

ADVC G2



ADVC G2

1. **Can ADVC G2 output 3G-SDI as DualLink-SDI?**
No, this functionality is not supported.
2. **What is the delay between input and output of the ADVC G2 when downconverting?**
One frame.
3. **When using a 3G-SDI 1080/60p input, is it possible to have an analog output?**
60p input will be downconverted to PAL, and 59.94p will be downconverted to NTSC. However, direct analog output is not possible.
4. **Does ADVC G2 support Dolby audio?**
No, it is not supported. HDMI supports 48/44.1/32 kHz and SDI supports linear PCM at 48 kHz.
5. **Does ADVC G2 support HDCP?**
ADVC G2 does not support HDCP. ADVC G2 cannot be used with output devices supporting HDCP.
6. **When the audio is eight channels, does the analog audio output get mixed?**
No. Two channels are chosen to be output: channel 1/2, channel 3/4, channel 5/6 or channel 7/8.
7. **How is 16:9 video input shown in a 4:3 output?**
The following 5 methods can be selected: Letterbox 16:9, Letterbox 14:9, Letterbox 13:9, Squeeze, Edge Crop
8. **Can audio delay be corrected in ADVC G2?**
There is no delay between the audio and video with the ADVC G2.
9. **Can you add a synchronous signal to the SDI throughput?**
It is possible to synchronize the input video to the REF signal, and output it as SDI.
10. **When output is set to downconvert, is it possible to automatically recognize SD-SDI and directly output it as SD?**
Yes, it is possible.
11. **What is the delay between input and output of the ADVC G2 when downconverting?**
One frame.
12. **What is the USB connector on the back of the unit for?**
This connector will be used in the future for firmware updates as well as external control, and status monitoring.



I/O and Format Comparison Guide

	Model	ADVC G1	ADVC G2	ADVC G3	ADVC G4
	Description	Any In, SDI Out	SDI & HDMI In to Analog & SDI	2 x SDI to HDMI 1.4 with 3D support	Sync Generator with Reference In
Input	HD-SDI / SD-SDI	No	Yes	Yes (x2)	No
	HDMI	Yes	Yes	No	No
	DVI	Yes	No	No	No
	Analog RGB	Yes	No	No	No
	Component	Yes	No	No	No
	S-Video	Yes	No	No	No
	Composite	Yes	No	No	No
	Analog Audio	Yes	No	No	No
	AES/EBU	Yes	No	No	No
	Ref In (frame synchronizer)	Yes	Yes	No	Yes
Output	Upconversion	Yes	No	No	No
	Downconversion	No	Yes	No	No
	HD-SDI / SD-SDI	Yes (x2)	Yes (x2)	No	No
	HDMI	No	No	Yes	No
	3D Muxing	No	No	Yes	No
	DVI	No	No	No	No
	Analog RGB	No	No	No	No
	Component	No	Yes	No	No
	S-Video	No	Yes	No	No
	Composite	No	Yes	No	No
	AES/EBU	No	Yes	Yes	No
	Analog Audio	No	Yes	Yes	No
	Ref Out	No	No	No	Yes (x9)
Format Support	PAL / NTSC	Yes	Yes	Yes	Yes
	PC Resolution	Up to 1920 x 1200	No	No	No
	1080i50	Yes	Yes	Yes	Yes
	1080i59.94	Yes	Yes	Yes	Yes
	1080i60	Yes	Yes	Yes	Yes
	1080p23.98	Yes	Yes	Yes	Yes
	1080p24	Yes	Yes	Yes	Yes
	1080p25	Yes	Yes	Yes	Yes
	1080p29.97	Yes	Yes	Yes	Yes
	1080p30	Yes	Yes	Yes	Yes
	1080p50	Yes	Yes	Yes	No
	1080p59.94	Yes	Yes	Yes	No
	1080p60	Yes	Yes	Yes	No
	720p23.98	Yes	Yes	Yes	Yes
	720p24	Yes	Yes	Yes	Yes
	720p25	Yes	Yes	Yes	Yes
	720p29.97	Yes	Yes	Yes	Yes
	720p30	Yes	Yes	Yes	Yes
	720p50	Yes	Yes	Yes	Yes
	720p59.94	Yes	Yes	Yes	Yes
	720p60	Yes	Yes	Yes	Yes
	1080psf23.98	Yes	Yes	Yes	Yes

I/O and Format Comparison Guide (cont.)

	Model	ADVC G1	ADVC G2	ADVC G3	ADVC G4
	Description	Any In, SDI Out	SDI & HDMI In to Analog & SDI	2 x SDI to HDMI 1.4 with 3D support	Sync Generator with Reference In
Format Support (cont.)	1080psf24	Yes	Yes	Yes	Yes
	1080psf25	Yes	Yes	Yes	Yes
	1080psf29.97	Yes	Yes	Yes	Yes
	1080psf30	Yes	Yes	Yes	Yes
	1035i59.94	No	Yes	Yes	No
	1035i60	No	Yes	Yes	No
Input Signals	SMPTE 259M	No	Yes	Yes	No
	SMPTE 292M	No	Yes	Yes	No
	SMPTE-424	No	Yes	Yes	No
	YPbPr (SD)	Yes	No	No	No
	EBU-N10 (SD)	Yes	No	No	No
	Betacam (SD)	Yes	No	No	No
	YC (SD)	Yes	No	No	No
	YPbPr (HD)	Yes	No	No	No
Output Signals	HDMI	Yes	Yes	No	No
	SMPTE 259M	Yes	Yes	No	No
	SMPTE 292M	Yes	Yes	No	No
	SMPTE-424	Yes	Yes	No	No
	YPbPr (SD)	No	Yes	No	No
	EBU-N10 (SD)	No	Yes	No	No
	Betacam (SD)	No	Yes	No	No
	YC (SD)	No	Yes	No	No
YPbPr (HD)	No	Yes	No	No	
HDMI	No	No	Yes	No	

