

## VuScape Custom Video Wall Controller

### Visualization solutions for professional and mission-critical applications

VuScape™ is a high-performance video wall processor ideal for small or large video wall deployments with custom requirements, in control rooms, collaboration rooms and corporate signage applications. Easily control and distribute all your content sources to any display on your network with the utmost flexibility and full-featured management software.



### Features

- ✓ Power up to 96 displays with a single controller
- ✓ Capture up to 40x 4K sources with a single controller
- ✓ Mix baseband and IP sources on the same controller (Multiple 4K HDMI/Display Port inputs)
- ✓ Display up to 160 HD IP streams simultaneously
- ✓ Decoding of IP streams through hardware up to 4K
- ✓ Display an unlimited number of windows per screen
- ✓ NVIDIA Quadro GPU with 3D Acceleration available
- ✓ Encoding of HDMI inputs or of the video wall up to 4K
- ✓ Single chassis solution for a simplified deployment
- ✓ 24-bit true color image processing at full frame rate
- ✓ Support for standard Windows applications
- ✓ Dependable for 24/7 mission-critical operations
- ✓ Powered by VuTrex™ technology



#### User Friendly

Video wall control made easy. Our systems are easy to deploy, easy to use and easy to manage.



#### Future Proof

Open architecture, standards-based, and interoperable with 3rd party solutions.



#### Dependability

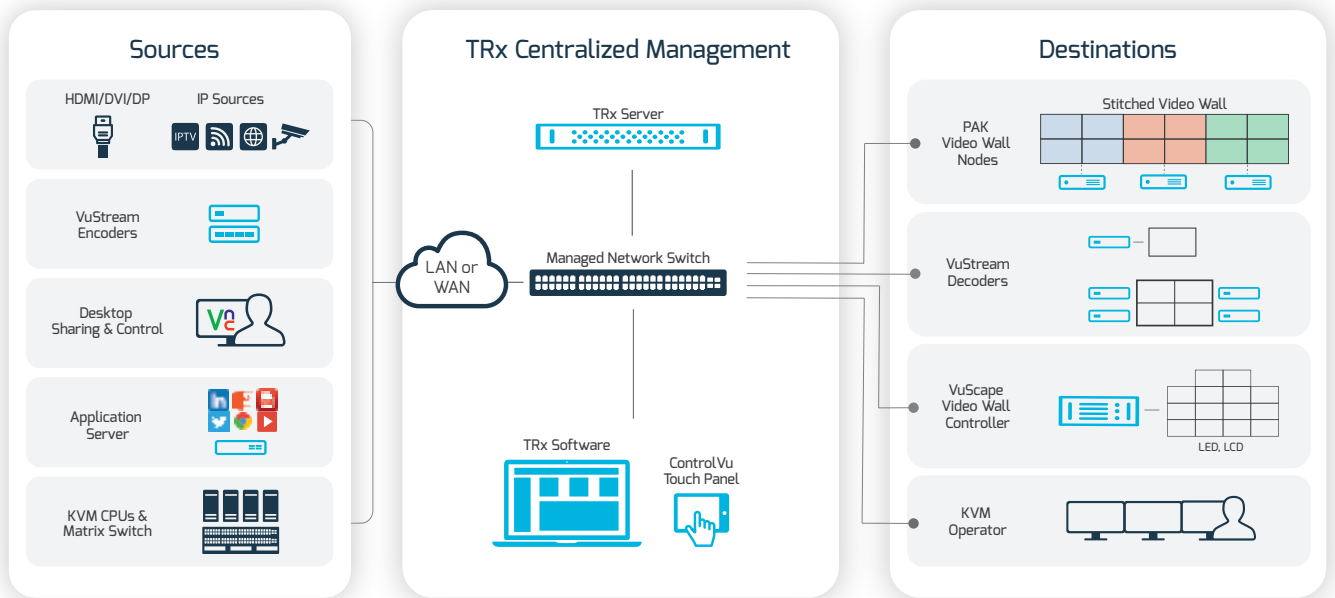
Optimized for real-time throughput providing reliable 24/7 operations.



