



# A. Specifications

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## In This Appendix

This appendix provides detailed technical specifications for the ImagePRO-II. The following topics are provided:

- [Input Specifications](#)
- [Output Specifications](#)
- [Audio Mezzanine Specifications](#)
- [User Control Specifications](#)
- [Physical and Electrical Specifications](#)
- [Communications Specifications](#)
- [Standard Connector Pinouts](#)
- [Input and Output Resolutions](#)

## A. Specifications

### Input Specifications

The following table lists ImagePRO-II input specifications.

**Table A-1.** ImagePRO-II Input Specifications

Input	Detail	Specification
<b>Input 1</b>	Connector	DVI-I
	Format (Digital)	All single-link DVI digital formats up to 165 MHz, per DVI 1.0 Specification
		All dual-link DVI formats up to 300 MHz
		Max H Active: 4096 Max V Active: 3072
	Format (Analog)	NTSC/PAL composite and Y/C video SD YPbPr with bi-level sync HD YPbPr with tri-level sync RGBHV/RGBS/RGsB computer video with bi-level sync
	Sampling	Analog sources with pixel rates up to 170 MHz are sampled 1:1. Analog sources with pixel rates above 170 MHz are filtered and sampled at 170 MHz, including but not limited to: <ul style="list-style-type: none"> <li>• 1920x1080p</li> <li>• 1920x1200 p</li> <li>• 2048x1080p</li> </ul>
	Loop-through	Active loop-through output of all input signals, including HDCP
	EDID	EDID version 1.3 compatible
	HDCP hardware support	HDCP version 1.4 compatible
	<b>Input 2</b>	Connector
Format		NTSC/PAL composite and Y/C video SD YPbPr with bi-level sync HD YPbPr with tri-level sync per SMPTE 274 RGBHV/RGBS/RGsB computer video with bi-level sync
Sampling		Analog sources with pixel rates up to 170 MHz are sampled 1:1. Analog sources with pixel rates above 170 MHz are filtered and sampled at 170 MHz, including but not limited to: <ul style="list-style-type: none"> <li>• 1920x1200 p</li> <li>• 2048x1080p</li> </ul>
EDID		EDID version 1.3 compatible
Loop-through		Active loop-through output of all input signals.

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### Input Specifications

**Table A-1.** ImagePRO-II Input Specifications

Input	Detail	Specification
<b>Input 3</b>	Connector	HDMI (Type A)
	Formats	RGB and YCbCr at 4:4:4, YCbCr at 4:4:2, per HDMI 1.4 specification
		Deep color at 8/10/12 bits
		Resolutions up to 2048x1080p @ 60 Hz
	EDID support	EDID 1.3 compatible
	HDCP hardware support	HDCP 1.4 compatible
	Audio Processing	LPCM audio only
		Max channels supported: 8
		Bit depths supported: 16, 20 or 24
		Sample rate: 48 KHz
	<b>Input 4</b>	Connector
Formats		Resolutions up to 2560x1600 @ 60 Hz (30 bits), per DisplayPort 1.1a Specification
EDID and HDCP hardware support		EDID 1.3 compatible & HDCP 1.4 compatible
Audio Processing		LPCM audio only
		Max channels supported: 8
		Bit depths supported: 16, 20 or 24
		Sample rate: 48 KHz
<b>Inputs 5 and 6</b>	Connector	SD/HD/3G SDI on BNC connector
	Formats	SD-SDI per SMPTE 259M-C (NTSC/PAL resolution)
		HD-SDI per SMPTE 292M, 296M
		3G-SDI per SMPTE 425
	Loop-through	Re-clocked loop-through output
	Audio Processing	LPCM audio only
		Max channels supported: 8
		Bit depths supported: 20 or 24
	Sample rate: 48 KHz	

## Genlock Specifications

The following table lists the Genlock input specifications.

