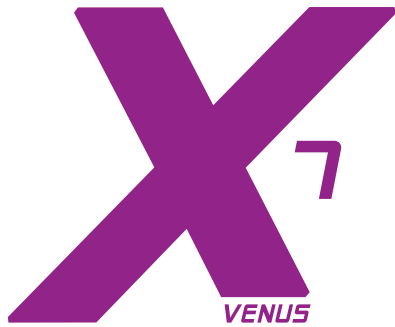


# X<sup>7</sup>

VENUS



**RGBlink**<sup>®</sup>



Venus X7 is an HDCP compliant, scalable and extendable routing and video wall processor configurable to support a variety of inputs and outputs and windowing capabilities. X7 features RGBlink 3rd generation high performance video scaling technology for excellent image reproduction. X7 has a modular design, the card frame style, SmartSlot system allowing installation of up to 32 inputs and 32 outputs. Signals supported include SDI, HDMI and DVI, as well as DisplayPort, VGA, and USB direct input. Any input can be scaled, positioned, routed, transcoded to any output or be assembled as layers across outputs. Output capacity is a massive 64 mega pixels. Built for intensive switching and routing applications, the modular design extends to all aspects of the X7 for reliable and durable service.



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## Features

- Seamless switching 32 x 32 matrix / router
- Up to 64 mega pixels output splicing
- Display up to 128 layers
- DSK and Chroma Key features
- OSD text overlay feature for subtitling and messaging
- Wide range of SmartSlot™ modules for input and output
- Redundant Hot Swap Power Supply option
- Auto Temperature Control
- Genlock built-in
- Support scheduled power off/on and remote activation
- Windows ® and Apple OS X® native software applications

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## Markets

- Control Room
- Broadcast
- Security Monitoring
- Conference & Events Centres
- Media Centre

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## SmartSlot™ Modular Design

Venus X7 has eight input and eight output slots - each of these slots can contain a user specified module of any signal type. With each module having four inputs/outputs, Venus X7 can be configured with up to 32 inputs and 32 outputs across a range of signal types.

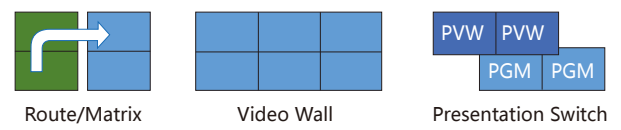






## Multi-Mode Operation

Configure X7 as a matrix, as a continuous display for video wall operations, or as a presentation switch for seamless switching



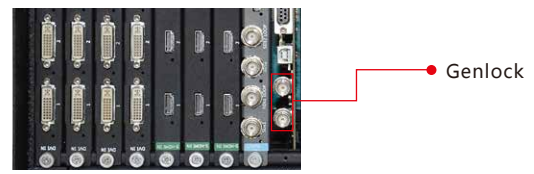
## Multi-Layer Merge

Inputs from a module can be composited as a one layer multi-view, ideal monitoring applications.



## Genlock Built-in

Genlock sync in and out is included and built into X7. Genlock is resolution configurable for provision to other devices.



## 64 Mega Pixel Capacity

Each installed output can be independently configured for resolution, including up to UHD 4K format at 60Hz – Venus X7 supports HDMI 2.0 and is HDCP compliant. Total pixel count across all outputs with eight output modules installed is 64 million pixels.



## 4K Standards Support

X7 supports UHD 4K and other 4K formats at up to 60Hz with HDMI and DisplayPort. This expands the range of applications for X7 to the most modern installations.



## Multi-Layer Display Technology

Arrange inputs as layers across outputs arranged in any way, with layers/windows directed to specific outputs or on a virtual canvas. Pre-sets (banks) can be saved and recalled at the touch of button.



## Configure and Control

All configuration and control is undertaken remotely via either USB or Ethernet connected laptop or mobile device. The RGBlink RoVA software is available for both Windows® and Apple OS X® platforms. Software features include drag-n-drop for easy placement of input layers onto the output canvas.

