

Visualize Mission-Critical Information

Black Box Video Wall Processor

Create massive video walls to improve situational awareness and operator response time in command centers, control rooms, and mission-critical operations centers with the Black Box Video Wall Processor. It's designed for fast switching and 24/7 operations. You will be able to display uncompressed video with almost no latency. Use this chassis-based system to compose walls with 64 screens of any size that you can drag and drop anywhere.



Any Video, Anywhere

Freely position content from any source, anywhere on the video wall. Easily drag, drop, resize, and scale content on the displays in real time.

Scalable

Multiple chassis configurations enable you to create combinations of up to 64 video outputs and 100s of video inputs. Scale up by adding cards, not PCs.

Any Video Format

The system supports a wide range of input cards: DisplayPort, DVI, HDMI, IP, SDI, VGA, H.264, and more.

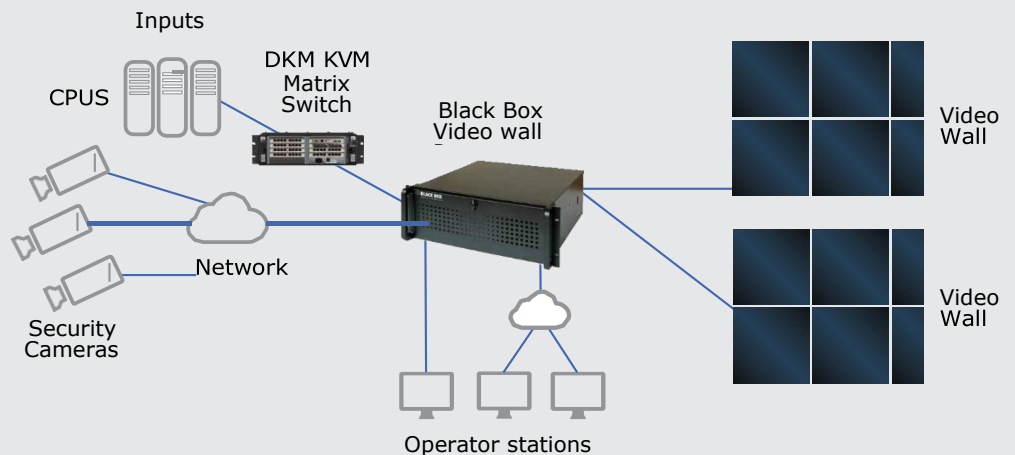
4K UHD Support

Black Box supports 4K and is compatible with ultra High definition displays.

Integrated Solution

Black Box is the perfect hybrid of hardware and software. It is part of a complete solution that includes products, application engineering, and 24/7 support.

Video Wall Configuration



Available Black Box Part Numbers

Select a Standard Black Box Chassis

Part Number	Chassis Name
ST-VWP-200 Series	Video Wall Processor Chassis - Intel Core i7, min 500 Watt PSU, 8 GB DDR4, 2-Slot
ST-VWP-400 Series	Video Wall Processor Chassis - Intel Core i7 , min 600 Watt Single PSU or RPS, 16 Gb RAM, 4-Slot
ST-VWP-700 Series	Video Wall Processor Chassis - Intel Dual Xeon 3 rd Gen , min 800 Watt Redundant PSU, 32 Gb RAM, 7-Slot

Select Cards to Populate the Chassis

Capture Cards

Part Number	Card Name
HD-4-H	Black Box Video Wall Processor Capture Card - HD/HDMI with Splitter Cables, 4-Channel
USB-2K	USB Video wall Capture HDMI Input
HDMI2-2x4K	Video Wall Processor Capture Card - 4K HDMI 2.0, 2-Channel

Graphics Cards

Part Number	Card Name
HDMI-2K-4	Video Wall Graphics Card - 2K, HDMI 2.0, 4-Channel
HDMI2-6	Video Wall Graphics Card - 4K, HDMI 2.0, 6-Channel

Add the Software

Part Number	Software Name
VWS-PRO	Video Wall Software for Windows 10 - Pro
VWS-STD	Video Wall Software for Windows 10 - Standard

ST-VWP VIDEO WALL PROCESSOR CHASSIS SPECIFICATIONS

MOTHERBOARD	
PROCESSOR	Single Intel Core i7 Processor
CLOCK SPEED	3.6 GHz, 8 MB cache;
MEMORY	16 GB / 32 GB available on request;
ETHERNET	(2) Intel Gigabit LAN; All others: Dual 10/100/1000BASE-T
ON-BOARD GRAPHICS	All others: HDMI and DisplayPort for control screen
RS-232	For control
DISK STORAGE	
SSD	240 GB; SSD Upgrade option: 480 GB SSD and RAID01 on request
CONNECTIVITY	
USB	(2) USB 3.1 ports (1 Type A, 1 Type C), (4) USB 3.0 ports, (4) USB 2.0 ports; All others: (2) USB 3.0 (back panel), (4) USB 2.0 (2 front, 2 back,)
OPERATING SYSTEM	
	Windows 10 Pro
BACKPLANE	
FEATURES	3rd generation PCIe switched fabric; 1 slot x 8 - 8GB/s uplink and downlink; 5 slot x 8 - 4GB/s uplink and downlink;
POWER	
POWER SUPPLY	: Min 600 watt ATX; RPS Available as option
ENVIRONMENT	
OPERATING TEMPERATURE	32 to 95° F (0 to 35° C)
STORAGE TEMPERATURE	-4 to +158° F (-20 to +70° C)
RELATIVE HUMIDITY	5 to 90% noncondensing
NOISE	48.6 dB (A) up to 67.9 dB (A), dependent on system config. and ambient temp
PHYSICAL	
DIMENSIONS	6.9" H x 19" W x 19.6" D (17.5 x 48.2 x 50 cm) Dependent on the System Config.
WEIGHT	Product weight: 41.8 to 55 lb. (19 to 25 kg); Shipping weight: 66 to 72.6 lb. (30 to 33 kg)
COMPLIANCE	
STANDARDS	FCC, CE, RoHS, , CCC
VIDEO GRAPHICS CARD (DP-4-H-R2): (4) PORT DISPLAYPORT GRAPHICS CARD WITH HDMI ADAPTERS SPECIFICATIONS	
BOARD FORMAT	PCI Express
CONNECTORS	(4) DisplayPort on card, (4) DisplayPort to HDMI on optional adapters
DIMENSIONS	4.3" H x 6.9" L (11 x 17.7 cm) (including heat sink)
PERFORMANCE	
MAXIMUM OUTPUT RESOLUTION	(4) 2560 x 1600 @ 60 Hz (max. 359 M pixels or (2) 3840 x 2160 @ 30 Hz
MAXIMUM CARDS PER SYSTEM	(4) (16 display channels)
VIDEO CAPTURE CARD : (1) HD CHANNEL	
CONNECTORS	Min PCI Express x8
PERFORMANCE	
HDMI CAPTURE	<ul style="list-style-type: none"> • Supports HDMI 1.3 to 225 MHz (including deep color modes); • Audio streaming source: HDMI audio;