

HA5-4K Video Formats

Video Input - 4K/UltraHD, HD, and SD, 1x HDMI

4K/UltraHD Inputs Supported

<i>Format</i>	<i>Frame Rate</i>	<i>Color Space</i>	<i>Sampling</i>	<i>Bit Depth</i>
4096x2160p	47.95, 48, 50, 59.94, 60	YCbCr/RGB	4:4:4	8
4096x2160p	47.95, 48, 50, 59.94, 60	YCbCr	4:2:2	8, 10, 12
4096x2160p	23.98, 24, 25, 29.97, 30	YCbCr	4:2:2	8, 10, 12
4096x2160p	23.98, 24, 25, 29.97, 30, 50, 59.94, 60	YCbCr	4:2:0	8, 10, 12
4096x2160p	23.98, 24, 25, 29.97, 30	YCbCr/RGB	4:4:4	8, 10, 12
3840x2160p	50, 59.94, 60	YCbCr/RGB	4:4:4	8
3840x2160p	23.98, 24, 25, 29.97, 30, 50, 59.94, 60	YCbCr	4:2:2	8, 10, 12
3840x2160p	23.98, 24, 25, 29.97, 30, 50, 59.94, 60	YCbCr	4:2:0	8, 10, 12
3840x2160p	23.98, 24, 25, 29.97, 30	YCbCr/RGB	4:4:4	8, 10, 12

2K/HD Inputs Supported

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

SD Inputs Supported

<i>Format</i>	<i>Frame Rate</i>	<i>Color Space</i>	<i>Sampling</i>	<i>Bit Depth</i>
576i	50	YCbCr	4:2:2	8, 10, 12
576i	50	YCbCr/RGB	4:4:4	8, 10, 12
576p	50	YCbCr	4:2:2	8, 10, 12
576p	50	YCbCr/RGB	4:4:4	8, 10, 12
480i	59.94	YCbCr	4:2:2	8, 10, 12
480i	59.94	YCbCr/RGB	4:4:4	8, 10, 12
480p	59.94	YCbCr	4:2:2	8, 10, 12
480p	59.94	YCbCr/RGB	4:4:4	8, 10, 12

Video Output - 4K/UltraHD, HD, and SD, 4x BNC

4K/UltraHD Outputs Supported

4x 3G-SDI:

<u>Format</u>	<u>Frame Rate</u>	<u>Color Space</u>	<u>Sampling</u>	<u>Bit Depth</u>	<u>Level A/B</u>	<u>Pixel Mapping</u>
4096x2160p	47.95, 48, 50, 59.94, 60	YCbCr	4:2:2	10	A or B DL	SQD/2SI
4096x2160p	23.98, 24, 25, 29.97, 30	YCbCr/RGB	4:4:4	10	A or B DL	SQD/2SI
3840x2160p	50, 59.94, 60	YCbCr	4:2:2	10	A or B DL	SQD/2SI
3840x2160p	23.98, 24, 25, 29.97, 30	YCbCr/RGB	4:4:4	10	A or B DL	SQD/2SI

2x 3G-SDI:

<u>Format</u>	<u>Frame Rate</u>	<u>Color Space</u>	<u>Sampling</u>	<u>Bit Depth</u>	<u>Level A/B</u>	<u>Pixel Mapping</u>
4096x2160p	23.98, 24, 25, 29.97, 30	YCbCr	4:2:2	10	B DS	SQD/2SI
3840x2160p	23.98, 24, 25, 29.97, 30	YCbCr	4:2:2	10	B DS	SQD/2SI

4x 1.5G-SDI:

<u>Format</u>	<u>Frame Rate</u>	<u>Color Space</u>	<u>Sampling</u>	<u>Bit Depth</u>
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

2K/HD Outputs Supported

1x 3G-SDI:

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

2x 1.5G-SDI:

<u>Format</u>	<u>Frame Rate</u>	<u>Color Space</u>	<u>Sampling</u>	<u>Bit Depth</u>
1920x1080p	50, 59.94, 60	YCbCr	4:2:2	10

1x 1.5G-SDI:

<u>Format</u>	<u>Frame Rate</u>	<u>Color Space</u>	<u>Sampling</u>	<u>Bit Depth</u>
2048x1080p	23.98, 24, 25, 29.97, 30	YCbCr	4:2:2	10
2048x1080PsF	23.98, 24, 25, 29.97, 30	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

SD Outputs Supported

1x SD-SDI:

<u>Format</u>	<u>Frame Rate</u>	<u>Color Space</u>	<u>Sampling</u>	<u>Bit Depth</u>
625i	50	YCbCr	4:2:2	10
525i	59.94	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