

Catalog 2026

Video Wall Processors

BZBGEAR

Video Wall Processors

BZBGEAR's video wall processors enable you to create impressive large-scale video wall setups. Our video wall processors also offer greater pixel density per unit cost, ensuring that you get a higher quality image compared to traditional large format displays.

BZBGEAR video wall processors cater to a wide range of needs, from essential setups to advanced, feature-rich systems. All our processors support multiple video wall configurations, integrated audio, and user-friendly control options, ensuring a seamless experience for your video projects.

Choose from versatile 2-in-1 and 3-in-1 models that combine video wall processing with matrix switching or even multiview functionality. Plus, select systems can be conveniently controlled via our free mobile app, giving you full control from your personal device.



SCALABILITY



SOFTWARE
CONTROLLABLE



ULTRA-HD



BG-UHD-VW2X2

2X2 4K UHD HDMI VIDEO WALL CONTROLLER WITH AUDIO DE-EMBEDDING

Video walls shouldn't be difficult to create. That's why the BG-UHD-VW2X2 video wall processor requires almost no configuration. All users need to do is plug in their devices, select the layout, and adjust for bezel correction with three simple button presses. If needed, 180° output rotation is an option available for inverted displays to help with bezel obstructions.

4K HIGH INPUT RESOLUTION
Input Up To 4K@60Hz 4:4:4

VIDEO WALL PROCESSOR
Spread a source across multiple displays

AUDIO DE-EMBEDDING
1 x RCA, 1 x TOSLINK



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BG-UHD-VW2X2A

2X2 4K UHD HDMI/USB-C SWITCHER AND VIDEO WALL CONTROLLER WITH AUDIO DE-EMBEDDING

The BG-UHD-VW2x2A 18Gbps 1x4 Video Wall Controller is a versatile and powerful solution for creating stunning video wall displays. Designed to capture, convert, route, and distribute all-format signals to video walls with true digital signal transmission, this controller supports HDMI and USB-C inputs with resolutions up to 4K@60Hz 4:4:4, and provides four HDMI outputs. It supports multiple video wall modes and includes optical audio and L/R analog audio de-embedding outputs.

FLEXIBLE CONTROL OPTIONS
Operate the controller via front panel buttons, an IR remote, and RS-232 commands for ultimate convenience

MULTIPLE VIDEO WALL MODES
Supports 8 video wall splicing modes including 1x1, 2x1, 3x1, 4x1, 1x2, 1x3, 1x4, and 2x2 configurations

AUDIO DE-EMBEDDING
Supports optical audio and L/R analog audio de-embedding outputs for enhanced audio flexibility



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BG-UHD-VW24

4K UHD HDMI VIDEO WALL PROCESSOR/
SWITCHER WITH IP/AUDIO/RS-232
FOR UP TO 4 TVS

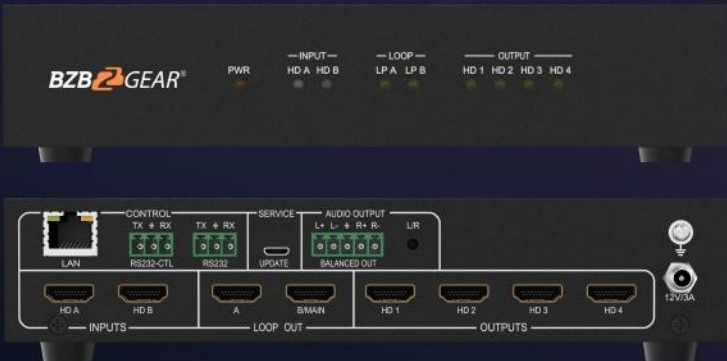
The BG-UHD-VW24 - HDMI 2.0 video wall controller from BZBGEAR, an innovative solution for all your video wall processing needs. This powerful controller features 2 HDMI inputs and 2 HDMI loop outs, as well as 4 HDMI scaling outputs, providing seamless and efficient video processing.

