Procesador

CSI APOLO

TOUCH REMOTE 8/4R

CSI Cosmos Sistemas Integrados
Instalando la Tecnología del Futuro

La serie de procesadores Apolo Touch Remote constituyen el Sistema de Procesamiento con la más avanzada tecnología requerida por la industria de los Centros de Operaciones, Control y Monitoreo a nivel mundial.

Sobre una plataforma Windows 10 de 64 bits se implementa un Sistema de Procesamiento con tecnología Drag & Drop, robusto y estable para las exigencias de un Centro de Comando y Control en los diferentes campos que incluyen operaciones tácticas, CCTV, Seguimiento Satelital, Análisis de Procesos en Red, Monitoreo de Procesos Programables, entre otros.

Sus características físicas de redundancia en Discos Duros SSD RAID 1, su sistema de refrigeración por aire de alto desempeño, su capacidad en RAM expandible, su Fuente de Poder Redundante y su Software de Gestión licenciado a perpetuidad, interfaz intuitiva en castellano y tipo Colaborativo Cliente / Servidor permiten que cualquier contenido digital procesado o capturado por el Procesador Apolo Touch Remote se represente en tiempo real sobre el área de las pantallas con resoluciones individuales FHD.

Con características de operación indispensables para la Gestión y Operación 24/7 se posiciona en el mercado como un Procesador Integral que permite, sin importar la cantidad o el tamaño de las pantallas, ubicar cualquier fuente o señal digital capturada al tamaño deseado por el operador, en cualquier lugar o incluso a full pantalla, gracias a que este Procesador realiza la suma de resoluciones de las pantallas, a la vez que memoriza N escenarios posibles en donde el usuario puede crear entornos que mejoran el desempeño de la operación y programación por horario.

Sus adaptadores de red permiten realizar captura de equipos de cómputo que estén conectados a la red ya sea en S.O. base como Windows o incluso en otras plataformas con Mac, Linux, entre otros.

El sistema también recibe y ejecuta órdenes desde dispositivos móviles como tabletas o smartphones, lo que agiliza y facilita los ajustes desde cualquier lugar. Lo más novedoso es que la imagen completa del Video Wall se podrá reproducir en una segunda pantalla de gran tamaño instalada en otro sitio para lograr obtener una réplica total de la configuración del Video Wall del Centro de Control o Monitoreo.

Procesador
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TOUCH REMOTE 8/4R

ESPECIFICACIONES TÉCNICAS

NOMBRE	APOLO TOUCH REMOTE 8/4R
PROCESADOR	INTEL XEON
SISTEMA OPERATIVO	Windows 10 - 64 bits
MEMORIA (RAM)	16 GB DDRA
SOFTWARE DE GESTION	Colaborativo SERVER/CLIENTE/CLIENTE LIGERO
DISCO DURO	2 X 500 GB SSD RAID 1
ETHERNET	2 RJ45 (10/100/1000)
PUERTOS USB	FRONTAL: 2 x USB 2,0 POSTERIOR: 2 x USB 2,0 / 3 x USB 3,1
SALIDAS	8 SALIDAS DISPLAY PORT
ENTRADAS	4 ENTRADAS HDMI
PERIFERICOS DE CONTROL	MOUSE Y TECLADO INALAMBRICO POR RF, TABLET TIPO IPAD POR WIFI, PANTALLA LCD
FUENTE DE PODER	REDUNDANTE 800W
CONSUMO MAXIMO	300 W
SISTEMA DE VENTILACION	POR AIRE
TIPO DE MONTAJE	RACK 19"
DIMENSIONES	Alto 18 cm x Ancho 45 cm x Profundidad 69 cm

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Cosmos Sistemas Integrados

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

Four channel PCIe graphics card with four direct HDMI outputs

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)	**GRAPHIC CARD MEMORY** 2GB	**OPERATING TEMPERATURE** 0 ℃ to 35 ℃ / 32 °F to 96 °F
CARD SIZE 110mm x 177mm (incl heat sink)	**HDCP SUPPORT** 2.2	**STORAGE TEMPERATURE** -20 ℃ to 70 ℃ / -4 °F to 158 °F
MAX EFFECTIVE TRANSFER RATE 5.5 GB/s sustained from Datapath Vision capture cards	**MAX CURRENT AT +3.3V** 0.6A	**RELATIVE HUMIDITY** 5% to 90% non-condensing
MAX COLOUR DEPTH 8-bit per component	**MAX CURRENT AT +12V** 4.0A	**MTBF** Over 80,000 hours
MAX CARDS PER SYSTEM 8 cards providing up to 32 HD channels	**MAX THERMAL POWER** 35W	

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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DATAPATH
EXCELLENCE BY DESIGN

VisionSC-HD4+

Professional audio and video capture card

HIGH PERFORMANCE CARD

A wide range of applications demand multiple channels of video capture from a single card. Markets include advanced medical, defence and security applications. Suitable for these markets and others, Datapath's VisionSC-HD4+ audio video capture card provides an outstanding, powerful solution for multiple HDMI or DVI video capture with support for HDCP*.