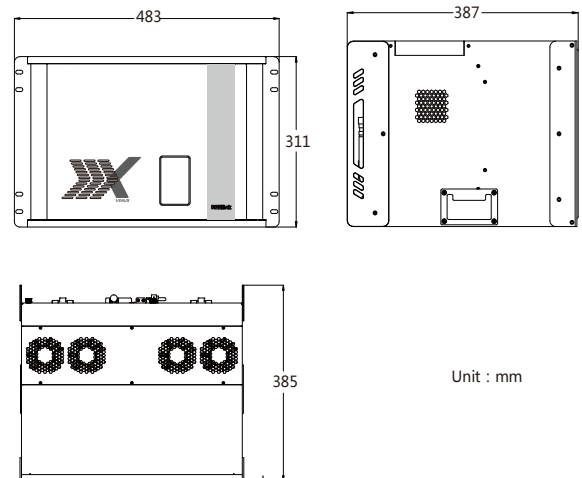


# Specifications

Inputs	SmartSlots	8 (up to 32 digital inputs)
	Signals Options	HDMI2.0 (4K@60)   DisplayPort1.2   3G-SDI   12G-SDI   DVI   VGA   CVBS   USB Media
Performance	SmartSlots	8 (up to 32 digital outputs)
	Signal Options	HDMI   DVI-I   3G-SDI   12G-SDI   VGA
Performance	Input Resolutions	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 480i   576i VGA: 800x600@60   1024x768@60   1280x1024@60   1440x900@60   1600x1200@60 DVI&HDMI: SMPTE: 625@25/50 PAL   525@29.97/59.94 NTSC   720p@50/59.94/60   1080p@50/59.94/60   1080i@50/59.94/60 VESA: 800x600@60   1024x768@60   1280x768@60   1280x1024@60   1600x1200@60   1920x1080@60   1920x1200@60   2048x1152@60   2560x816@60 DP: 1920x1200@60   2560x1600@60   3840x2160@30 4K: SMPTE: 625/25/50 PAL   525/29.97/59.94 NTSC   1080P50/59.94/60   1080i50/59.94/60   720p50/59.94/60 VESA: 3840x2160x24   3840x2160x25   3840x2160x30
	Output Resolutions	Select from standard set or select user configurable SMPTE: 625/25/50 PAL   525/29.97/59.94 NTSC   1080p@50/59.94/60   1080i@50/59.94/60   720p@50/59.94/60 1280x720@23.98/24/25/29.97/30   1920x1080@23.98/24/25/29.97/30 VESA: 800x600@60   1024x768@60/75/85   1280x720@60/60   1280x800@60   1280x1024@60   1360x768@60   1366x768@60   1400x1050@60   1440x900@60   1600x1200@60   1680x1050@60   1920x1080@60   1920x1200@60   2048x1152@60   2560x816@60   2560x1440@60   2560x1600@60   3840x2160@30/60   4096x2304@30/60  not all resolutions supported for VGA output. 4K resolutions only on selected modules
	Genlock	480i   576i   720p@50/59.94   1080i@50/59.94   1080p@50/59.94/60   1080psf@23.98/24
	Standard Supported	DVI: DVI-I Dual Link (Input)   DVI-I Single Link (Output) HDMI: 2.0 VGA: UXGA DisplayPort: 1.2 SDI: SMPTE 425M (Level A & B)   SMPTE 424M   SMPTE 292M SMPTE 259M-C   DVB-ASI
Features	Max Layers (switching operations)	10
	Image Scaling and Sampling	High Quality
	Grayscale Processing	12bit
	Processing Engine	10bit
	OSD/Text Overlay	Standard
	EDID Management	Standard
	Signal Backup	Standard
	GenLock	HS & VS
Remote Control Apps	Windows®   Apple OS X®   iPhone®   iPad®   Android®	
Connectors	Genlock	2 x BNC
	Power	IEC
	Update	USB B
	LAN	RJ45
Power	Input Voltage	AC 100-240V 50/60Hz
	Max Power	40W
	Power Supply	Exchangeable   Optional redundant PSU can be fitted
Operation	Temperature	-25°C to 55°C
	Humidity	10-90% RH
Physical	Device Dimensions	482mm x 385mm x 311mm
	Device Weight	18kg (fully configured)
	Packed Dimensions	540mm x 430mm x 360mm
	Packed (net) Weight	25kg (fully configured)

## Order code

310-0007-00-0	<b>Venus X7</b>
190-0003-01-0	Quad DVI Input Module
190-0003-02-0	Quad HDMI Input Module
190-0003-03-0	Quad VGA Input Module
190-0003-04-0	Quad SDI Input Module
190-0003-06-0	8Way CVBS Input Module
190-0003-07-0	Quad USB Input Module
190-0003-08-0	Dual HDMI & SDI Input Module
190-0003-09-0	Dual VGA & CVBS Input Module
190-0003-11-0	4K Input Module (HDMI/DisplayPort)
190-0003-12-0	4K Input Module (12G-SDI)
190-0003-13-0	H.264 Streaming Input Module
190-0003-21-0	Quad DVI Output Module
190-0003-22-0	Quad HDMI Output Module
190-0003-23-0	Quad VGA Output Module
190-0003-24-0	Quad SDI Output Module
190-0003-25-0	4K Output Module (HDMI)



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