

## DarkCrystal HD-SDI Duo\_CD910



Actual product image may vary from image shown.

The DarkCrystal HD-SDI Duo features 2-channel HD/SD SDI for high-end demands from more professional applications. BNC connectors secure stable and high frequency signals during transmission and the capture quality. Compatibility with Microsoft DirectShow and various 3rd-party provides the greater convenience of working with a broad range of professional video editing software.

### Specifications

<b>Video Input</b>	SDI/HD-SDI/SD-SDI/ASI (BNC)
<b>Audio Input</b>	Embedded SDI Audio (8-ch Embedded Audio per SDI input)
<b>Video Resolution</b>	(HD-SDI) 720p60/59.94/50/30/29.97/25/24/23.98 1080i60/59.94/50 1080PsF30/29.97/25/24/23.98 1080p30/29.97/25/24/23.98 (SD-SDI) 525i59.94 (NTSC) 625i50 (PAL)
<b>Pixel Format</b>	YUY2(4:2:2); V210(4:2:2)
<b>SDI Color Precision</b>	10/8-bit
<b>Audio Sampling</b>	48KHz at 24-bit
<b>SDI Compliance</b>	SMPTE 292M (HD-SDI) SMPTE 259M (SD-SDI)
<b>PC Interface</b>	PCIe Gen 1 x4
<b>Operating Environment</b>	Temperature: 0 to 50°C Humidity: 10 to 90% RHNC
<b>Storage Environment</b>	Temperature: -30 to 65°C Humidity: 10 to 90% RHNC
<b>Dimensions (mm)</b>	137.8(L)*110(W)*1.57(H)
<b>SDI Cable Length(1694A)</b>	HD: 200M, SD: 300m (Typical)



- HD-projection presentations
- Surveillance system feeds in CCTV
- TV Studios or grandeur video wall with multi-screens

### Features

- 2-CH HD/SD SDI video signal
- Support DVB-ASI input source
- Fit in PCIe Gen1 x4, x8, x16 slots
- Comprehensive SDK included
- Compatible with DirectShow, AVerMedia Capture SDK & Capture Studio

### System Requirements

#### ● For HD Video Preview and Record

##### Preview

-Intel® Core™ i3 CPU 530@ 2.93GHz or above

**Record in MPEG-2** Format at bitrate 25Mbps

-Intel® Core™ i7 2600K CPU@ 3.40GHz or above

**Record in H.264** Format at bitrate 10Mbps

-Intel® Core™ i7-3770K CPU @ 3.40GHz or above

**Record in WMV** Format

-Intel core i5 2500 or above(single core over 3.40GHz)

\*For 1-ch video capturing

#### ● For SD Video Preview and Record

##### Preview

-Intel® Core™ i3 CPU 530@ 2.93GHz or above

**Record in MPEG-2** Format at bitrate 6Mbps

-Intel® Core™ i3 CPU 530@ 2.93GHz or above

**Record in H.264** Format at bitrate 15Mbps

-Intel® Core™ i5 CPU 750@ 2.67GHz or above

#### ● SSD is required for AVI format recording

- Read: 200MB/s (or above)

- Write: 200MB/s (or above)

- System AHCI function needs to be activate

- SATA III interface on motherboard is required

- Dual core CPU (with main processor of frequency 3.40GHz or above) plus memory of dual channel architecture

\* Two SSD to RAID is recommended for 2-ch video capturing

#### ● VGA card with support for DirectX9.0c or above\*

#### ● 512 MB RAM\*\*

#### ● PCI-E Gen1 x4, x8, x16 Slots

#### ● Sound Card

#### ● Windows® Win7/Win8.1(32bit/64bit)

\*Standalone graphics card is recommended for HD video capturing.

\*\* 2GB RAM is recommended for HD video capturing.