



Product introduction

- **C1 UHD Signal Converter**

DigitalZone Co., Ltd.

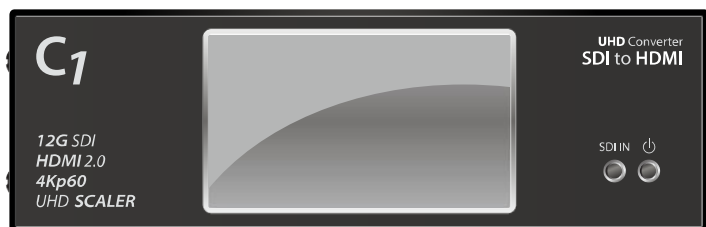
C1SH : Product Introduction

- 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

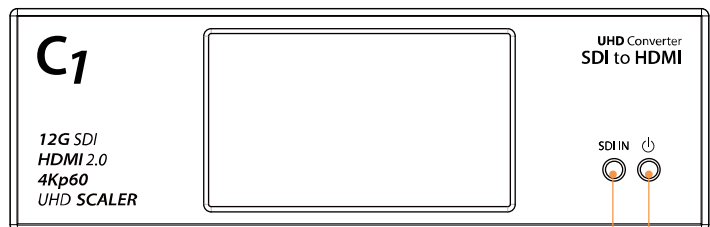
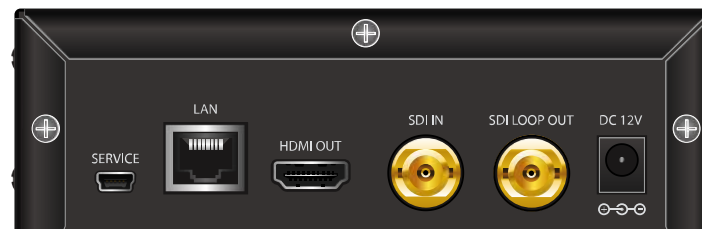
C1SH : Product View

