

X1 PRO

VENUS



**Simply Professional
4K Scaling and Switching**

RGBlink[®]



4K Professional Switching

4K switching has never been more practical and straight forward. The modular X1 platform allows the addition of a range of signal options over and above the standard inputs. Standard inputs include 4K signals on Dual Link DVI, HDMI and DisplayPort. Output to DisplayPort as 4K or scale and split across dual 2K DVI outputs. For those needing 4K distribution and splicing on four DVI, simply add the additional output module. The output module expands X1pro to four 2K DVI outputs and adds a further DisplayPort output.

Alternately, X1pro with the output module can be become a 4K presentation switcher with the additional DVI outputs (and DisplayPort) becoming a full Preview.

All the power and flexibility familiar with RGBlink X Series.

Features

- Input 4K signal via DisplayPort, HDMI and DVI as standard
- Input standard 2K formats
- Scale and switch seamlessly between 2K and 4K inputs
- Output to any format 2K or 4K
- EDID Management on board
- HDCP 2.0 compliant
- DisplayPort 1.2 with MST
- Modular design
- Options for expandability
- Control your way either on board or with a range of remote apps

Seamless Switching

Use the large illuminated buttons switch between inputs seamlessly. X1pro also allows source pre-selection for accurate TAKE.

When the output expansion card is fitted, X1pro can optionally be set to Switcher Mode, with the additional DVI outputs and the additional DisplayPort allowing full Preview monitoring with TAKE to output.



Up to 4K UHD Input

Built on standards, X1pro supports input signals up to UHD 3840x2160 on any of the inputs. Any input independent of resolution and refresh can be switched seamlessly to output.



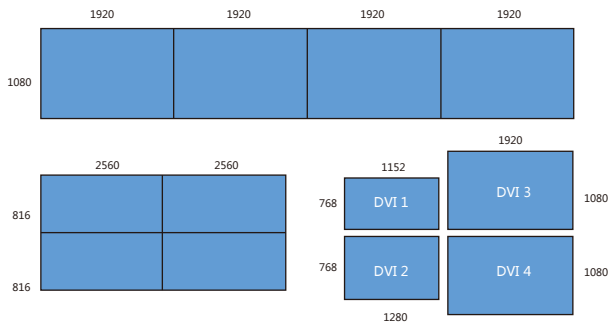
* X1pro shown with optional Output Expansion option fitted



Splice DVI Outputs in Any Configuration

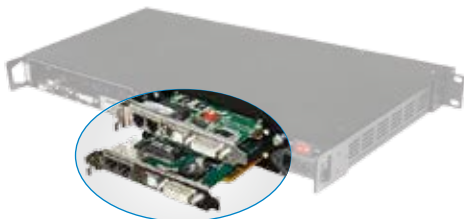
Output 4K including UHD as standard via DisplayPort, or scale and splice to the two standard DVI outputs. For 4K distribution to four DVI outputs, add the additional output module.

With the output expansion module fitted, four DVI outputs of X1pro can be spliced or arranged as desired, for example as 8Kx1K pixels or 4Kx2K pixels.



Connect and Expand

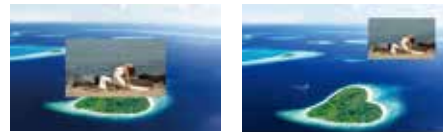
X1pro includes the unique RGBlink system for installing common LED Display Sender Cards directly into the processor, saving valuable installation space and reducing complexity. The design allows up to two standard Sender Cards or one dual height Sender Card to be installed when the output expansion card is not fitted.



* Optional inputs require EXT internal interface to be installed. Refer Product Codes and Specifications.

Picture in Picture

Add a Picture in Picture (PIP) or Picture-By-Picture (PBP) using one of the build in pre-sets. The PBP feature is ideal for splitting 2 inputs across 2 outputs. Many possibilities with the PIP/PBP feature including for keyed text overlay.



Modular Design

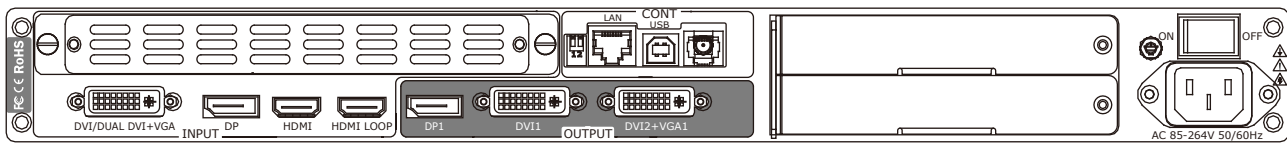
Adding additional inputs to X1pro is straight forward. Three input slots are available for a range of options – the same options that are available for X1. These include 2K options for USB, SDI, DVI, HDMI and VGA.



