

# Crescent

## DA-HDTV-SDI-UHD



HDMI 2.0 to SDI Converter with Looping input and optional fiber output



DA-HDTV-SDI-UHD

### Key Features

- Supports HDMI 2.0 video input and loop out
- Supports up to 4096x2160 @ 4:4:4, YCbCr 4:4:4, YCbCr 4:2:2 and 4:2:0
- Outputs up to 12G SDI
- Passes HDR metadata
- Optional 12G SDI fiber output via SFP
- Status LEDs
- Stereo AES and AA audio monitoring outputs
- 12V DC with power loop to power other devices

### SFP Fiber Options

- 12G SMPTE Fiber transmitter SFP
- Single Mode LC connector
- Maximum distance 10 Km



RS-232

Analog audio monitoring output  
AES audio monitoring output  
Audio channel selection mode  
Switch button between fiber and BNC  
12V DC power with looping input



SFP cage (optional fiber output)  
12G SDI output  
HDMI 2.0 input with looping output



### Related Products

**DA-SDI-HDTV-UHD**  
12G SDI to HDMI 2.0  
converter

### Specifications

| Model                 | DA-HDTV-SDI-UHD         |                     |                        |
|-----------------------|-------------------------|---------------------|------------------------|
| HDMI Inputs           | 1 x HDMI up to UHD      | Analog audio Output | Selectable stereo pair |
| HDMI Outputs          | 1 x HDMI up to UHD      | AES audio Output    | Selectable stereo pair |
| SDI Output            | Up to 12G SDI           | Switch              | Between fiber and BNC  |
| Optional Fiber Output | 1 x SFP                 | Power               | 12V DC with looping    |
| Dimension             | 160 mm x 114 mm x 29 mm |                     |                        |