## A. Specifications

### Output Specifications

**Table A-2.** Genlock Input Specification

Input	Detail	Specification
<b>Genlock</b>	Connector	BNC connector
	Formats	NTSC/PAL blackburst
		HD with tri-level sync
		SMPTE bi-level sync
	Loop-through	Passive loop-through

## Output Specifications

The following table lists the ImagePRO-II output specifications.

**Table A-3.** ImagePRO-II Output Specifications

Output	Detail	Specification
<b>DVI-D</b>	Connector	DVI-D
	Formats	All single-link DVI digital formats up to 165 MHz, per DVI 1.0 Specification
		All dual-link DVI formats up to 300 MHz
	EDID support	EDID 1.3 compatible
	HDCP hardware support	HDCP 1.4 compatible
<b>HD-15</b>	Connector	HD-15 VGA
	Format	NTSC/PAL composite on green pin NTSC/PAL Y/C video with bi-level sync on Y only: <ul style="list-style-type: none"> <li>• Y on Green pin</li> <li>• C on Red pin</li> </ul> SD YPbPr with bi-level sync HD YPbPr with tri-level sync per SMPTE 274 RGBHV/RGBS/RGsB computer video with bi-level sync
	EDID support	EDID 1.3 compatible
<b>HDMI</b>	Connector	HDMI (Type A)
	Formats	RGB and YCbCr at 4:4:4, per HDMI 1.4 specification
		Resolutions up to 2048x1080p @ 60 Hz
	EDID support	EDID 1.3 compatible
	HDCP hardware support	HDCP 1.4 compatible
	Audio Processing	LPCM audio only
		Max channels supported: 8

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### Output Specifications

**Table A-3.** ImagePRO-II Output Specifications

Output	Detail	Specification
		Bit depths supported: 16, 20 or 24
		Sample rate: 48 KHz
<b>DisplayPort</b>	Connector	DisplayPort
	Formats	Resolutions up to 2560x1600p @60 Hz
	EDID	EDID 1.3 compatible
	HDCP hardware support	HDCP 1.4 compatible
	Audio Processing	LPCM audio only
		Max channels supported: 8
		Bit depths supported: 16, 20 or 24
		Sample rate: 48 KHz
<b>SDI-1 and 2</b>	Connector	SD/HD/3G SDI on BNC connector
	Formats	SD-SDI per SMPTE 259M-C (NTSC/PAL resolution)
		HD-SDI per SMPTE 292M, 296M
		3G-SDI per SMPTE 425
	Audio Processing	LPCM audio only
		Max channels supported: 8
		Bit depths supported for HD or 3G formats: 20 or 24 Bit depth supported for SD formats: 20 (as per SMPTE 272M-2004 Level A)
	Sample rate: 48 KHz	
<b>Composite Video</b>	Connector	NTSC/PAL composite video on BNC connector

## A. Specifications

### Audio Mezzanine Specifications

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## Audio Mezzanine Specifications

The following table lists the ImagePRO-II Audio mezzanine specifications.

**Table A-4.** ImagePRO-II Audio Mezzanine Specifications

Connection	Detail	Specification	
<b>Analog Inputs</b>	Channels	2 channels of balanced audio, each on 3 pins	
	Sample Rate	48 KHz	
	Frequency Response	+/- 0.5dB, 20Hz to 20 KHz	
	Signal-to-Noise Ratio	90dB A-weighting	
	Total Harmonic Distortion + Noise	-70dB @ -1dBFS	
	Common Mode Rejection	75dB @ 60Hz	
	Crosstalk	-90dB @ 1KHz	
	Input Impedance	10K Ohms	
	Input Level Control	+4dBu, -10dBV	
	Recommended Connector	XLR	
	Recommended Cable Type	110 Ohm Differential Twinax	
	<b>Digital Inputs</b>	Audio Processing	8 channels of AES/EBU inputs, 2 channels per pin
Connection		75 ohms, unbalanced	
Audio Type		LPCM only	
Bit Depths supported		20 or 24	
Sample rates supported		48KHz or 96KHz	
Recommended Connector		BNC	
Recommended Cable Type		75 Ohm Coax	
<b>Analog Outputs</b>	Channels	2 channels of Balanced audio, each on 3 pins	
	Sample Rate	48 KHz	
	Frequency Response	+/- 0.5dB, 20Hz to 20 KHz	
	Signal-to-Noise Ratio	90dB A-weighting	
	Total Harmonic Distortion + Noise	-70dB @ -1dBFS	
	Crosstalk	-90dB @ 1KHz	
	Output Impedance	50 Ohms	