#### Modular And Scalable

Only buy what you need. Our system can grow with you as you needs change.

## VuScope Workflow



## VuScope Applications

### Control Rooms



VIDEO WALL CONTROL AND KVM

### Corporate Workspaces



MULTI-SOURCE VISUALIZATION

### Experience Centers



VERSATILE DISPLAY MANAGEMENT

### Crisis Rooms



UNIFIED VISUALIZATION

### Lobby Signage



CONTENT MANAGEMENT AND DISTRIBUTION

### Classrooms and Auditoriums



PRESENTATION AND COLLABORATION

## Selecting the Right VuScape Video Wall Controller



VuScape	VS10	VS60	VS120	VS280	VS400/640
IDEAL FOR	Single display or small video wall with limited space and network sources only	Small video wall with limited space requiring GPU and decoding	Midsized video wall with many inputs & outputs requiring GPU and more decoding power	Midsized video wall with even more inputs & outputs requiring GPU and more decoding power	Large video wall with many inputs, outputs and decoding
FORM FACTOR	VESA Mount	Tower	Rackmount 4RU	Rackmount 4RU	Rackmount 4RU each
MAX OUTPUTS	4x 4K	4x 4K	16x 4K	16x 4K	24x 4K or 32x HD
MAX INPUTS	-	4x 4K	12x 4K	24x 4K	32x 4K and/or 64x HD
MAX SIMULTANEOUS IP STREAMS	16x HD / 2x 4K	16x HD / 4x 4K	48x HD / 12x 4K	96x HD / 24x 4K	192x HD / 48x 4K
SOURCES	RTSP, websites, VNC, pictures, text, video files and Windows applications				

## Features

### Powerful Management Software

Intuitive software, whether it's TRx or VuWall2, benefit from an unlimited number of ways to control and manage video walls.

### Big Data Visualization

VuScape can display any kind of content coming from cloud/network based solutions such as websites, data, third-party SCADA, business analytics and social media data.

### Touch Panel Control

Give operators the freedom to change layouts and control devices with a simple touch. Create fully customized panels from our web-based control panel designer, quickly and easily, without any programming skills.

### Operator Workstation and KVM

Control computers remotely with networked keyboard/mouse emulator. Give operators seamless continuity between controlling the video wall and their desktops making the video wall an extension of their desks.

### Bridging AV and IT

Powered by VuTrex™, VuWall's unique hybrid and interoperable technology, capture all types of sources with one system and seamlessly integrate with the entire ecosystem.