With support for resolutions up to 3840x2160@60Hz, this HDMI 2.0 device ensures stunning video quality and optimal viewing experience.

4K HIGH RESOLUTION INPUTS
Inputs Support Up To 4K@60Hz

MULTIPLE INPUTS
Supports up to two HDMI inputs

CONTROL
Options Include TCP/IP, RS-232, HDMI CEC, and PC Software



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BG-UHD-VWP-1X4

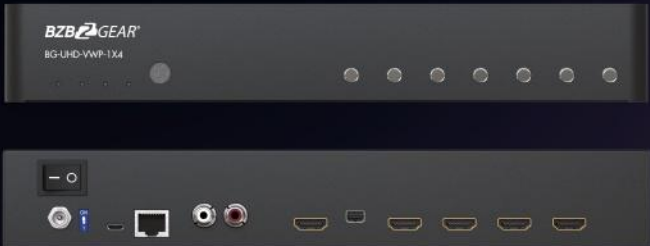
4K UHD HDMI/DISPLAYPORT VIDEO WALL
PROCESSOR WITH SCALER/AUDIO
FOR UP TO 4 TVS

The BG-UHD-VWP-1X4 4K 1x4 Video Wall Processor is a high-quality video processor that is perfect for multiple flat panel displays or projectors. It is designed to support HDMI/DisplayPort signals up to 4K2K@60Hz 4:4:4, providing you with crisp, clear images that are ideal for digital signage, broadcasting, education, and surveillance systems.

4K ACCEPTS HIGH RESOLUTION INPUTS
HDMI And Display Port Inputs Up To 4K2K@60Hz 4:4:4

COMPLIANT PORTS
HDMI 2.0a And DisplayPort 1.2a Inputs

SCALABILITY
Resize, Position, and Zoom Each Individual HDMI Output



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BG-UHD-VWP19

4K UHD ADVANCED MULTI INPUT VIDEO WALL PROCESSOR WITH SEAMLESS SWITCHING/ SCALING/EDID MANAGEMENT FOR UP TO 9 TVs

The BG-UHD-VWP19 is a professional-grade multi-format video wall processor engineered for maximum versatility and performance in large-scale display environments. Designed to handle a broad range of input sources - including HDMI, DisplayPort 1.4, USB-C, VGA, YPbPr, and CVBS - it supports ultra-high-definition video up to 4K2K@60Hz (YUV 4:4:4). With nine HDMI outputs for display configurations and an additional HDMI loop-out, it enables both direct source monitoring and dynamic multi-screen layouts.



MULTI-FORMAT INPUT SUPPORT

Accepts HDMI, DisplayPort, USB-C, VGA, YPbPr, and CVBS signals for flexible source compatibility



3X3 VIDEO WALL SUPPORT

Displays a full 4K60 source across nine displays with independent scaling and positioning per output



ADVANCED IMAGE CONTROL

Resize, zoom, and position functions available on every output for precise display customization



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BG-MVS4X4-CV

4X4 4K UHD HDMI SEAMLESS MATRIX SWITCHER AND VIDEO WALL PROCESSOR WITH SCALER/IR/ AUDIO/RS-232

The BG-MVS4X4-CV is a versatile 4x4 seamless HDMI matrix switcher that doubles as a powerful video wall processor, offering flexible video routing and advanced display configurations. In matrix switcher mode, any of the four HDMI inputs can be routed to any of the four HDMI outputs with zero switching delay or image loss. In video wall mode, the unit can split a single HDMI source across 2 to 4 screens, supporting configurations such as 2x2, 4x1, or 1x4 to create an engaging large-format display.