## A. Specifications

### Audio Mezzanine Specifications

**Table A-4.** ImagePRO-II Audio Mezzanine Specifications

Connection	Detail	Specification
	Input Level Control	+4dBu, -10dBV
	Recommended Connector	XLR
	Recommended Cable Type	110 Ohm Differential Twinax
<b>Digital Outputs</b>	Audio Processing	8 channels of AES/EBU inputs, 2 channels per pin
	Connection	75 ohms, unbalanced
	Audio Type	LPCM only
	Bit Depths supported	20 or 24
	Sample rates supported	48KHz or 96KHz
	Recommended Connector	BNC
	Recommended Cable Type	75 Ohm Coax
	Max Cable Length	100m

## A. Specifications

### User Control Specifications

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## User Control Specifications

The following table lists ImagePRO-II user control specifications.

**Table A-5.** ImagePRO-II User Control Specifications

Parameter	Specification
Control Modes	The unit may be controlled from a computer, tablet, smartphone, or external Encore or ScreenPRO-II Controller via Ethernet link.  Control functions include: <ul style="list-style-type: none"><li>• Source input configuration</li><li>• Output format selection</li><li>• Test pattern selection</li><li>• Transition effect selection and control</li></ul>
Front Panel Controls	Dimmable display screen Rotary encoder for easy menu navigation LED-lit buttons activate inputs, access key menus, manage transitions to a logo or internal black, and freeze the video.

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## Physical and Electrical Specifications

The following table lists ImagePRO-II physical and electrical specifications.

**Table A-6.** ImagePRO-II Physical and Electrical Specifications

Parameter	Specification
Power	100-240 VAC, 47-63 Hz, Auto-selecting 2.0A maximum
Mechanical	1 RU Rackmount Chassis  H: 1.72 in (4.4 cm)  W: 17 in (43.2 cm) without chassis handles, 19.06 in (48.4 cm) with chassis handles attached  D: 17.09 in (43.4 cm) from front panel to rear panel, 18.51 in (47 cm) from front of Adjust knob to face of BNC connectors
Weight	15.75 lb (7.1 kg)
Temperature	0-104 degrees Fahrenheit (0-40 degrees Celsius)
Humidity	0-95% non-condensing



## Communications Specifications

The following table lists ImagePRO-II communications specifications.

**Table A-7.** ImagePRO-II Communications Specifications

Parameter	Specification
USB	USB 1.1
Ethernet	RJ-45, 10/100 Mbps Autosense

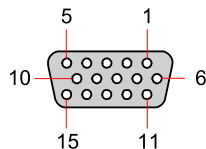
## Standard Connector Pinouts

The following topics are discussed in this section:

- [Analog 15-pin D Connector Pinouts](#)
- [DisplayPort Connector Pinouts](#)
- [DVI Connector Pinouts](#)
- [Ethernet Connector Pinouts](#)
- [HDMI Connector Pinouts](#)
- [Audio Mezzanine Pinouts](#)

### Analog 15-pin D Connector Pinouts

The following figure illustrates the analog 15-pin D connector:



**Figure A-1.** Analog 15-pin D Connector

The following table lists Analog 15-pin D connector pinouts.