QUAD HDMI VIDEO CAPTURE

The VisionSC-HD4+ has four onboard HDMI 1.4 video capture channels; two channels supporting 3840 x 2160 at 60fps and two channels offering support for 1920 x1080 at 60fps. All four channels are capable of operating independently of each other, enabling four separate 4 video sources to be captured and controlled simultaneously. The card also has embedded audio support across all four channels. The VisionSC-HD4+ is shipped with adapter cables for either HDMI or DVI.

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

DATAPATH
EXCELLENCE BY DESIGN

Advanced graphics display

VISION PERFORMANCE FEATURES

The VisionSC-HD4+ is supplied with the Datapath Vision Performance Driver. Combining both Hardware and Software enhancements the Vision Performance Driver provides users with a variety of features to help them achieve their goals.

Features include LiveStream:Capture, low latency capture solution, MultiStream allowing for the independent control of multiple instances of a single capture, a hardware based time stamping facility, automatic signal detection and more.

VIDEO STREAMING

For streaming applications, the VisionSC-HD4+ can be used with Windows Media Encoder to compress and stream captured video. To replay the video, use Windows® Media Player.

Any application compatible with Windows® DirectShow technology can use the VisionSC-HDMI4 due to it built-in WDM support.

COMPATIBILITY

The VisionSC-HD4+ is supported by the following operating systems: Linux, Windows® XP, Windows Vista, Windows Server 2003, Windows Server 2008, Windows 7, Windows 8/8.1 and Windows 10.

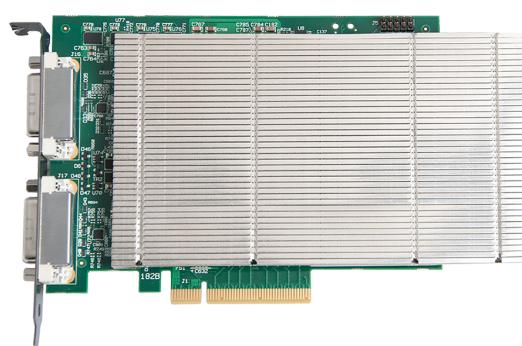Datapath SDK is included for software developers.

MODELS AVAILABLE

Order Code: VisionSC-HD4+/H
Capture card with 2 x HDMI splitter cables

Order Code: VisionSC-HD4+/D
Capture card with 2 x DVI splitter cables

SPECIFICATION

BOARD FORMAT
PCIe x8 plug-in card

DIMENSIONS
110mm x 177mm (inc. heat sink)

CONNECTORS ADAPTERS
2 x DMS-59 connectors plus
(see below for options)

UPDATE RATE
Channels 1 & 3 - 297 MP/s
Channels 2 & 4 - 165 MP/s

MAX CAPTURE RESOLUTION
Channels 1 & 3 2 x 3840 x 2160p at 60Hz
Channels 2 & 4 2 x 1920 x 1080p at 60Hz

FRAME BUFFER
768MB

PIXEL TRANSFER FORMATS
RGB: 5-5-5, 5-6-5 or 8-8-8 (24bit/32bit) YUV: 4:2:2
MONO: 8bit

VIDEO MODES
HDMI 1.4, HDMI 1.3, DVI

POWER REQUIREMENTS
Max current at +3.3 - 0.45A. Max current at +12V - 0.85A Max power ≈ 18W

OPERATING TEMPERATURE
0 ℃ to 35 ℃ / 32 ℉ to 96 ℉

STORAGE TEMPERATURE
-20 ℃ to 70 ℃ / -4 ℉ to 158 ℉

RELATIVE HUMIDITY
5% to 90% non-condensing

WARRANTY
3 years

HDCP support requires the use of a Datapath Graphics Card.

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

DATAPATH
EXCELLENCE BY DESIGN