

Connecting a video source using SDVoE

The SDVoE input card extends the 4K audio/video streams and data.

Key features include:

- Complies with HDMI 2.0 and DVI 1.0.
- Provides ultra-light compression, lossless for most content.
- Extends up to 550 m.
- Supports pass-through of 10/12-bit HDR range content (up to HDR10) sources.
- Support pass-through of audio formats including LPCM 2.0/5.1/7.1, Bitstream, HD Bitstream, LPCM 7.1, and all HBR audio codecs, such as Dolby Atmos®, Dolby® TrueHD, Dolby Digital® Plus, DTS:X, DTS-HD Master Audio, and DTS-HD High Resolution Audio on HDMI outputs.
- Supports a BNC connector .



Ensure software version 1.1.0 or higher is installed on the projector.

Affected products

The following products are affected:

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

Setting up the SDVoE input card

Learn how to install and set up the SDVoE input card.

1. Ensure the projector is turned off.
2. Insert the SDVoE 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 **SDVoE** is displayed.
5. Verify the SDVoE input card has passed or failed.
 - If verification passes, proceed to step 6.

- If verification fails, repeat steps 1 to 5 until the projector displays the status "Slot# - HDBaseT Searching".
6. Control the projector using one of the following methods:
- RS-232 interface
Make sure to switch **Main Menu > Configuration > Communications > Serial Port Path** to the slot the SDVoE input card has been inserted.
 - LAN control by a computer
Make sure to switch **Main Menu > Configuration > Communications > SLOT LAN Path** to the slot the SDVoE input card has been inserted.
 - IR-In remote control
Can use either the IR2 Blaster or IR1 Extender connections. Make sure the devices or remote are in direct line-of-sight for the IR Blaster or IR Extender respectively.
7. If required, connect the audio input.

SDVoE video resolution

Identify the video formats for the SDVoE input card.

Format	Pixel clock (MHz)	Frame rate (Hz)	Pixel format	Bit-depth
640x480	25.175	60	RGB	8 bit
640x480	31.5	72	RGB	8 bit
640x480	31.5	75	RGB	8 bit
640x480	36	85	RGB	8 bit
720x400	35.5	85	RGB	8 bit
800x600	36	56	RGB	8 bit
800x600	40	60	RGB	8 bit
800x600	50	72	RGB	8 bit
800x600	49.5	75	RGB	8 bit
800x600	56.25	85	RGB	8 bit
1024x768	65	60	RGB	8 bit
1024x768	75	70	RGB	8 bit
1024x768	78.75	75	RGB	8 bit
1024x768	94.5	85	RGB	8 bit
1152x864	108	75	RGB	8 bit
1280x720	74.25	60	RGB	8 bit
1280x768	79.5	60	RGB	8 bit
1280x768	102.25	75	RGB	8 bit
1280x768	117.5	85	RGB	8 bit

Format	Pixel clock (MHz)	Frame rate (Hz)	Pixel format	Bit-depth
1280x800 RB	71	60	RGB	8 bit
1280x800	83.5	60	RGB	8 bit
1280x960	108	60	RGB	8 bit
1280x1024	108	60	RGB	8 bit
1360x768	85.5	60	RGB	8 bit
1366x768	85.5	60	RGB	8 bit
1400x1050 RB	101	60	RGB	8 bit
1400x1050	121.75	60	RGB	8 bit
1440x900	88.75	60	RGB	8 bit
1440x900	106.5	60	RGB	8 bit
1600x900	108	60	RGB	8 bit
1600x1200	162	60	RGB	8 bit
1680x1050 RB	119	60	RGB	8 bit
1680x1050	146.25	60	RGB	8 bit
1920x1080	148.5	60	RGB	8 bit
1920x1200 RB	154	60	RGB	8 bit
1920x1200	193.25	60	RGB	8 bit
1920x1440	234	60	RGB	8 bit
2560x1600	268.5	60	RGB	8 bit
1440x576i	27	50	RGB	8 bit
1440x480i	27	60	RGB	8 bit
1440x480i	27.028	60	RGB	8 bit
720x480p	27	60	RGB	8 bit
720x480p	27.027	60	RGB	8 bit
720x576p	54	50	RGB	8 bit
1280x720p	74.25	50	RGB	8 bit
1280x720p	74.176	60	RGB	8 bit
1280x720p	74.25	60	RGB	8 bit
1920x1080i	74.25	50	RGB	8 bit
1920x1080i	74.126	60	RGB	8 bit
1920x1080i	74.25	60	RGB	8 bit
1920x1080p	148.5	50	RGB	8 bit
1920x1080p FP	148.352	60	RGB	8 bit

Format	Pixel clock (MHz)	Frame rate (Hz)	Pixel format	Bit-depth
1920x1080p	148.5	60	RGB	8 bit
1920x1080p	74.176	30	RGB	8 bit
1920x1080p	74.25	24	RGB	8 bit
1920x1080p	74.25	25	RGB	8 bit
1920x1080p	74.176	30	RGB	8 bit
1920x1080p	74.25	30	RGB	8 bit
1920x1080p	148.352	24	RGB	8 bit
3840x2160	296.703	24	RGB	8 bit
3840x2160	297	25	RGB	8 bit
3840x2160	296.703	30	RGB	8 bit
4096x2160	296.703	24	RGB	8 bit
4096x2160	296.703	25	RGB	8 bit
4096x2160	296.703	30	RGB	8 bit
4096x2160	594	50	RGB	8 bit
4096x2160	594	60	RGB	8 bit
4096x2160	296.703	60x420	YCbCr 4:2:0	8 bit
3840x2160	297	60x420	YCbCr 4:2:0	8 bit
3840x2160	594	50	YCbCr 4:4:4	8 bit
3840x2160	594	60	YCbCr 4:4:4	8 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