## VuScape Series 2 Technical Specifications

Product Name	VuScape VS120-2	VuScape VS280-2	VuScape VS400-2
<b>Hardware</b>			
CPU	Intel® i5 6-core 2.9GHz	Intel® Xeon® 8-core Silver 2.1GHz	Intel® i7 3.6GHz
RAM	32GB		
SSD	1x 500GB SSD Optional: 2 x 500GB SSD RAID1	2x 500GB SSD RAID1	2x 500GB SSD RAID1
Backplane	4x Slot PCI Express x16	7x Slot PCI Express x16	10x Slot PCI Express x16
Network	1x 10GbE + 1x 1GbE	1x 10GbE + 1x 1GbE + 1x 1GbE IPMI	2x 1GbE
Weight	21-25 kg (shipping weight: 32 kg)   46.3-55.1lbs (shipping weight: 70.5lbs)		
Case	19" 4RU case		
Dimensions	428 W x 467 D x 176 H mm (16.85" W x 18.38" D x 6.93" H )		
Power Supply	100-240 VAC, 550W Optional: 2x800W Hotplug, Redundant	100-240 VAC 2x800W Hotplug, Redundant	
Operating Conditions	Temperature 0-35°C (32-95°F)   Humidity 20-80%		
MTBF	100,000hrs (Fans = 70,000 hrs)		
BTU	Max. 1700BTU/h to Max. 2500BTU/h		
Noise Level	30dB up to 45dB (Depends on system config + room temperature)	40dB up to 65dB (Depends on system config + room temperature)	
<b>Software</b>			
OS	Windows 10 Enterprise LTSC 64bit		
Management	Optional: TRx Management or VuWall2		
Recovery	Easy backup and recovery USB		
<b>Outputs</b>			
Max. Number of Outputs	Up to 12x	Up to 16x (64x with AdScape)	Up to 16x (64x with AdScape)
Configuration	High End NVIDIA Quadro GPU with 4x outputs per card / Max. 32,768x32,768 pixel per system		
Resolution	VS-2-4HO card: HDMI, 4x 4096x2160@60Hz per card VS-2-4DO card: DisplayPort 1.4, 4x 5120x3200@60Hz per card		
<b>Inputs</b>			
Display Port 1.2	Up to 6x	Up to 12x	Up to 16x
HDMI 1.4	Up to 12x	Up to 24x	Up to 32x
SDI	6x3G and 6x12G	12x3G and 12x12G	24x3G and 24x12G
Resolution	DisplayPort up to 3840x2160 and 4096x2160@60Hz, HDMI up to 3840x2160@30Hz up to 3840x2160@60Hz (4:2:0) 4096x2160@60Hz (4:2:0), 4096x2160@30Hz, SDI up to 3840x2160@60Hz (4:2:2)		
<b>Encoding / Decoding</b>			
Host CPU Decoding Capability	Default software decoding of 16x D1 or 8x HD (H.264/MPEG-4 Part 10, MPEG-2, MPEG-4)		
Optional Card Decoding Capability	48x 1080p30 or 12x 4K30 per system	96x 1080p30 or 24x 4K30 per system	128x 1080p30 or 32x 4K30 per system
Resolution	4x 4Kp30 / 16x 1080p30 / 8x 1080p60 /48x D1 per encoding or decoding card		
Stream Format	Protocols: RTSP, RTP, MPEG-2-TS, SRT; Distribution: unicast & multicast; Codec: H.264 (MPEG-4 Part 10 AVC) up to Level 5.2; Profiles: Baseline, Main, High, High 10, High 4:2:2, High 4:4:4 Predictive Profile Separate Plane		
Encoding and Recording	Encoding and recording of HDMI input sources and area of interest of the wall Maximum 4K per encoding channel or an area		

# VuScape Series 3 Technical Specifications

Product Name	VuScape VS120-3	VuScape VS640-3
<b>Hardware</b>		
CPU	Intel® i5 6-core 2.9GHz	Intel® i7 3.6GHz
RAM	32GB	
SSD	1x 500GB SSD Optional: 2 x 500GB SSD, RAID1	2x 500GB SSD, RAID1
Backplane	4x Slot PCIe x16	11xSlot PCIe x16
Network	1x 10GbE + 1x 1GbE	2x 1GbE
Weight	21-25 kg (shipping weight: 32 kg)   46.3-55.1lbs (shipping weight: 70.5lbs)	
Case	19" 4 RU case	
Dimensions	428 W x 467 D x 176 H mm (16.85" W x 18.38" D x 6.93" H)	
Power Supply	100-240 VAC, 550W Optional: 2x800W Hotplug, Redundant	100-240 VAC 800W using redundant N+1 hot swappable modules
Operating Conditions	Temperature 0-35°C (32-95°F)   Humidity 20-80%	
MTBF	100,000 hrs. (Fans = 70,000 hrs.)	
BTU	Max. 1700BTU/h	Max. 2,500 BTU/h
Noise Level	30dB up to 45dB (Depends on system config + room temp)	40dB up to 65dB (Depends on system config + room temp)
<b>Software</b>		
OS	Windows 10 Enterprise LTSC 64bit	
Management	Optional: TRx Management or VuWall2	
Recovery	Easy backup and recovery USB	
<b>Outputs</b>		
Max number of Outputs	HDMI: up to 12x 3840x2160@60Hz	HDMI: Up to 24x 3840x2160@60Hz or up to 32x 1920x1080@60Hz  Up to 96x 1920x1080@60Hz w/AdScape or up to 32x 1920x1080@60Hz
Configuration	4x outputs per card / Max. 32,768 x 32,768 pixel per system	
<b>Inputs</b>		
DisplayPort 1.2 With HDCP 1.4 Support	Up to 6x	Up to 32x (expandable)
HDMI With HDCP 2.2 Support	Up to 6x	Up to 32x (expandable)
DVI/VGA/HDMI	Up to 12x	Up to 64x (expandable)
Resolution	Up to 4096x2160@60Hz (DP1.2 and HDMI) up to 3840x2160@30Hz (HDMI 1.4) 1920x1200 (DVI/VGA), 1080i (component)	
Analog Inputs	Up to 24x	Up to 128x
Formats	Composite/S-Video with NTSC/PAL/SECAM (8x per board)	
SDI Inputs	Up to 12x	Up to 64x
Formats	3G-SDI, HD-SDI and SDI (SMPTE 352 Payload Identifiers)	
<b>Decoding</b>		
Host CPU Decoding Capability	Default software decoding of 16x D1 or 8x HD (H.264/MPEG-4 Part 10, MPEG-2, MPEG-4)	
Optional Card Decoding Capability	32x 1080p30 or 9x 4K30 per system	192x 1080p30 or 48x 4K30 per system
Resolution	3x 4Kp30 / 12x 1080p30 / 6x 1080p60 / 50x D1 per VS-3-12HDIPD decoding card	
Stream Format	Protocols: HTTP, RTSP, RTP, UDP Containers: MPEG4 part 1, MPEG2-TS, WMV, MOV Distribution: unicast & multicast Codec: H.264 (MPEG4 Part 10 AVC), VC-1, MPEG2 Part 2 & MJPEG	