**Table A-8.** Analog 15-pin D Connector Pinouts

Pin	Signal	Pin	Signal
1	Red	9	
2	Green	10	GND
3	Blue	11	
4		12	
5		13	H Sync or C Sync
6	Red return	14	V Sync

## A. Specifications

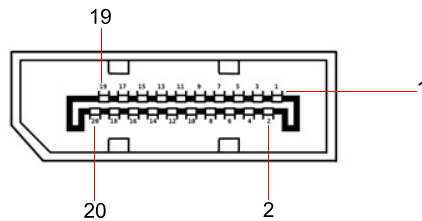
### Standard Connector Pinouts

**Table A-8.** Analog 15-pin D Connector Pinouts

Pin	Signal	Pin	Signal
7	Green return	15	
8	Blue return		

## DisplayPort Connector Pinouts

The following figure illustrates the DisplayPort connector.



**Figure A-2.** DisplayPort Connector

The following table lists the DisplayPort connector pinouts.

**Table A-9.** DisplayPort Connector Pinouts

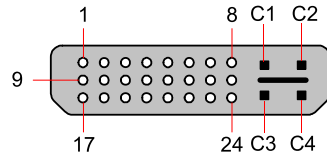
Pin	Signal	Pin	Signal
1	ML_Lane 0 (p)	11	GND
2	GND	12	ML-Lane 3 (n)
3	ML_Lane 0 (n)	13	CONFIG1 (connected to Ground)
4	ML-Lane 1 (p)	14	Config2 (connected to Ground)
5	GND	15	AUX CH (p)
6	ML_Lane 1 (n)	16	GND
7	ML-Lane 2 (p)	17	AUX CH (n)
8	GND	18	Hot Plug Detect
9	ML_Lane 2 (n)	19	Return (return for power)
10	ML_Lane 3 (p)	20	DP_PWR Power for connector (3.3 V, 500 mA)

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### Standard Connector Pinouts

#### DVI Connector Pinouts

The following figure illustrates the DVI connector.



**Figure A-1.** DVI Connector

The following table lists DVI Connector pinouts. Please note:

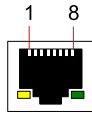
- T.M.D.S = Transition Minimized Differential Signal
- DDC = Display Data Channel

**Table A-10.** DVI Connector Pinouts

Pin	Signal	Pin	Signal
1	T.M.D.S. Data 2-	15	ground (for +5V)
2	T.M.D.S. Data 2+	16	Hot Plug Detect
3	T.M.D.S. Data 2/4 Shield	17	T.M.D.S. Data 0-
4	T.M.D.S. Data 4-	18	T.M.D.S. Data 0+
5	T.M.D.S. Data 4+	19	T.M.D.S. Data 0/5 Shield
6	DDC Clock	20	T.M.D.S. Data 5-
7	DDC Data	21	T.M.D.S. Data 5+
8	Analog Vertical Sync	22	T.M.D.S. Clock Shield
9	T.M.D.S. Data 1-	23	T.M.D.S. Clock +
10	T.M.D.S. Data 1+	24	T.M.D.S. Clock -
11	T.M.D.S. Data 1/3 Shield	C1	Analog red
12	T.M.D.S. Data 3-	C2	Analog green
13	T.M.D.S. Data 3+	C3	Analog blue
14	+5V Power	C4	Analog H sync

## Ethernet Connector Pinouts

The following figure illustrates the Ethernet connector.



**Figure A-2.** Ethernet Connector

The following table lists Ethernet connector pinouts.

**Table A-11.** Ethernet Connector Pinouts

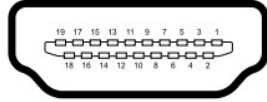
Pin	Signal	Wire Color
1	TX Data +	White / Orange
2	TX Data -	Orange
3	RX Data +	White / Green
4		Blue
5		White / Blue
6	RX Data -	Green
7		White / Brown
8		Brown

## A. Specifications

### Standard Connector Pinouts

## HDMI Connector Pinouts

The following figure illustrates the HDMI connector.



**Figure A-3.** HDMI Connector

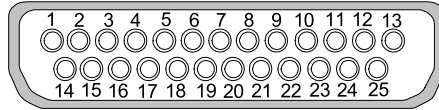
The following table lists the HDMI connector pinouts.

