LOOK AT THE BIG PICTURE
RADIAN VIDEO WALL PROCESSOR: MISSION CRITICAL VISUALIZATION

1.877.877.2269 (BBOX) BLACKBOX.COM/RADIAN
Radian™

Video Wall Processor

MISSION-CRITICAL VISUALIZATION

DEFENSE
When you’re behind the scenes in mission-critical command centers, you need maximum visualization, maximum control, and, most of all, maximum uptime. Get it with Radian.

PUBLIC SAFETY
Improve situational awareness, decision-making, and response times in emergency operations centers, 9-1-1 centers, real time crime centers, and more.

INDUSTRIAL
Monitor operations, ensure continued safety, and maintain quality in manufacturing, building and factory automation, oil, gas, and mining; and other industrial environments.
Create massive video walls to improve situational awareness in command centers, control rooms, and mission-critical operations centers with Radian. This highly scalable, multi-window canvas gives you the freedom to compose video walls with windows of any size anywhere on the wall with no screen limitations. You can freely resize windows and drag and drop them in real time. Create video walls from 100s of inputs with up to 64 outputs and display low-latency video, including H.264 or VNC streams. Radian supports 4K and is compatible with any UHD display. It also supports a wide range of video inputs from legacy interfaces to the latest technologies. Plus, several users can manage multiple walls from the same processor simultaneously. You’ll get super reliability too. Radian is designed for fast switching and 24/7 operations with multiple, redundant components. With a full feature set and progressive software, Radian is your best value in high end video wall control.
UNLIMITED WINDOWS
Radian gives you a massive video wall canvas with an unlimited number of windows. You can create windows of the same size or large windows with smaller inset windows.

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. Add expansion chassis as needed to expand.

ANY VIDEO FORMAT
The system supports a wide range of input cards: component, composite, DisplayPort, DVI, HDMI, IP, SDI, VGA, and more.

STREAMING
Decode and display 100s of IP-based video streams H.264 or VNC sources.

ADVANCED CONTROL
Built-in API for external control from media control systems such as ControlBridge.

MIX AND MATCH
You can mix live captures, IP streams, and local media on one video wall. You can also multi-stream a single video input to as many as 16 different windows, each with a different variation.

DRAG AND DROP
Freely position and scale content from any source, anywhere on the video wall, even across the screen bezels. Easily drag, drop, resize, and scale content in real time.

4K UHD SUPPORT
Radian provides true 4K60 input and output via DisplayPort and is compatible with all ultra high-definition (UHD) displays. Each card supports up to four 1080p or two 4K inputs or outputs.

MULTIPLE USERS AND WALLS
Radian gives you a lot of choices. Use it to control multiple video walls. You can also have multiple users control one video wall. In addition you can control video walls in multiple remote sites.

ACCESS CONTROL
You can control access to sources, screen updates, and more. Enterprise management is easy with Active Directory and LDAP.

24/7 RELIABILITY
Radian has reliability built-in for 24/7 operation. With dual power supplies and redundant hard drives, performance is virtually guaranteed. Plus, internal fans keep cards cool.
POSSIBLE CONFIGURATIONS

MULTI-WINDOW
Create, drag, and drop windows anywhere, even across screen bezels.

BIG PICTURE
Display one image across all screens.

ANY SIZE, ANYWHERE
Mix and match windows of different sizes on one video wall.

MULTI-STREAMING
Display one video input different ways across the windows.

MULTIPLE VIDEO WALL APPLICATION

SERVERS

SERVERS

RADIAN VIDEO WALL PROCESSOR

NETWORK

TOUCH PANEL CONTROLLER

OPERATOR STATIONS

SERVERS

VIDEO WALL

VIDEO WALL

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CONTACT BLACK BOX TO HAVE RADIUS CONFIGURED TO MEET YOUR NEEDS

Each Radian Video Wall Processor is configured, and tested to your exact specs. Not sure what you need? Contact one of our tech support experts. We’ll work with you to determine what size components will work best for your application. Call 877-877-2269 or email TECHSUPPORT@BLACKBOX.COM.

CHASSIS
Start with a 4-, 9-, or 11-slot chassis. All incorporate a switched fabric backplane and provide high-bandwidth PCIe slots for use with Radian video input or graphic output cards. All include a single board computer featuring an Intel® i5 or i7 processor and 16GB of RAM. Each comes with redundant high-quality, servergrade hard drives setup with RAID. They also include redundant power supplies. You can populate your chassis with any combination of input and output cards. For expansion, the 9 or 11 slot chassis can be cascaded twice.

VIDEO INPUT CARDS
Choose from a wide range of input cards for any analog or digital video formats from any source—DVRs, security cameras, computers, Blu-ray players, and more.

GRAPHICS OUTPUT CARDS
Each card supports up to four outputs in 1080p or two outputs in 4K. Choose from the standard card with four DisplayPort connectors or cards with DVI or HDMI adapters, depending on your displays.

WALL CONTROL SOFTWARE
Set up, configure, and control your video wall, including position of elements, with this Windows® based program, which can also be used remotely.

MORE INFO AND COMPLETE SPECS AT BLACKBOX.COM