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## DA-HDTV-SDI-UHD

|                      |            | SDI OUT     |        |        |             |        |        |             |        |        |       |       |        |
|----------------------|------------|-------------|--------|--------|-------------|--------|--------|-------------|--------|--------|-------|-------|--------|
| Resolutions          | Frame Rate | 4:2:2 YCbCr |        |        | 4:4:4 YCbCr |        |        | 4:2:0 YCbCr |        |        | RGB   |       |        |
|                      |            | 8bit        | 10 bit | 12 bit | 8 bit       | 10 bit | 12 bit | 8 bit       | 10 bit | 12 bit | 8 bit | 10bit | 12 bit |
| 4096 X 2160          | 60         | ✓           | ✓      | ✓      | ✓           | N/A    | N/A    | ✓           | ✓      | ✓      | ✓     | N/A   | N/A    |
|                      | 59.94      | ✓           | ✓      | ✓      | ✓           | N/A    | N/A    | ✓           | ✓      | ✓      | ✓     | N/A   | N/A    |
|                      | 50         | ✓           | ✓      | ✓      | ✓           | N/A    | N/A    | ✓           | ✓      | ✓      | ✓     | N/A   | N/A    |
|                      | 30         | ✓           | ✓      | ✓      | ✓           | ✓      | ✓      | N/A         | N/A    | N/A    | ✓     | ✓     | ✓      |
|                      | 29.97      | ✓           | ✓      | ✓      | ✓           | ✓      | ✓      | N/A         | N/A    | N/A    | ✓     | ✓     | ✓      |
|                      | 25         | ✓           | ✓      | ✓      | ✓           | ✓      | ✓      | N/A         | N/A    | N/A    | ✓     | ✓     | ✓      |
|                      | 24         | ✓           | ✓      | ✓      | ✓           | ✓      | ✓      | N/A         | N/A    | N/A    | ✓     | ✓     | ✓      |
|                      | 23.98      | ✓           | ✓      | ✓      | ✓           | ✓      | ✓      | N/A         | N/A    | N/A    | ✓     | ✓     | ✓      |
| 3840 X 2160<br>(HDR) | 60         | ✓           | ✓      | ✓      | ✓           | ✓      | ✓      | ✓           | ✓      | ✓      | ✓     | N/A   | N/A    |
|                      | 59.94      | ✓           | ✓      | ✓      | ✓           | ✓      | ✓      | ✓           | ✓      | ✓      | ✓     | N/A   | N/A    |
|                      | 50         | ✓           | ✓      | ✓      | ✓           | ✓      | ✓      | ✓           | ✓      | ✓      | ✓     | N/A   | N/A    |
|                      | 30         | ✓           | ✓      | ✓      | ✓           | ✓      | ✓      | N/A         | N/A    | N/A    | ✓     | ✓     | ✓      |
|                      | 29.97      | ✓           | ✓      | ✓      | ✓           | ✓      | ✓      | N/A         | N/A    | N/A    | ✓     | ✓     | ✓      |
|                      | 25         | ✓           | ✓      | ✓      | ✓           | ✓      | ✓      | N/A         | N/A    | N/A    | ✓     | ✓     | ✓      |
|                      | 24         | ✓           | ✓      | ✓      | ✓           | ✓      | ✓      | N/A         | N/A    | N/A    | ✓     | ✓     | ✓      |
|                      | 23.98      | ✓           | ✓      | ✓      | ✓           | ✓      | ✓      | N/A         | N/A    | N/A    | ✓     | ✓     | ✓      |
| 1080P<br>(HDR)       | 60         | ✓           | ✓      | ✓      | ✓           | ✓      | ✓      | N/A         | N/A    | N/A    | ✓     | ✓     | ✓      |
|                      | 59.94      | ✓           | ✓      | ✓      | ✓           | ✓      | ✓      | N/A         | N/A    | N/A    | ✓     | ✓     | ✓      |
|                      | 50         | ✓           | ✓      | ✓      | ✓           | ✓      | ✓      | N/A         | N/A    | N/A    | ✓     | ✓     | ✓      |
|                      | 30         | ✓           | ✓      | ✓      | ✓           | ✓      | ✓      | N/A         | N/A    | N/A    | ✓     | ✓     | ✓      |
|                      | 29.97      | ✓           | ✓      | ✓      | ✓           | ✓      | ✓      | N/A         | N/A    | N/A    | ✓     | ✓     | ✓      |
|                      | 25         | ✓           | ✓      | ✓      | ✓           | ✓      | ✓      | N/A         | N/A    | N/A    | ✓     | ✓     | ✓      |
|                      | 24         | ✓           | ✓      | ✓      | ✓           | ✓      | ✓      | N/A         | N/A    | N/A    | ✓     | ✓     | ✓      |
|                      | 23.98      | ✓           | ✓      | ✓      | ✓           | ✓      | ✓      | N/A         | N/A    | N/A    | ✓     | ✓     | ✓      |
| 1080i                | 60         | ✓           | ✓      | ✓      | ✓           | ✓      | ✓      | N/A         | N/A    | N/A    | ✓     | ✓     | ✓      |
|                      | 59.94      | ✓           | ✓      | ✓      | ✓           | ✓      | ✓      | N/A         | N/A    | N/A    | ✓     | ✓     | ✓      |
|                      | 50         | ✓           | ✓      | ✓      | ✓           | ✓      | ✓      | N/A         | N/A    | N/A    | ✓     | ✓     | ✓      |
| 720P                 | 60         | ✓           | ✓      | ✓      | ✓           | ✓      | ✓      | N/A         | N/A    | N/A    | ✓     | ✓     | ✓      |
|                      | 59.94      | ✓           | ✓      | ✓      | ✓           | ✓      | ✓      | N/A         | N/A    | N/A    | ✓     | ✓     | ✓      |
|                      | 50         | ✓           | ✓      | ✓      | ✓           | ✓      | ✓      | N/A         | N/A    | N/A    | ✓     | ✓     | ✓      |