**Table A-12.** HDMI Connector Pinouts

Pin	Signal	Pin	Signal
1	TMDS Data2+	11	TMDS Clock Shield
2	TMDS Data2 Shield	12	TMDS Clock-
3	TMDS Data2-	13	CEC
4	TMDS Data1+	14	
5	TMDS Data1 Shield	15	SCL
6	TMDS Data1-	16	SDA
7	TMDS Data0+	17	DDC/CEC/HEC Ground
8	TMDS Data0 Shield	18	+5 v Power (max 50 mA)
9	TMDS Data0-	19	Hot Plug Detect (All Versions) and HEC Data+
10	TMDS Clock+		

## Audio Mezzanine Pinouts

The following figure illustrates the audio mezzanine DB-25 pinouts.



**Figure A-4.** Audio Mezzanine

The following tables list the audio mezzanine pinouts. Table A-12 lists the DB-25 connector pinouts.

**Table A-13.** DB-25 Connector Pinouts

DB-25 Pin	Name
1	<b>Analog Audio Output #2</b> Positive / Hot
2	<b>Analog Audio Output #2</b> Chassis Ground
3	<b>Analog Audio Output #1</b> Negative / Cold
4	<b>Analog Audio Input #2</b> Positive / Hot
5	<b>Analog Audio Input #2</b> Chassis Ground
6	<b>Analog Audio Input #1</b> Negative / Cold
7	<b>Digital Audio Output #4</b> Data
8	<b>Digital Audio Output #3 / #4</b> Chassis Ground
9	<b>Digital Audio Output #1</b> Data
10	<b>Digital Audio Input #4</b> Data
11	<b>Digital Audio Input #3 / #4</b> Chassis Ground
12	<b>Digital Audio Input #1</b> Data
13	Not used
14	<b>Analog Audio Output #2</b> Negative / Cold
15	<b>Analog Audio Output #1</b> Positive / Hot
16	<b>Analog Audio Output #1</b> Chassis Ground

## A. Specifications

### Standard Connector Pinouts

**Table A-13.** DB-25 Connector Pinouts

DB-25 Pin	Name
17	<b>Analog Audio Input #2</b> Negative / Cold
18	<b>Analog Audio Input #1</b> Positive / Hot
19	<b>Analog Audio Input #1</b> Chassis Ground
20	<b>Digital Audio Output #3</b> Data
21	<b>Digital Audio Output #2</b> Data
22	<b>Digital Audio Output #1 / #2</b> Chassis Ground
23	<b>Digital Audio Input #3</b> Data
24	<b>Digital Audio Input #2</b> Data
25	<b>Digital Audio Input #1 / #2</b> Chassis Ground

The following table describes the pinouts for the XLR connectors.

**Table A-14.** XLR Pinouts

XLR Pin	Name
1	Chassis Ground
2	Positive / Hot
3	Negative / Cold

The following table lists connection recommendations for the XLR receptacles and plugs, and the BNC receptacles.

**Table A-15.** Connection Recommendations

Connection Type	Connector	Cable Type
Analog Input and Output	XLR Receptacle / Plug	110 Ohm Differential Twinax
Digital Input and Output	BNC Receptacle	75 Ohm Coax



## Input and Output Resolutions

The table below lists available input and output formats supported on the DVI-I, DVI-D, HD-15, HDMI, DisplayPort, and SDI BNC connectors. An “x” in a cell indicates that the listed format can be processed by the connector.

For a list of the Colorspaces supported by each input connector, refer to [Selecting the Colorspace](#) on page 37 of Chapter 4.

**Note**

This table lists standard ImagePRO-II formats. The list may change with each release. Please review the list of resolutions available with each new version of the firmware.