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

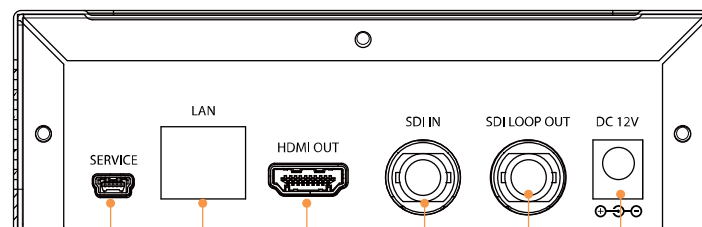
Front View



Rear View



SDI IN POWER



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

C1SH : Specification

▪ H/W Specification

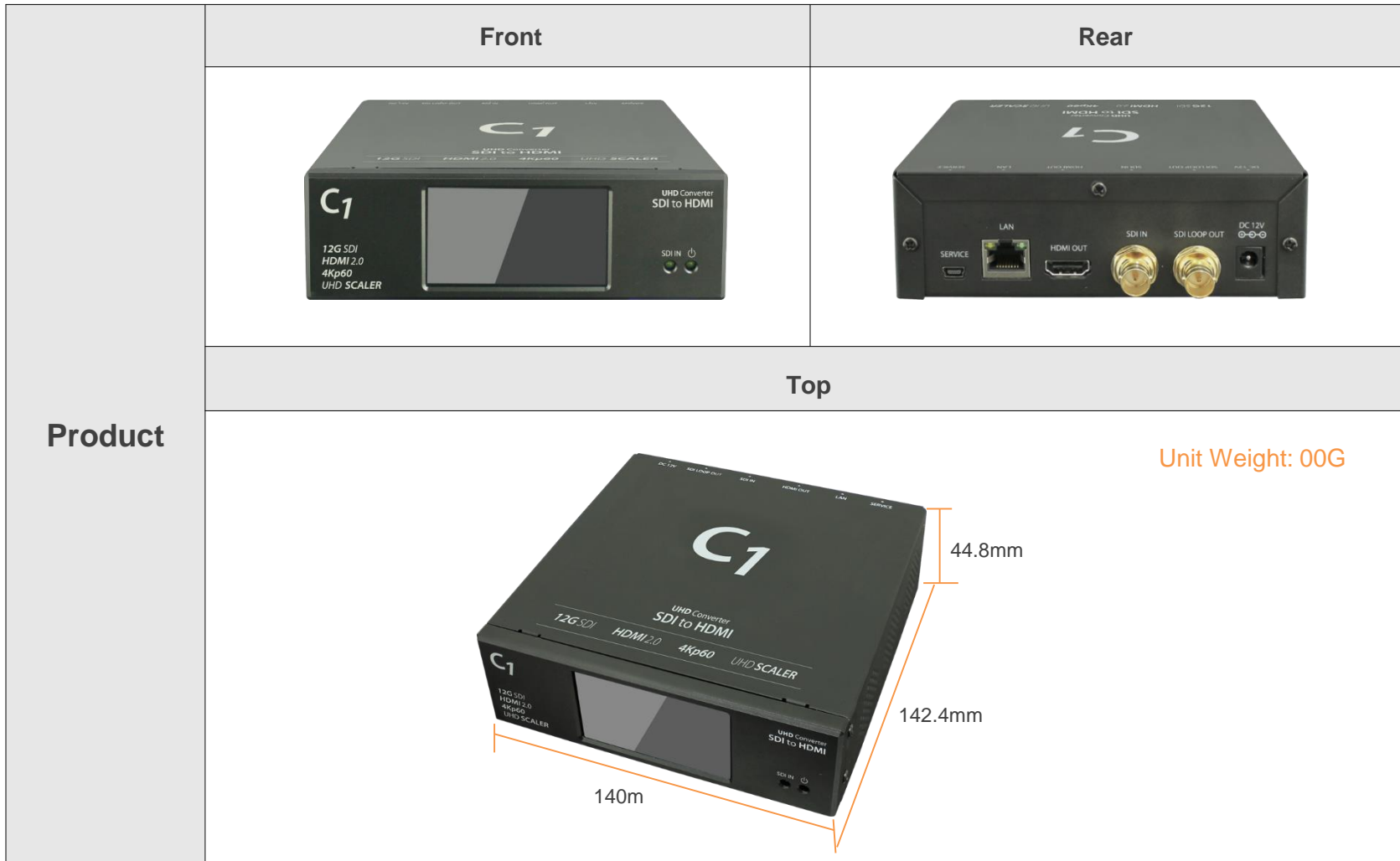
| Item | | Type | Q'ty | Spec |
|---------|--------------|---------------|------|----------------------------------|
| Input | SDI | BNC | 1 | 12G SDI |
| Output | SDI Loop Out | BNC | 1 | 12G SDI |
| | HDMI | A | 1 | HDMI 2.0a |
| UI | | LCD + Touch | 1 | 2.7" LCD + Capacitive Touch |
| Network | |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

▪ S/W Specification

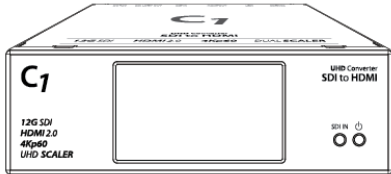
| Item | Spec | Notes |
|-----------------------|--|--|
| Resolutions | 720p, 1080i, 1080p,2160p | |
| Frame Rate | 23.98, 24, 25, 29.97, 30, 50, 59.94, 60 | |
| Up/Down Scaling | Any Resolution -> Any Resolution | |
| Frame Rate Conversion | Any Rate -> Any Rate | |
| Firmware Upgrade | Yes | Built-in 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 |