## VuScape VS60 Technical Specifications

Product Name	VuScape VS60
<b>Hardware</b>	
CPU	Intel® i5 3.0GHz
RAM	32GB
SSD	240GB SSD
Network	1x 1GbE LAN
Weight	7 kg   15.4 lbs
Chassis	Mini-tower
Dimensions	169 W x 356 D x 435 H mm (6.7" W x 14.0" D x 17.1" H)
Power Supply	100-240V –250W
Operating Conditions	Temperature 5-35°C (40-95°F)   Humidity 10-85%
Noise Level	13dB up to 21dB (Depends on system configuration and room temperature)
<b>Software</b>	
OS	Windows 10 Enterprise LTSC 64bit
Management	Optional: TRx Management or VuWall2
<b>Outputs</b>	
HDMI	Up to 4x HDMI with VS-2-4HO card
Resolution	4096x2160@60Hz per output
<b>Inputs</b>	
DisplayPort 1.2	Up to 2
HDMI 1.4	Up to 4
SDI	Up to 2x12G and 2x3G
Resolution	DP up to 4096x2160@60Hz, HDMI up to 4096x2160@30Hz or 4096x2160@60Hz (4:2:0) SDI up to 3840x2160@60Hz (4:2:2)
<b>Encoding / Decoding</b>	
Host CPU Decoding Capability	Default software decoding of 16x D1 or 8x HD (H.264/MPEG-4 Part 10, MPEG-2, MPEG-4)
Optional Card Decoding Capability	Up to 4x 3840x2160@30Hz or 8x 1920x1080@60Hz or 16x 1920x1080@30Hz or 48x D1 or any mix thereof without exceeding limits
IP Encoding	Up to 4x 3840x2160@30Hz or 8x 1920x1080@60Hz or 16x 1920x1080@30Hz or 48x D1 or any mix thereof without exceeding limits
Stream Format	Protocols: RTSP, RTP, MPEG-2-TS, SRT; Distribution: unicast & multicast; Codec: H.264 (MPEG-4 Part 10 AVC) up to Level 5.2; Profiles: Baseline, Main, High, High 10, High 4:2:2, High 4:4:4 Predictive Profile Separate Plane
Encoding and Recording	Encoding and recording of HDMI input sources and area of interest of the wall Maximum 4K per encoding channel or an area

