

ColorBox Video Formats

SDI Video Input and Output - 4K/UltraHD and 2K/HD, 1x BNC

4K/UltraHD Inputs Supported

1x 12G-SDI:

<i>Format</i>	<i>Frame Rate</i>	<i>Color Space</i>	<i>Sampling</i>	<i>Bit Depth</i>
4096x2160p	23.98, 24, 25, 29.97, 30	RGB	4:4:4	10, 12
4096x2160p	47.95, 48, 50, 59.94, 60	YCbCr	4:2:2	10
3840x2160p	23.98, 24, 25, 29.97, 30	RGB	4:4:4	10, 12
3840x2160p	50, 59.94, 60	YCbCr	4:2:2	10

1x 6G-SDI:

<i>Format</i>	<i>Frame Rate</i>	<i>Color Space</i>	<i>Sampling</i>	<i>Bit Depth</i>
4096x2160p	23.98, 24, 25, 29.97, 30	YCbCr	4:2:2	10
3840x2160p	23.98, 24, 25, 29.97, 30	YCbCr	4:2:2	10

HD Inputs Supported

1x 3G-SDI:

<i>Format</i>	<i>Frame Rate</i>	<i>Color Space</i>	<i>Sampling</i>	<i>Bit Depth</i>	<i>Level A/B</i>
2048x1080p	23.98, 24, 25	RGB	4:4:4	10, 12	A or B DL
2048x1080p	47.95, 48, 50	YCbCr	4:2:2	10	A or B DL
2048x1080PsF	23.98, 24, 25	RGB	4:4:4	10, 12	A or B DL
1920x1080p	23.98, 24, 25, 29.97, 30	RGB	4:4:4	10, 12	A or B DL
1920x1080p	50, 59.94, 60	YCbCr	4:2:2	10	A or B DL
1920x1080PsF	23.98, 24, 25, 29.97, 30	RGB	4:4:4	10	A
1920x1080PsF	23.98, 24, 25, 29.97, 30	RGB	4:4:4	10, 12	B DL
1920x1080i	50, 59.94, 60	RGB	4:4:4	10, 12	A or B DL
1280x720p	50, 59.94, 60	RGB	4:4:4	10	A

Note: If Level A in, then Level A out, if Level B DL in, the Level B DL out.

1x 1.5G-SDI:

<i>Format</i>	<i>Frame Rate</i>	<i>Color Space</i>	<i>Sampling</i>	<i>Bit Depth</i>
2048x1080p	23.98, 24, 25, 29.97, 30	YCbCr	4:2:2	10
2048x1080PsF	23.98, 24, 25	YCbCr	4:2:2	10
1920x1080p	23.98, 24, 25, 29.97, 30	YCbCr	4:2:2	10
1920x1080PsF	23.98, 24, 25, 29.97, 30	YCbCr	4:2:2	10
1920x1080i	50, 59.94, 60	YCbCr	4:2:2	10
1280x720p	50, 59.94, 60	YCbCr	4:2:2	10

HDMI Video Output - 4K/Ultra HD and 2K/HD, 1x HDMI

4K/UltraHD Outputs Supported

<i>Format</i>	<i>Frame Rate</i>	<i>Color Space</i>	<i>Sampling</i>	<i>Bit Depth</i>
4096x2160p	23.98, 24, 25, 29.97, 30	RGB	4:4:4	8, 10, 12
	50, 59.94, 60	RGB	4:4:4	8
4096x2160p	23.98, 24, 25, 29.97, 30	YCbCr	4:2:2	10
	50, 59.94, 60			
3840x2160p	23.98, 24, 25, 29.97, 30	RGB	4:4:4	8, 10, 12
	50, 59.94, 60	RGB	4:4:4	8
3840x2160p	23.98, 24, 25, 29.97, 30	YCbCr	4:2:2	10
	50, 59.94, 60			

2K/HD Outputs Supported

<i>Format</i>	<i>Frame Rate</i>	<i>Color Space</i>	<i>Sampling</i>	<i>Bit Depth</i>
2048x1080p	23.98, 24, 25, 29.97, 30	RGB	4:4:4	8, 10, 12
2048x1080p	47.95, 48, 50	YCbCr	4:2:2	10
1920x1080p	23.98, 24, 25, 29.97, 30	RGB	4:4:4	8, 10, 12
1920x1080p	50, 59.94, 60	YCbCr	4:2:2	10
1920x1080i	50, 59.94, 60	RGB	4:4:4	8, 10, 12
1920x1080i	50, 59.94, 60	YCbCr	4:2:2	10
1280x720p	50, 59.94, 60	RGB	4:4:4	10
1280x720p	50, 59.94, 60	YCbCr	4:2:2	10

To contact AJA Technical Support:

Email: support@aja.com

Phone: +1-530-271-3190

Fax: +1-530-274-9442

Web: <https://www.aja.com/support/contact>

Shipping: 180 Litton Dr. Grass Valley, CA 95945 USA