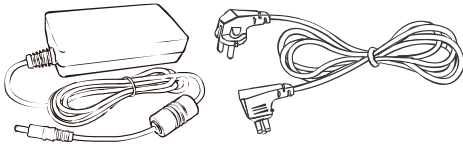
Package Information



C1SH : Package



C1SH UHD Converter SDI to HDMI

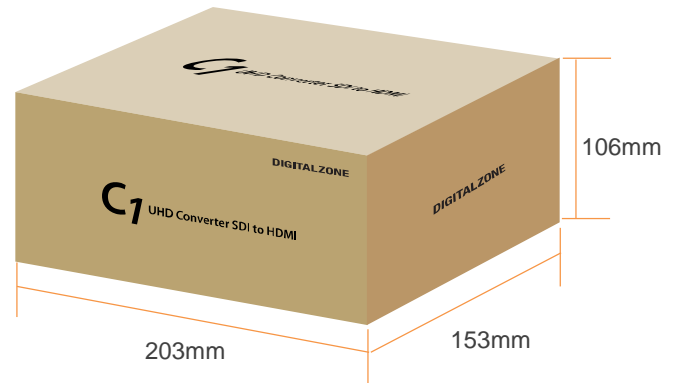


Adaptor & Power Code



User's Manual

Package Weight: 00 KG



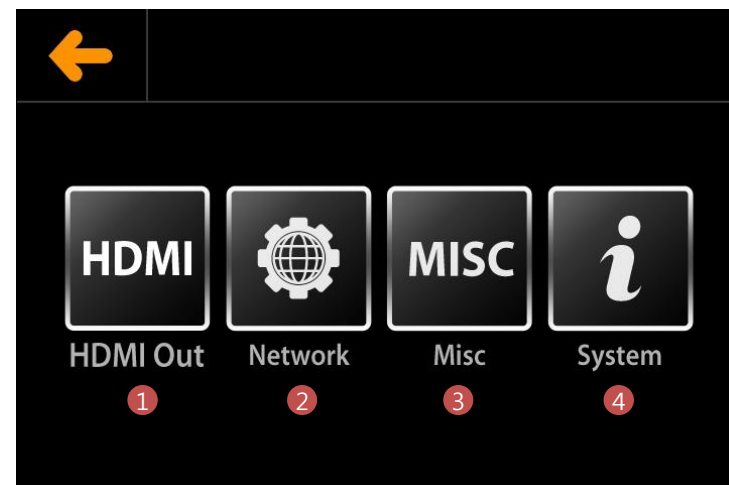
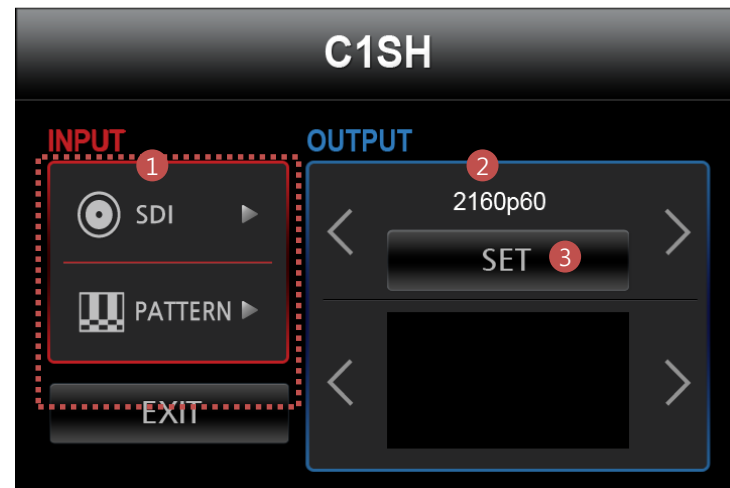
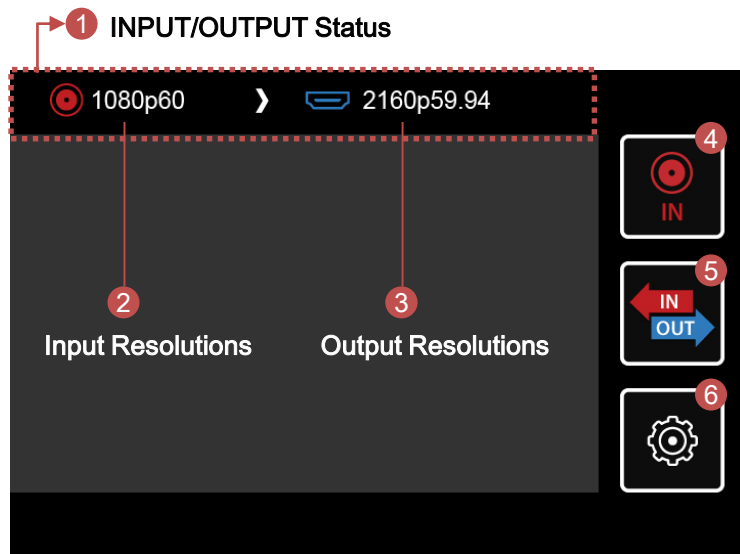
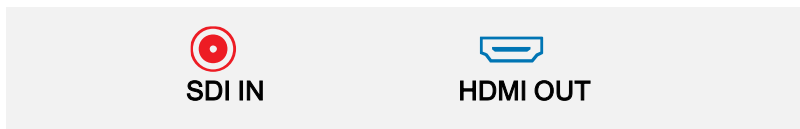