VERSATILE CONTROL OPTIONS

Manage via front panel buttons, IR remote, or RS-232 commands



VIDEO WALL MODE

Supports configurations such as 2x2, 4x1, 1x4, and more



AUDIO FORMAT SUPPORT

Compatible with LPCM, Dolby Digital (DD), Dolby Digital Plus (DD+), and DTS



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BG-MVS4X4-4KL

4X4 4K UHD HDMI VIDEO WALL PROCESSOR/
SEAMLESS MATRIX SWITCHER

The BG-MVS4X4-4KL 4K60 4:4:4 HDMI matrix is a versatile high-speed matrix switcher and video wall processor with multiple applications. This system can be configured for two different output modes, serving as a 4x4 seamless matrix switcher or as a 2x2, 4x1, or 1x4 video wall solution, among other possibilities.

Additionally, it is equipped with a web browser interface module for convenient control and configuration when used either as a standalone device or in conjunction with a third-party control system.



COMPLIANT
HDMI 2.0b, HDCP 2.2 and HDCP 1.4



2 OPERATIONAL MODES
4x4 Matrix (seamless switch), Video wall (2x2, 4x1 or 1x4 etc configuration)



AUDIO FORMATS
Support LPCM, DD, DD+, DTS, Dolby TrueHD, DTS HD-master pass-through



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BG-UHD-VW29

4K UHD HDMI VIDEO WALL PROCESSOR/
SWITCHER WITH IP/AUDIO/RS-232
FOR UP TO 9 TVs

The BG-UHD-VW29 - HDMI 2.0 video wall controller from BZBGEAR, an innovative solution for all your video wall processing needs. This powerful controller features 2 HDMI inputs and 2 HDMI loop outs, as well as 9 HDMI scaling outputs, providing seamless and efficient video processing.

With support for resolutions up to 3840x2160@60Hz, this HDMI 2.0 device ensures stunning video quality and optimal viewing experience.



HIGH RESOLUTION INPUTS
Inputs Support Up To 4K@60Hz



MULTIPLE INPUTS
Supports up to two HDMI inputs



CONTROL
Options Include TCP/IP, RS-232, HDMI CEC, and PC Software



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BZ-MVS4X4-4K

**4X4 4K UHD HDMI VIDEO WALL PROCESSOR/
SEAMLESS MATRIX SWITCHER WITH SCALER/IR/
AUDIO/RS-232**

The BZBGEAR BZ-MVS4X4-4K is a matrix video wall controller that seamlessly switches signals from any of the four HDMI sources to any of the four connected HDMI displays. The four outputs can be configured to create a variety of video wall displays such as a 2x2, 1x4, 1x2, 2x1, and 4x1 video wall. Ideal for integrators, professional broadcasters, restaurant owners, and home theater enthusiasts seeking to create high-end video walls, or control multiple video sources and displays with one device.



COMPLIANT

HDMI 2.0b, HDCP 2.2 and HDCP 1.4



2 OPERATIONAL MODES

4x4 Matrix (seamless switch), Video wall (2x2, 4x1 or 1x4 etc configuration)



AUDIO FORMATS

Support LPCM, DD, DD+, DTS, Dolby TrueHD, DTS HD-master pass-through



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BZBGEAR Seamless Matrix, Video Wall and Mutiview

Seamless Matrix, Video Wall, and Multiview solutions combine all three powerful functions into a single, integrated device offering unmatched flexibility for professional AV environments. These systems are designed to simplify complex signal routing, multi-display setups, and source monitoring, making them ideal for control rooms, live event production, corporate AV, and digital signage.

Each unit seamlessly switches between multiple HDMI sources, processes video walls with customizable layouts, and supports multiview configurations allowing multiple video feeds to appear on a single screen.

Supporting resolutions up to 4K@60Hz, these all-in-one processors feature built-in scalers, audio embedding/de-embedding, IR control, IP and RS-232 connectivity, and more. This integration reduces hardware complexity and boosts system reliability, saving space and simplifying installation.



