

Connecting a video source using 3G-SDI

The 3G-SDI input card allows SD, HD and 3G-SDI signals to be shown on projector display.

Key features include:

- Provides one low-jitter SDI local loop-out.
- Supports SD-SDI, HD-SDI and 3G-SDI input signals with auto-detection.
- Operates at bitrates of 2.970 Gbit/s, 2.970/1.001 Gbit/s, 1.485 Gbit/s, 1.485/1.001 Gbit/s, and 270 Mb/s
- Extends SDI input/output distance up to 100 m (3G-SDI), 200 m (HD-SDI), or 300 m (SD-SDI).

Affected products

The following products are affected:

- Christie 4K7-HS
- Christie 4K10-HS

Setting up the 3G-SDI input card

Learn how to install and set up the 3G-SDI input card.

1. Ensure the projector is turned off.
2. Insert the 3G-SDI input card into the option card slot on the projector until you hear a click.
3. Turn on the projector.
The projector automatically detects the option card and displays the status "Checking For Signal".
4. To verify if the projector automatically detected the input card, in the bottom left-corner of the display confirm **3G-SDI** is displayed.
5. Verify the 3G-SDI input card has passed or failed.
 - If verification passes, control the projector to display an image.
 - If verification fails, repeat steps 1 to 4 until the projector displays the status "Slot# - HDBaseT Searching".

3G-SDI video resolution

Identify the video formats for the 3G-SDI input card.

Format	Pixel clock (MHz)	Frame rate (Hz)	Pixel format	Bit-depth
SD_720x480	13.5	30	YCbCr 4:2:2	10 bit
SD_720x576	13.5	25	YCbCr 4:2:2	10 bit
HD_1280x720	74.25	60	YCbCr 4:2:2	10 bit
HD_1920x1080	74.25	30	YCbCr 4:2:2	10 bit
HD_1280x720	74.25	50	YCbCr 4:2:2	10 bit
HD_1920x1080	74.25	25	YCbCr 4:2:2	10 bit
HD_1920x1080	74.25	30	YCbCr 4:2:2	10 bit
HD_1920x1080	74.25	25	YCbCr 4:2:2	10 bit
HD_1920x1080	74.25	24	YCbCr 4:2:2	10 bit
HD_1920x1080	74.25	30	YCbCr 4:2:2	10 bit
HD_1280x720	74.25	60	YCbCr 4:2:2	10 bit
HD_1920x1080	74.25	24	YCbCr 4:2:2	10 bit
HD_1920x1080	74.25	30	YCbCr 4:2:2	10 bit
3GA_1920x1080	148.5	50	YCbCr 4:2:2	10 bit
3GA_1920x1080	148.5	60	YCbCr 4:2:2	10 bit
3GA_1920x1080	148.5	60	YCbCr 4:2:2	10 bit
3GA_1920x1080	148.5	25	YCbCr 4:2:2	10 bit
3GA_1920x1080	148.5	30	YCbCr 4:2:2	10 bit
3GA_1920x1080	148.5	30	YCbCr 4:2:2	10 bit
3GA_1920x1080	148.5	25	YCbCr 4:2:2	10 bit
3GA_1920x1080	148.5	30	YCbCr 4:2:2	10 bit
3GB_1920x1080	148.5	30	YCbCr 4:2:2	10 bit
PSF_1920x1080	74.25	30	YCbCr 4:2:2	10 bit
PSF_1920x1080	74.25	30	YCbCr 4:2:2	10 bit
PSF_1920x1080	74.25	25	YCbCr 4:2:2	10 bit

Technical support

Technical support for Christie products is available at:

- North and South America: +1-800-221-8025 or Support.Americas@christiedigital.com
- Europe, Middle East, and Africa: +44 (0) 1189 778111 or Support.EMEA@christiedigital.com

- Asia Pacific: +65 6877-8737 or *Support.APAC@christiedigital.com*