Special Features

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. A grey box on the right contains the following instructions:

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 with a header bar containing 'VIDEO IN/OUT' and 'F/W Update'. Below the header is a row of four buttons: '+ Add files...', 'Start upload', 'Cancel upload', and 'Delete'. Below the buttons is a section titled 'SERVER FLASH UPLOADING INFO' with 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 visible are 'Cancel upload' and 'Delete'.

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 bar. The progress bar is green and shows 23.94% completion. Below the progress bar, the file name 'udc_release_app.bin.udf' is listed with a size of 15.54 MB. There are 'Start' and 'Cancel' buttons next to the file name. The status bar shows '2.28 Mbit/s | 00:00:41 | 23.94 % | 3.72 MB / 15.54 MB'. Below the progress bar is a section titled 'SERVER FLASH UPLOADING INFO' with the text '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 panels. The left panel is titled 'FIRMWARE UPGRADE' and contains the text 'Erase 02:45' and 'Please do not turn off system'. A red arrow points to the right panel, which is also titled 'FIRMWARE UPGRADE' and contains the text 'In order to complete upgrade, a system reboot is necessary. Please reboot now.'

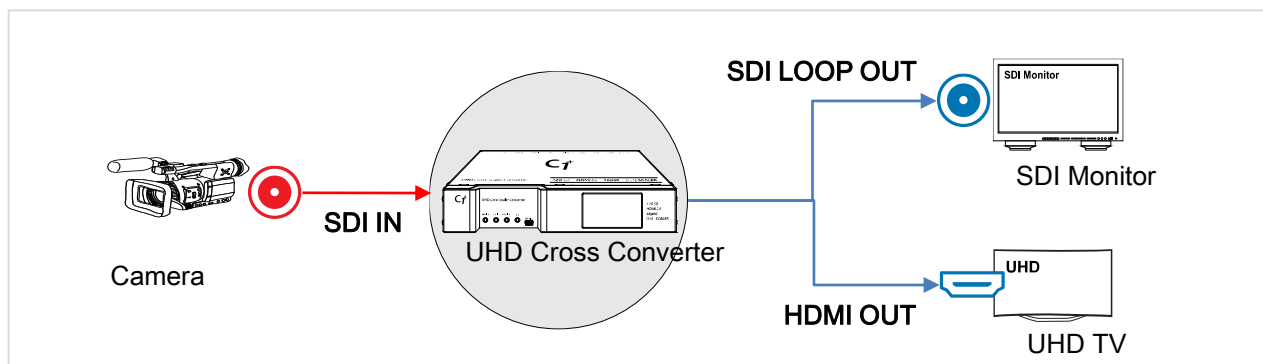
4. In order to complete upgrade, a system reboot is necessary.
5. Please reboot now.

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