BG-4K-VP44

4X4 4K UHD SEAMLESS HDMI MATRIX SWITCHER/
VIDEO WALL PROCESSOR/MULTIVIEWER WITH
SCALER/IR/AUDIO/IP AND RS-232

The BG-4K-VP44 is a powerful video processor and supports four HDMI inputs that can be independently routed to HDMI Outputs. This unit supports Video Wall configurations of up to 7 different modes with each monitor.



4X4 MATRIXING

4x HDMI Inputs that can be independently routed to 4 HDMI Outputs



VIDEO WALL

Supports Video Wall up to 7 different modes with each monitor



MULTIVIEW CAPABILITIES

It can display 4 pictures on the same screen and has multiple split display modes



PROCESSING AND DISTRIBUTION
TECHNOLOGY OF THE YEAR - AV
AWARDS 2023 FINALISTS



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BG-4K-VP88

8X8 4K UHD SEAMLESS HDMI MATRIX SWITCHER/
VIDEO WALL PROCESSOR/MULTIVIEWER WITH
SCALER/IR/AUDIO/IP AND RS-232

The BG-4K-VP88 supports eight HDMI inputs that can be independently routed to HDMI Outputs. The BG-4K-VP88 supports video wall configurations of up to 7 different modes with each monitor. It can also display eight pictures on the same screen and has multiple split display modes.



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SVC BEST OF SHOW
INFOCOMM WINNERS 2023



8X8 MATRIXING

8x HDMI Inputs that can be independently routed to 8 HDMI Outputs



VIDEO WALL

Supports Video Wall up to 7 different modes with each monitor



4K@60HZ

Supports resolution up to 4K@60Hz 4:4:4

BG-4K-VP1616

16X16 4K UHD SEAMLESS HDMI MATRIX SWITCHER/
VIDEO WALL PROCESSOR/MULTIVIEWER WITH
SCALER/IR/AUDIO/IP/RS-232

The BG-4K-VP1616 supports sixteen HDMI inputs that can be independently routed to HDMI Outputs. The BG-4K-VP1616 supports video wall configurations of up to 7 different modes with each monitor. It can also display sixteen pictures on the same screen and has multiple split display modes.



16X16 MATRIXING

16x HDMI Inputs that can be independently routed to 16 HDMI Outputs



VIDEO WALL

Supports Video Wall up to 7 different modes with each monitor



4K@60HZ

Supports resolution up to 4K@60Hz 4:4:4



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BZBGEAR Long Range Seamless Matrix, Video Wall and Multiview

Long Range Seamless Matrix, Video Wall, and Multiview systems are advanced all-in-one AV solutions that combine seamless switching, video wall processing, and multiview functionality - now with extended transmission capabilities over CAT5e/6/7 cables.

Designed for large-scale environments, these devices are ideal for enterprise AV systems, command centers, educational campuses, and any application requiring long-distance signal distribution with uncompromised quality. These powerful processors enable instant, uninterrupted switching between multiple HDMI sources, while also supporting video wall configurations with flexible screen layouts and real-time multiview monitoring — all from a single chassis.

Whether you're deploying a wide-reaching video wall or need centralized control across multiple distant displays, these long-range systems provide a unified, high-performance solution.



BG-4K-VP44PRO

**4X4 4K UHD SEAMLESS HDMI MATRIX SWITCHER/
VIDEO WALL PROCESSOR/MULTIVIEWER OVER
CAT5E/6/7 KIT WITH 4 RECEIVERS**

Introducing the BG-4K-VP44PRO: Your Ultimate 4x4 HDMI 2.0 CAT5/6/7 Seamless Matrix. Experience the next level of video distribution with the BG-4K-VP44PRO, a versatile all-in-one solution that's redefining the audiovisual landscape.



