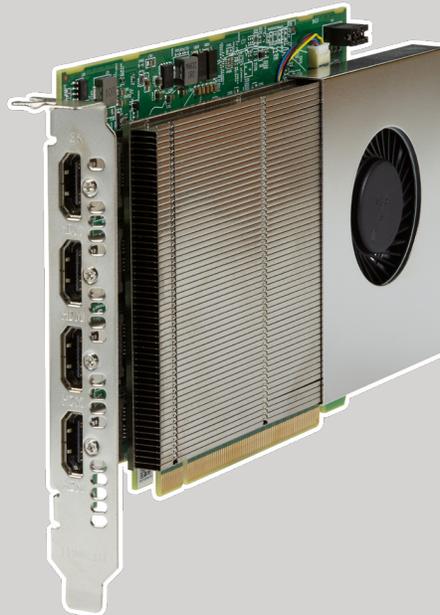# RADIAN VIDEO WALL GRAPHICS CARD HDMI 2.0, 4-CHANNEL

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BLACK BOX®

OVERVIEW

RADIAN VIDEO WALL GRAPHICS CARD - 2K/4K, HDMI 2.0, 4-CHANNEL

INTRODUCTION

Because it integrates with a graphical setup wizard, the video graphics card is easy to configure for different combinations of monitors, projectors, or LED controllers. Select output resolution, rotation, and wall layout using the intuitive graphical interface in minutes.

VGC-HDMI-2K-4 is designed for multi-screen and video wall installations. This powerful video wall graphics card enables scalable solutions and sends 2K60 content over four HDMI 2.0 outputs.

VCC-HDMI2-4 is designed for professional, multi-screen and video wall installations, It enables scalable solutions that deliver full 4K60 4:4:4 content over four HDMI 2.0 outputs.

For video wall applications, each 2K output from VGC-HDMI-2K-4 or 4K output from VGC-HDMI2 drives four HD outputs using screen loop-through (if supported by the screens) or a multi-display controller. This delivers up to 16 HD outputs from a single graphics card, providing a basic, cost-saving overall solution.

VGC-HDMI-2K-4 FEATURES

- Supports 4 connections at 2560 x 1600 at 60 Hz
- Displays high-performance 2D and 3D graphics
- Handles HDCP 2.2 when using capture cards
- Supports up to 8 cards in a single system
- Fully compatible with Display Driver Configuration Tool (DDCT) and Diagnostic Suite
- Compatible with Windows® 10 and Windows Server 2019

VGC-HDMI2-4 FEATURES

- Supports 4 HDMI 2.0 outputs at 3840 x 2160 @ 60 Hz
- Enables full 4K60 graphics and display in VSN controllers
- Handles HDCP 2.2 when using capture cards
- Supports up to 6 cards in a single system with a total output of 199 Megapixels
- Fully compatible with Display Driver Configuration Tool (DDCT) and Diagnostic Suite
- Compatible with Windows® 10 and Windows Server 2019

IMPORTANT NOTES

- These graphics cards can only be used in systems with PCI Express spread spectrum clock (SSC) disabled and are not compatible with other Black Box graphics cards.
- Use premium HDMI certified cables to ensure maximum performance. For VGC-HDMI2-4, the cable connector width must be less than 20.5mm.
- All products are shipped with the latest software, unless stated otherwise.

SPECIFICATIONS

RADIAN VIDEO WALL GRAPHICS CARD - 2K/4K, HDMI 2.0, 4-CHANNEL

VGC-HDMI-2K-4

VGC-HDMI2-4

WHAT'S INCLUDED

RADIAN VIDEO WALL GRAPHICS CARD - 2K/4K, HDMI 2.0, 4-CHANNEL

- (1) Radian video wall graphics card (2K or 4K, depending upon model)

SPECIFICATIONS

RADIAN VIDEO WALL GRAPHICS CARD - 2K/4K, HDMI 2.0, 4-CHANNEL

RADIAN VIDEO WALL GRAPHICS CARD — 2K/4K, HDMI 2.0, 4-CHANNEL COMPARISON CHART		
FEATURE	VGC-HDMI-2K-4	VGC-HDMI2-4
CARD FORMAT	PCI Express x16 Mechanical, x8 Electrical (Gen. 3)	
CARD SIZE	110mm x 177mm (incl heat sink)	
MAX EFFECTIVE TRANSFER RATE	5.5 GB/s sustained from these capture cards	
MAXIMUM COLOR DEPTH	8-bit per component	
MAX CARDS PER SYSTEM	8 cards providing up to 32 HD channels	6 (24 display channels)
GRAPHIC CARD MEMORY	8GB	
MAX CURRENT AT +3.3V	0.6A	
MAX CURRENT AT +12V	4A	
MAX THERMAL POWER	50W	
OPERATINGTEMPERATURE	32 to 96˚F (0 to 35˚C)	
STORAGE TEMPERATURE	-4 to +158˚F (-20 to +70˚C)	
RELATIVE HUMIDITY	5 to 90% non-condensing	
MTBF	Over 80,000 hours	
HDCP SUPPORT	2.2	
MAX OUTPUT RESOLUTION	2560 x 1600 @ 60 Hz	3840 x 2160 at 60Hz (max 594 MP/s) per channel

ORDERING INFORMATION

RADIAN VIDEO WALL GRAPHICS CARD - 2K/4K, HDMI 2.0, 4-CHANNEL

ITEM	CODE
Radian Video Wall Graphics Card - 2K, HDMI 2.0, 4-Channel	VGC-HDMI-2K-4
Radian Video Wall Graphics Card - 4K, HDMI 2.0, 4-Channel	VGC-HDMI2-4

DISCLAIMERS

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Black Box® is a trusted IT solutions provider delivering cutting-edge technology products and world-class consulting services to businesses across the globe in every industry. The breadth of our global reach and depth of our expertise accelerate customer success by bringing people, ideas, and technology together to solve real-world business problems.

NOTES

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