

3. After uploading firmware, C1 performs upgrading firmware. You can see the status of upgrading on LCD Screen.

The diagram shows two stages of the firmware upgrade process on the LCD screen. The first stage is 'FIRMWARE UPGRADE' with 'Erase' and a timer of '02:45'. Below it, it says 'Please do not turn off system'. An arrow points to the second stage, which is 'FIRMWARE UPGRADE' with the text 'In order to complete upgrade, a system reboot is necessary. Please reboot now.'

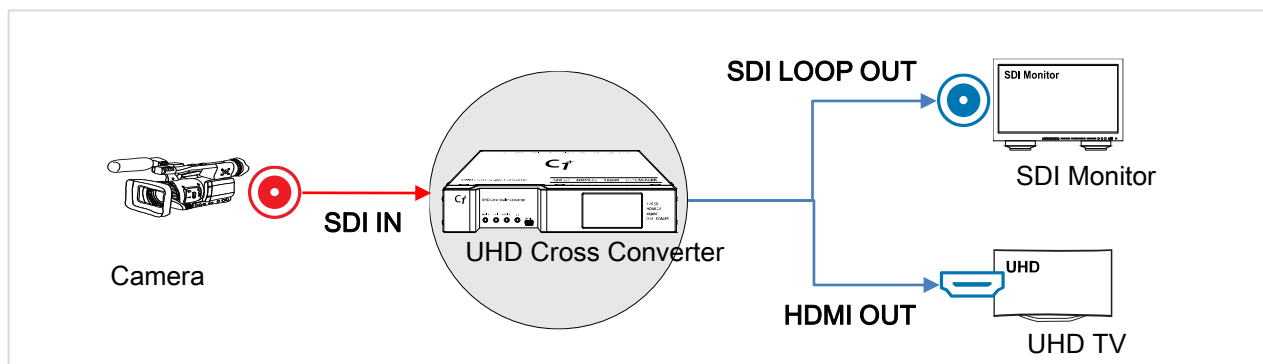
4. In order to complete upgrade, a system reboot is necessary.
5. Please reboot now.

C1SH : Operation Mode

SDI IN -> HDMI OUT, SDI LOOP OUT

SDI signal can be converted to HDMI signals.

Input SDI signals can be up or down scaled to outputs.



[Address]

- Address: No.1001 55, Digital-ro 33-gil, Guro-Gu, Seoul, Korea 08376

[Inquiry for product & order]

- Person in charge: Ms. Anna Lee (Chief Manager)
- E-mail: jylee@digitalzone.co.kr , jeong0207@gmail.com
- Telephone: +82 2 6330 2339 / + 82 10 3407 4485

[inquiry for shipment]

- Person in charge: Ms. Justine Hwang
- E-mail: jyhwang@digitalzone.co.kr
- Telephone: +82 2 6330 2358 / + 82 10 9088 4258