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SIGNAL EXTENSION

Extent your HDMI signals up to 70m (229ft) over CAT5



AUDIO MATRIXING

Analog audio embedded & extraction - the audio can be independently routed



MULTIVIEW MODE

Display 4 different sources on the same screen



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SCN 2025 - PRO AV BEST
IN MARKET WINNER

BG-4K-VP99PRO

**9X9 4K UHD SEAMLESS HDMI MATRIX SWITCHER/
VIDEO WALL PROCESSOR/MULTIVIEWER OVER
CAT5E/6/7 KIT WITH 9 RECEIVERS**

The BG-4K-VP99PRO is a highly versatile HDMI matrix switcher/video wall processor/ multiviewer, perfect for professional AV installations. Offering exceptional connectivity with 9 HDMI inputs, outputs, and loopouts, it extends HDMI signals up to 70 meters over CAT5.



SIGNAL EXTENSION

Extent your HDMI outputs up to 70m (230ft) over category cable



AUDIO ROUTING

External audio embedding and de-embedding audio from the outputs.
Independent audio matrixing



MULTIVIEW MODE

Display up to 9 sources on one screen or make custom layouts

BZBGEAR Video Wall Processors & Switchers

BZBGEAR Modular Video Walls and Switchers deliver exceptional flexibility for modern pro-AV environments. Built on a modular card architecture, these systems support pluggable HDMI, SDI, HDBaseT, fiber, and other I/O modules—allowing you to tailor each installation to your exact requirements. Their scalable design can range from 8×8 to 36×36 and beyond, making them ideal for everything from corporate boardrooms to higher-education campuses, broadcast studios, and large-scale command centers. By mixing and matching the precise I/O you need, you gain the freedom to design systems that evolve alongside the demands of your workflow.

Control is equally versatile, with management available through front-panel controls, IR, RS-232, software, or an intuitive Web GUI. This makes configuration, monitoring, and real-time adjustments straightforward for both technicians and end users. From streamlined system setup to ongoing daily operation, BZBGEAR Modular Video Walls and Switchers reduce complexity while empowering fully customized AV experiences. Start building your ideal system today with BZBGEAR.



BG-MC-SERIES

8X8/16X16/36X36/80X80 MODULAR AND FULLY CONFIGURABLE SEAMLESS 4K60 MATRIX SWITCHER WITH VIDEO WALL AND INCLUDED CONTROL SYSTEM



TOP NEW TECHNOLOGY
(TNT) AWARDS 2026 - ISE

The BG-MC-SERIES Modular Seamless Switching Matrix is a professional-grade AV solution engineered for demanding signal management environments. Supporting up to 8-36 inputs and outputs, it delivers powerful, real-time switching, distribution, and control with zero latency or signal degradation. Designed for mission-critical installations, this all-in-one system integrates a high-performance video wall processor, seamless switching technology, and intelligent control capabilities. Whether deployed in control rooms, broadcasting studios, corporate AV systems, or large-scale video walls, the BG-MC-SERIES ensures pristine 4K60 (4:4:4) image quality and uncompromised reliability across every connected display.

With its modular, pluggable architecture, the BG-MC-SERIES provides unmatched scalability and flexibility. Input and output modules are available for HDMI, DVI-U, VGA, SDI, HDBaseT, and fiber interfaces-each offering four channels per card.



SEAMLESS 4K SWITCHING
Zero-latency transitions between sources with no tearing or black screens



ULTRA-LOW LATENCY GEN-LOCK
Synchronizes outputs for precise video wall splicing



MODULAR CARD ARCHITECTURE
Pluggable input/output modules for HDMI, SDI, HDBaseT, fiber, and more



INTEGRATED VIDEO WALL PROCESSOR
Supports advanced multi-screen layouts with perfect synchronization