**Table A-16.** ImagePRO-II Input and Output Formats

Format	Colorspace	Connectors				
		DVI	HD-15	HDMI	DP	SDI BNC
NTSC (480i)	SMPTE, RGB		x			x
NTSC — 16:9	SMPTE, RGB		x			x
720x480p	SMPTE, RGB	x	x	x	x	
720x480p — 16:9	SMPTE, RGB	x	x	x	x	
PAL (576i)	SMPTE, RGB		x			x
PAL — 16:9	SMPTE, RGB		x			x
720x576p	SMPTE, RGB	x	x	x	x	
720x576p — 16:9	RGB	x	x	x	x	
640x480 @59.94	SMPTE, RGB	x	x	x	x	
640x480 @60	SMPTE, RGB	x	x	x	x	
640x480 60 VESA	SMPTE, RGB	x	x	x	x	
640x480 @72	SMPTE, RGB	x	x	x	x	
640x480 @75	SMPTE, RGB	x	x	x	x	
640x480 @85	SMPTE, RGB	x	x	x	x	
800x600 @50	SMPTE, RGB	x	x	x	x	
800x600 @56	SMPTE, RGB	x	x	x	x	
800x600 @59.94	SMPTE, RGB	x	x	x	x	
800x600 @60	SMPTE, RGB	x	x	x	x	
800x600 @72	SMPTE, RGB	x	x	x	x	
800x600 @75	SMPTE, RGB	x	x	x	x	
800x600 @85	SMPTE, RGB	x	x	x	x	

## A. Specifications

### Input and Output Resolutions

**Table A-16.** ImagePRO-II Input and Output Formats (Continued)

Format	Colorspace	Connectors				
		DVI	HD-15	HDMI	DP	SDI BNC
1024x768 @47.95	SMPTE, RGB	x	x	x	x	
1024x768 @48	SMPTE, RGB	x	x	x	x	
1024x768 @50	SMPTE, RGB	x	x	x	x	
1024x768 @59.94	SMPTE, RGB	x	x	x	x	
1024x768 @60	SMPTE, RGB	x	x	x	x	
1024x768 @70	SMPTE, RGB	x	x	x	x	
1024x768 @71.93	SMPTE, RGB	x	x	x	x	
1024x768 @72	SMPTE, RGB	x	x	x	x	
1024x768 @75	SMPTE, RGB	x	x	x	x	
1024x768 @85	SMPTE, RGB	x	x	x	x	
1152x864 @75	SMPTE, RGB	x	x	x	x	
1280x768 @47.95	SMPTE, RGB	x	x	x	x	
1280x768 @48	SMPTE, RGB	x	x	x	x	
1280x768 @50	SMPTE, RGB	x	x	x	x	
1280x768 @59.94	SMPTE, RGB	x	x	x	x	
1280x768 @75	SMPTE, RGB	x	x	x	x	
1280x800 @50	SMPTE, RGB	x	x	x	x	
1280x800 @59.94	SMPTE, RGB	x	x	x	x	
1280x800 @60	SMPTE, RGB	x	x	x	x	
1280x960 @50	SMPTE, RGB	x	x	x	x	
1280x960 @59.94	SMPTE, RGB	x	x	x	x	
1280x960 @60	SMPTE, RGB	x	x	x	x	
1280x960 @85	SMPTE, RGB	x	x	x	x	
1280x1024 @47.95	SMPTE, RGB	x	x	x	x	
1280x1024 @48	SMPTE, RGB	x	x	x	x	
1280x1024 @50	SMPTE, RGB	x	x	x	x	
1280x1024 @59.94	SMPTE, RGB	x	x	x	x	
1280x1024 @60	SMPTE, RGB	x	x	x	x	
1280x1024 @71.93	SMPTE, RGB	x	x	x	x	
1280x1024 @72	SMPTE, RGB	x	x	x	x	
1280x1024 @75	SMPTE, RGB	x	x	x	x	

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### Input and Output Resolutions

