

## OG-4K2HD Video Formats

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

#### 4K/UltraHD Inputs Supported

##### 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	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 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	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	50, 59.94, 60	YCbCr	4:2:2	10
2048x1080p	23.98, 24, 25, 29.97, 30	YCbCr/RGB	4:4:4	10
1920x1080p	50, 59.94, 60	YCbCr	4:2:2	10
1920x1080p	23.98, 24, 25, 29.97, 30	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 Inputs 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

**SDI Video Output - HD and SD, 1x BNC**

**2K/HD Outputs 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	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, 12	A

**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 Outputs 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

## HDMI Video Output - HD and SD, 1x HDMI

### 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, 50, 59.94, 60	YCbCr	4:2:2	8, 10
2048x1080p	23.98, 24, 25, 29.97, 30, 50, 59.94, 60	YCbCr/RGB	4:4:4	8, 10
1920x1080p	23.98, 24, 25, 29.97, 30, 50, 59.94, 60	YCbCr	4:2:2	8, 10
1920x1080p	23.98, 24, 25, 29.97, 30, 50, 59.94, 60	YCbCr/RGB	4:4:4	8, 10
1920x1080i	50, 59.94, 60	YCbCr	4:2:2	8, 10
1920x1080i	50, 59.94, 60	YCbCr/RGB	4:4:4	8, 10
1280x720p	50, 59.94, 60	YCbCr	4:2:2	8, 10
1280x720p	50, 59.94, 60	YCbCr/RGB	4:4:4	8, 10

### SD Outputs 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
576i	50	YCbCr/RGB	4:4:4	8, 10
480i	59.94	YCbCr	4:2:2	8, 10
480i	59.94	YCbCr/RGB	4:4:4	8, 10

### To contact AJA Technical Support:

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