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BG-MV-8080M



BG-MC-88M



BG-MC-1616M



BG-MC-3636M



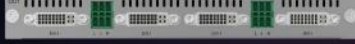
BG-MC-OUT-HDBT70-4K



BG-MC-OUT-VGA-2K



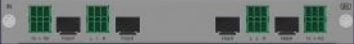
BG-MC-OUT-DVIU-2K



BG-MC-CONTROL



BG-MC-IN-FIBER-4K



BG-MC-IN-HDMI-4K



BG-MC-IN-HDBT150-4K



BG-MC-IN-SDI-4K



BG-MC-OUT-HDBT100-4K





BZBGear AWARDS

BZBGear takes pride in its portfolio of award-winning products, recognized at numerous prestigious trade show events. These accolades reflect the innovation, quality, and performance that define our solutions. Explore what sets our award-winning products apart and discover why professionals worldwide trust BZBGear for their AV and broadcasting needs!



TOP NEW TECHNOLOGY
(TNT) AWARDS 2026 – ISE
WINNER OF 3 TNT AWARDS



BEST OF SHOW AWARDS
2026 – ISE



PRO AV BEST IN MARKET
AWARDS 2025



BEST OF SHOW AWARDS
AT IBC 2025



BEST OF SHOW AWARDS
AT IBC 2025



CE PRO BEST PRODUCT
AWARD 2025



BEST OF SHOW AWARDS
AT CEDIA 2025



BEST OF SHOW AWARDS
AT CEDIA 2025



BEST OF SHOW AWARDS
AT INFOCOMM 2025



COMMERCIAL
INTEGRATOR BEST
AWARDS 2025



2025 SCN STELLAR
SERVICE AWARDS



TOP NEW TECHNOLOGY
(TNT) AWARD 2025



BEST OF SHOW
AT ISE 2025



SVC INNOVATIVE
PRODUCTS: READERS'
CHOICE 2024



MEDIA & ENTERTAINMENT:
BEST IN MARKET 2024
AWARDS



PRO AV BEST IN MARKET
AWARDS 2024

See more BZBGear Awards at bzbgear.com/awards



ABOUT BZBGEAR

Founded in 2019 and headquartered in Sacramento, California, BZBGEAR® has quickly emerged as a global leader and one-stop manufacturer of professional AV and broadcasting solutions. Dedicated to delivering excellence, BZBGEAR focuses on combining innovative design, exceptional user experience, and unparalleled lifetime product support.

OUR PRODUCTS

Each solution is meticulously crafted by a team of expert hardware and software engineers to ensure superior quality and cutting-edge functionality. Recognized for its award-winning products and industry-leading support, BZBGEAR has become the go-to choice for AV and broadcast applications, trusted by professionals worldwide.

WHAT BZBGEAR HAS TO OFFER

BZBGEAR delivers comprehensive professional AV and broadcasting solutions, including live streaming and video production products. Our mission extends beyond providing exceptional gear—we pride ourselves on unparalleled customer service and reliable seven-days-a-week technical support. Our team is celebrated for delivering outstanding assistance and ensuring customer satisfaction at every step.

At BZBGEAR, we prioritize our customers' needs and concerns, offering the highest level of professional support. By fostering relationships built on integrity and trust, we approach every interaction with honesty and fairness, always striving to place ourselves in our clients' shoes.

Our vision is to make cutting-edge AV technology accessible to everyone at a fair price. Because everyone deserves to see, hear, and experience the remarkable advancements of today's AV world

LIMITED PRODUCT WARRANTY TERMS

Pro Line: 5-year warranty from the date of purchase for AV/Broadcasting products bought on or after August 1, 2024.

Essential Line: 3-year warranty from the date of purchase for AV/Broadcasting products bought on or after August 1, 2024.

Cables: Lifetime Limited Product Warranty.

For complete warranty information, please visit bzbgear.com/warranty.

For questions, please call 1.888.499.9906 or email support@bzbgear.com.

BZBGEAR WARRANTY

Pro Line Product

5-YEAR WARRANTY

Essential Line Product

3-YEAR WARRANTY

Cables Product

LIFETIME WARRANTY

Learn more about BZBGEAR at bzbgear.com/company



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