

OG-12GM Video Formats

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

4K/UltraHD Formats Supported

1x 12G-SDI:

<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	4:2:2	10
4096x2160p	23.98, 24, 25, 29.97, 30	YCbCr/RGB	4:4:4	10, 12
3840x2160p	50, 59.94, 60	YCbCr	4:2:2	10
3840x2160p	23.98, 24, 25, 29.97, 30	YCbCr/RGB	4:4:4	10, 12

2x 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
4096x2160p	23.98, 24, 25, 29.97, 30	YCbCr/RGB	4:4:4	10, 12
3840x2160p	23.98, 24, 25, 29.97, 30	YCbCr	4:2:2	10
3840x2160p	23.98, 24, 25, 29.97, 30	YCbCr/RGB	4:4:4	10, 12

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

4x 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>	<i>Pixel Mapping</i>
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, 12	A or B DL	SQD/2SI
4096x2160PsF	23.98, 24, 25, 29.97, 30	YCbCr/RGB	4:4:4	10, 12	A or B DL	SQD
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, 12	A or B DL	SQD/2SI
3840x2160PsF	23.98, 24, 25, 29.97, 30	YCbCr/RGB	4:4:4	10, 12	A or B DL	SQD

2x 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>	<i>Pixel Mapping</i>
4096x2160p	23.98, 24, 25, 29.97, 30	YCbCr	4:2:2	10	B DS	SQD/2SI
4096x2160PsF	23.98, 24, 25, 29.97, 30	YCbCr	4:2:2	10	B DS	SQD
3840x2160p	23.98, 24, 25, 29.97, 30	YCbCr	4:2:2	10	B DS	SQD/2SI
3840x2160PsF	23.98, 24, 25, 29.97, 30	YCbCr	4:2:2	10	B DS	SQD

4x 1.5G-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
4096x2160PsF	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
3840x2160PsF	23.98, 24, 25, 29.97, 30	YCbCr	4:2:2	10

2K/HD Formats Supported

1x 6G-SDI:

<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/RGB	4:4:4	10, 12
1920x1080p	50, 59.94, 60	YCbCr/RGB	4:4:4	10, 12

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	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, 12	A or B DL
2048x1080PsF	23.98, 24, 25, 29.97, 30	YCbCr/RGB	4:4:4	10, 12	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, 12	A or B DL
1920x1080PsF	23.98, 24, 25, 29.97, 30	YCbCr/RGB	4:4:4	10, 12	A or B DL
1920x1080i	50, 59.94, 60	YCbCr/RGB	4:4:4	10, 12	A or B DL
1280x720p	50, 59.94, 60	YCbCr/RGB	4:4:4	10	A

2x 1.5G-SDI:

<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	10
2048x1080p	23.98, 24, 25, 29.97, 30	YCbCr/RGB	4:4:4	10, 12
2048x1080PsF	23.98, 24, 25, 29.97, 30	YCbCr/RGB	4:4:4	10, 12
1920x1080p	50, 59.94, 60	YCbCr	4:2:2	10
1920x1080p	23.98, 24, 25, 29.97, 30	YCbCr/RGB	4:4:4	10, 12
1920x1080PsF	23.98, 24, 25, 29.97, 30	YCbCr/RGB	4:4:4	10, 12
1920x1080i	50, 59.94, 60	YCbCr/RGB	4:4:4	10

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, 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 Formats Supported

1x SD-SDI:

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