**Table A-16.** ImagePRO-II Input and Output Formats (Continued)

Format	Colorspace	Connectors				
		DVI	HD-15	HDMI	DP	SDI BNC
1280x1024 @85	SMPTE, RGB	x	x	x	x	
1360x768 @60	SMPTE, RGB	x	x	x	x	
1364x768 @47.95	SMPTE, RGB	x	x	x	x	
1364x768 @48	SMPTE, RGB	x	x	x	x	
1364x768 @50	SMPTE, RGB	x	x	x	x	
1364x768 @59.94	SMPTE, RGB	x	x	x	x	
1364x768 @75	SMPTE, RGB	x	x	x	x	
1364x1024 @47.95	SMPTE, RGB	x	x	x	x	
1364x1024 @48	SMPTE, RGB	x	x	x	x	
1364x1024 @50	SMPTE, RGB	x	x	x	x	
1364x1024 @59.94	SMPTE, RGB	x	x	x	x	
1364x1024 @75	SMPTE, RGB	x	x	x	x	
1366x768 @50	SMPTE, RGB	x	x	x	x	
1366x768 @59.94	SMPTE, RGB	x	x	x	x	
1366x800 @50	SMPTE, RGB	x	x	x	x	
1366x800 @59.94	SMPTE, RGB	x	x	x	x	
1366x800 @60	SMPTE, RGB	x	x	x	x	
1440x900 @60	SMPTE, RGB	x	x	x	x	
1440x900 @75	SMPTE, RGB	x	x	x	x	
1440x900 @85	SMPTE, RGB	x	x	x	x	
1400x1050 @48	SMPTE, RGB	x	x	x	x	
1400x1050 @50	SMPTE, RGB	x	x	x	x	
1400x1050 @59.94	SMPTE, RGB	x	x	x	x	
1400x1050 @60	SMPTE, RGB	x	x	x	x	
1400x1050 @75	SMPTE, RGB	x	x	x	x	
1536x768 @50	SMPTE, RGB	x	x	x	x	
1536x768 @59.94	SMPTE, RGB	x	x	x	x	
1600x1200 @47.95	SMPTE, RGB	x	x	x	x	
1600x1200 @48	SMPTE, RGB	x	x	x	x	
1600x1200 @50	SMPTE, RGB	x	x	x	x	
1600x1200 @59.94	SMPTE, RGB	x	x	x	x	

## A. Specifications

### Input and Output Resolutions

**Table A-16.** ImagePRO-II Input and Output Formats (Continued)

Format	Colorspace	Connectors				
		DVI	HD-15	HDMI	DP	SDI BNC
1600x1200 @60	SMPTE, RGB	x	x	x	x	
1600x1200 @75	SMPTE, RGB	x <sup>2</sup>	x <sup>1</sup>		x	
1680x1050 @60	SMPTE, RGB	x	x	x	x	
1280x720p @23.98	SMPTE, RGB	x	x	x		x
1280x720p @24	SMPTE, RGB	x	x	x		x
1280x720p @25	SMPTE, RGB	x	x	x		x
1280x720p @29.97	SMPTE, RGB	x	x	x		x
1280x720p @30	SMPTE, RGB	x	x	x		x
1280x720p @48	SMPTE, RGB	x	x	x	x	
1280x720p @50	SMPTE, RGB	x	x	x	x	x
1280x720p @59.94	SMPTE, RGB	x	x	x	x	x
1280x720p @60	SMPTE, RGB	x	x	x	x	x
1920x1080p @23.98	SMPTE, RGB	x	x	x	x	x
1920x1080p @24	SMPTE, RGB	x	x	x	x	x
1920x1080p @25	SMPTE, RGB	x	x	x	x	x
1920x1080p @29.97	SMPTE, RGB	x	x	x	x	x
1920x1080p @30	SMPTE, RGB	x	x	x	x	x
1920x1080p @48	SMPTE, RGB	x	x	x	x	
1920x1080p @50	SMPTE, RGB	x	x	x	x	x
1920x1080p II @50	SMPTE, RGB	x	x	x	x	
1920x1080p @59.94	SMPTE, RGB	x	x	x	x	x
1920x1080p @60	SMPTE, RGB	x	x	x	x	x
1920x1080sF@23.98	SMPTE, RGB	x	x	x	x	x
1920x1080sF@24	SMPTE, RGB	x	x	x	x	x
1920x1080sF@25	SMPTE, RGB	x	x	x	x	x
1920x1080sF@29.97	SMPTE, RGB	x	x	x	x	x
1920x1080sF@30	SMPTE, RGB	x	x	x	x	x
1920x1080i @50	SMPTE, RGB	x	x	x	x	x
1920x1080i @59.94	SMPTE, RGB	x	x	x	x	x