## VuScape VS10 Technical Specifications

Product Name	VuScape VS10-1	VuScape VS10-4
Part Number	VuScape VS10-1D0-12IPD	VuScape VS10-4D0-16IPD
<b>Hardware</b>		
CPU	Intel® i5 3,6GHz	
RAM	8GB	16GB
SSD	1x 256GB SSD	
Network	1x 1GbE LAN	
Weight	1.25 kg   2.76 lbs	1.4 kg   3 lbs
Chassis	Slim metal chassis, black	
Dimensions	179 W x 183 D x 37 H mm (7.0" W x 7.2" D x 1.5" H)	
Power Supply	External Power Supply with 100-240 VAC, 65W	External Power Supply with 100-240 VAC, 170W
Operating Conditions	Temperature 0-35°C (32-95°F)   Humidity 20-80%	
MTBF	50,000hrs	
Noise Level	Max. 30dB (Depends on system config and room temperature)	
<b>Software</b>		
OS	Windows 10 Enterprise LTSC 64bit	
Management	Optional: TRx Management or VuWall2	
<b>Outputs</b>		
Connections	1x DP including HDMI adaptor	4x mDP including 4x HDMI adaptors
Configuration	1x1 (Optional: 2x2 in Daisy-Chain)	1x1, 2x1, 3x1 or 2x2 (Optional: 4x4 in Daisy-Chain)
Resolution	Up to 4096x2160@60Hz	
<b>Inputs</b>		
HDMI	Optional: HDMI source over VuStream encoder	
Browser	Up to 8x web browser windows (using built-in Chromium engine)	
<b>Decoding</b>		
Host CPU Decoding Capability	12x 1080p30 or 1x UHD30	16x 1080p30 or 4x UHD30
Streaming Standards	Protocols: HTTP, RTSP, RTP, UDP; Distribution: unicast & multicast; Codec: H.265, H.264 (MPEG-4 Part 10 AVC), MPEG-2 Part 2, MJPEG	

# VuScape Series



*VuScape VS120, VS280, VS400, VS640*



*VuScape VS120-2 Rear*



*VuScape VS280-2 Rear*



*VuScape VS400-2 Rear*



*VuScape VS120-3 Rear*



*VuScape VS640-3 Rear*



*VuScape VS60*



*VuScape VS10-1 & VS10-4*



*VuScape VS10-1 Rear*



*VuScape VS10-4 Rear*

\*Images shown here are not proportional. Please consult technical specifications for dimensions.

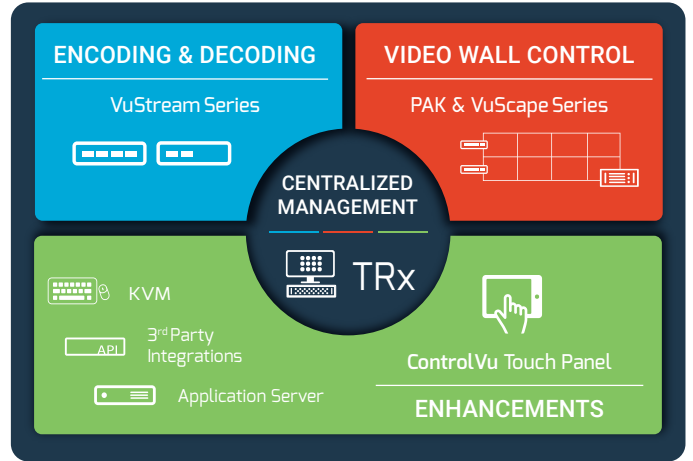


# The VuWall Ecosystem

## Unified Visualization & Video Wall Control

The VuWall ecosystem of interoperable products is built on a unique standards-based architecture that provides the most effective distribution of visual information, from any source to any display or video wall throughout organizations.

At the center of the ecosystem is the TRx Centralized Management Platform. TRx bridges AV, IT and IP systems ensuring interoperability and ease of use, simplifying AV-over-IP deployments, thus reducing deployment time and integration risk.



## Video Wall Management & AV Distribution Made Simple From Any Source to Any Display



**TRx**  
Centralized Management



**PAK**  
Video Wall Nodes



**VuStream**  
Encoders & Decoders



**ControVu**  
Touch Panel



**VuScape**  
Custom Video Wall Controllers



**Enhancements**  
More Interoperable Products

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