

Image2K

Four channel PCIe graphics card
with four direct HDMI outputs



SEAMLESS MIXING 4K AND HD OUTPUTS

Designed to power multi-screen, video wall and LED installations, the Image2K enable seamless mixing of 4K and HD outputs, all at 60 frames per second over direct HDMI outputs.

Fully integrated with Datapath's graphical setup wizard, the Image2K is easy to configure for different combinations of monitors, projectors, or LED controllers. Output resolution, rotation and wall layout are all easily configured using the intuitive graphical interface in a matter of minutes.

With outputs synchronized across all cards, multiple video walls and single screen displays can be powered from a single system, making the Image2K ideal for security suites, corporate office displays, retail signage or multi-video wall applications. Systems built using Datapath's VSN or iolite 600 chassis can use up to 8 Image2K cards, giving a total of 32 HD outputs, 16 4K outputs, or a mixture of the two.

FEATURES

- Four HDMI outputs capable of 2560 x 1600 at 60Hz
- Option to configure as two 4K (3840 x 2160 at 60Hz) outputs, or one 4K and three HD outputs.
- Supports mixing of HD and 4K outputs, all at 60fps
- HDCP 2.2 support
- Support for up to 8 cards in a single system

Engineering the **world's best** visual solutions


DATAPATH
EXCELLENCE BY DESIGN

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SOFTWARE

Drivers

Datapath's multi-screen display driver is engineered specifically for use with Windows 10 & Windows Server 2019. The display driver unifies multiple Image2K cards to present a single desktop canvas to the Windows operating system, allowing each video wall to display hundreds of output windows with full support for picture-in-picture and overlaps. The multi-screen driver supports a maximum of 32 outputs for the Image2K (eight cards).

Display Driver Configuration Tool

Our unique graphical setup tool allows users to easily configure multiple outputs to create complex video wall layouts in a matter of minutes. The tool guides users through the setup process using a simple step-by-step wizard, enabling screen dimensions, resolution and position to be configured with ease. The built-in database of monitors contains hundreds of models from various manufacturers, allowing supported resolutions and bezel measurements to be easily configured for each monitor.

Control Software

The Image2K is fully compatible with Datapath's WallControl 10 software, which provides users with the interface required to quickly and effectively manage content that can include video captures, IP streams and local applications. Users are able to place any input source on any part of the video wall using a simple drag and drop interface. Precise positioning of each piece of content can be achieved through the mouse and keyboard, or via the revolutionary template tool.

COMPATIBILITY

Windows 10 LTSC and Windows Server 2019 operating systems.

MODELS AVAILABLE

Order Code: Image2K
4 channel HDMI PCIe graphics card.

SPECIFICATION

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 Datapath Vision capture cards

MAX COLOUR DEPTH

8-bit per component

MAX CARDS PER SYSTEM

8 cards providing up to 32 HD channels

GRAPHIC CARD MEMORY

2GB

HDCP SUPPORT

2.2

MAX CURRENT AT +3.3V

0.6A

MAX CURRENT AT +12V

4.0A

MAX THERMAL POWER

35W

OPERATING TEMPERATURE

0 °C to 35 °C / 32 °F to 96 °F

STORAGE TEMPERATURE

-20 °C to 70 °C / -4 °F to 158 °F

RELATIVE HUMIDITY

5% to 90% non-condensing

MTBF

Over 80,000 hours

The Image2K can only be used in systems with PCI Express spread spectrum clock (SSC) disabled and is not compatible with other Datapath graphics cards.

All Image2K outputs should use premium HDMI certified cables to ensure maximum performance.

All products are shipped with the latest software, unless stated otherwise. Special requirements may be organised by contacting our Sales team.

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