## A. Specifications

### Input and Output Resolutions

**Table A-16.** ImagePRO-II Input and Output Formats (Continued)

Format	Colorspace	Connectors				
		DVI	HD-15	HDMI	DP	SDI BNC
1920x1080i @60	SMPTE, RGB	x	x	x	x	x
1920x1200p @50	SMPTE, RGB	x	x	x	x	
1920x1200p @59.94	SMPTE, RGB	x	x	x	x	
1920x1200p @60	SMPTE, RGB	x	x	x	x	
1920x1200 II @60	SMPTE, RGB	x <sup>2</sup>	x <sup>1</sup>		x	
Apple 1200p @60	SMPTE, RGB	x	x	x	x	
1792x1344p @60	SMPTE, RGB	x <sup>2</sup>	x <sup>1</sup>		x	
1856x1392p @60	SMPTE, RGB	x <sup>2</sup>	x <sup>1</sup>		x	
1920x1440p @60	SMPTE, RGB	x <sup>2</sup>	x <sup>1</sup>		x	
2K analog @59.94	SMPTE, RGB	x <sup>2</sup>	x <sup>1</sup>		x	
2048x1080p @23.98	SMPTE, RGB	x	x	x	x	x
2048x1080p @24	SMPTE, RGB	x	x	x	x	x
2048x1080p @25	SMPTE, RGB	x	x	x	x	x
2048x1080p @29.97	SMPTE, RGB	x	x	x	x	x
2048x1080p @30	SMPTE, RGB	x	x	x	x	x
2048x1080p @48	SMPTE, RGB	x	x	x	x	
2048x1080p @50	SMPTE, RGB	x	x	x	x	x
2048x1080p II @50	SMPTE, RGB	x	x	x	x	
2048x1080p @59.94	SMPTE, RGB	x	x	x	x	x
2048x1080p @60	SMPTE, RGB	x	x	x	x	x
2048x1080p II @60	SMPTE, RGB	x <sup>2</sup>	x <sup>1</sup>		x	
2048x1080sF @23.98	SMPTE, RGB	x	x	x	x	x
2048x1080sF @24	SMPTE, RGB	x	x	x	x	x
2048x1080sF @25	SMPTE, RGB	x	x	x	x	x
2048x1080sF @24.97	SMPTE, RGB	x	x	x	x	x
2048x1536p @60	SMPTE, RGB	x <sup>2</sup>	x <sup>1</sup>		x	
2304x1440P @60	SMPTE, RGB	x <sup>2</sup>	x <sup>1</sup>		x	
2560x1440p @50	SMPTE, RGB	x <sup>2</sup>	x <sup>1</sup>		x	
2560x1440p @59.94	SMPTE, RGB	x <sup>2</sup>	x <sup>1</sup>		x	

## A. Specifications

### Input and Output Resolutions

**Table A-16.** ImagePRO-II Input and Output Formats (Continued)

Format	Colorspace	Connectors				
		DVI	HD-15	HDMI	DP	SDI BNC
2560x1440p @60	SMPTE, RGB	x <sup>2</sup>	x <sup>1</sup>		x	
2560x1600p @50	SMPTE, RGB	x <sup>2</sup>	x <sup>1</sup>		x	
2560x1600p @59.94	SMPTE, RGB	x <sup>2</sup>	x <sup>1</sup>		x	
2560x1600p @60	SMPTE, RGB	x <sup>2</sup>	x <sup>1</sup>		x	

<sup>1</sup> Input only

<sup>2</sup> Dual-link DVI