Control Your Way

All X1pro functions can be controlled from the front panel, and in addition, RGBlink offers a suite of apps across popular platforms for both laptop control and mobile control. Simply connect X1pro to an Ethernet network, or create a hotspot with the X1 Wi-Fi option.



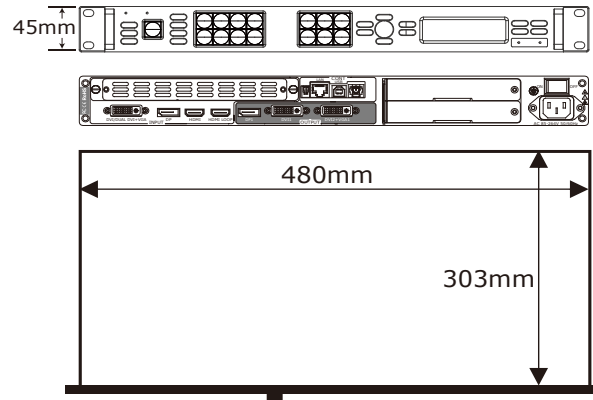


Specifications

Features	Output Channels	1 (2 with output expansion module fitted)	
	PIP	Yes, as overlay, pre-sets	
	Text Overlay	Yes, pre-set position variable key, edge blend	
	Visual Effects	Brightness, Contrast, Saturation, Sharpness, Hue, Gamma	
	EDID	Yes, Configurable	
	Transitions	Variable fade time, Alpha control	
	Split	Yes	
	Sender Card Support	2 slots, supports dual height cards	
	Performance	Input Resolutions	DVI / HDMI: SMPTE: 625@25/50 PAL 525@29.97/59.94 NTSC VESA: 800x600@60 1024x768@60 1280x768@60 1280x1024@60 1600x1200@60 1920x1080@60 1920x1200@60 2048x1152@60 2560x816@60 3840x2160@30 4096x2160@30 Display Port: 1920x1080@60 2560x1600@60 3840x2160@30 4096x2160@30 SDI: 720p@50/60 1080i@59.94/60 1080p@23.98/24/25/29.97/30/59/59.94/60 1080psf@23.98/24/25/29.97/30 1440x487@60 1440x576@50 VGA: 800x600@60 1024x768@60 1280x1024@60 1440x900@60 1600x1200@60
		Output Resolutions	Select from standard set or select user configurable SMPTE: 720p 1080p VESA: 800x600@60 1024x768@60 1280x720@50/60 1280x800@60 1280x960@60 1280x1024@60 1400x1050@60 1600x1200@60 1920x1080@60 1920x1200@60 2048x1152@60 2560x1600@60 3840x1080@60 3840x2160@30 (DisplayPort only)
Standard Supported		DVI: DVI-I Dual Link (Input) DVI-I Single Link (Output) HDMI: Standard: 1.4 (4K@30) Option Module: 1.3 (2K) VGA: UXGA DisplayPort: 1.1 SDI: SMPTE 425M (Level A & B) SMPTE 424M SMPTE 292M	
Grayscale Processing		SMPTE 259M-C DVB-ASI	
Input (Standard)		10bit	
Connectors		1 x DVI/Dual-DVI 1 x VGA 1 x DisplayPort 1 x HDMI (with loop)	
	Input (Option Module)	3 x Slots Choose from HDMI, DVI, VGA, CVBS, 3G-SDI, USB, Audio Management (3 slots)	
	Output (Standard)	1 x DisplayPort 2 x DVI	
	Output (Option Module)	1 x Audio Module (when Audio Management module fitted) 1 x Output Expansion Module (1 x DisplayPort and 2 x DVI per module)	
	Power	IEC	
	Update	USB B RJ9	
	LAN	RJ45	
Power	Input Voltage	AC 85-264V 50/60Hz	
	Max Power	35W	
Operation	Temperature	0-45°C	
	Humidity	20-90% RH	
Physical	Device Dimensions	480mm x 303mm x 45mm	
	Device Weight	2.8kg	
	Packed Dimensions	535mm x 355mm x 130mm	
	Packed (net) Weight	6.3kg	

Ordering Codes

110-0001-10-0	Venus X1pro
190-0001-21-0	Output Expansion Module
190-0001-02-1	VGA Input Module
190-0001-03-1	DisplayPort Input Module
190-0001-04-1	DVI Input Module
190-0001-05-1	DVI Input/Loop Out Module
190-0001-06-1	HDMI Input/Loop Out Module
190-0001-07-1	SDI In/Loop Out Module
190-0001-09-1	CVBS In/Backup Module
190-0001-10-1	USB In/Backup Module
190-0001-11-1	Audio Management Module
190-0001-12-0	LAN/Wi-Fi/Hotspot Comm. Module



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