

# VSN870-RPSU VSN870-ATX

## Quick Start Guide



# Safety Instructions

## Safety Instructions (UK)

To prevent damage to your Datapath product or injury to personnel operating the equipment, please read the following safety precautions prior to operation. These instructions should be made available to all those who will use and operate Datapath products.

### Power Supply

All Datapath products require a mains power supply. This power supply must be disconnected when equipment is being upgraded or relocated.

### Cables

Do not expose cables to any liquids, doing so may cause a short circuit which could damage the equipment. Do not place heavy objects on top of any cables as this can cause damage and possibly lead to exposed live wires.

### Ventilation

All computer equipment should be located in a well ventilated area. All ventilation holes on the computer casing must be kept clear of any obstruction at all times. Failure to do so will result in the system over heating and damaging your equipment.

### Working Environment

The equipment should be located in an environment free from dust, moisture and extreme changes in temperature and should be placed on a stable and solid work surface. Liquids (hot/cold drinks etc) should not be placed near the equipment as spillage could cause serious damage.

### Gas/Flammable Liquids

Electronic equipment should never be used in the presence of gas or any flammable liquid, doing so could result in an explosion or serious fire.

### Smoke/Unusual Smells

Should you notice smoke or unusual smells being emitted from your computer, turn off and unplug the system from the mains supply. The system should then be passed to a qualified technician for inspection. Continued operation could result in personal injury and damage to property.

### Maintenance

Maintenance should only be carried out by competent technicians, any Datapath plug-in cards that are physically damaged should be returned to Datapath for repair using Datapath RMA procedures.

### Disposal

At the end of life all Datapath products should be disposed of as per local laws and regulations dictate. In UK contact Datapath to arrange disposal. Our WEE registration number is WEEE/AA0005ZR.

### Rack Mount Safety Instructions

#### Temperature

If VSN870 systems are to be installed in a closed or multi-unit rack assembly, the installation should be such that the amount of air flow required for safe operation of the equipment is not compromised. The operating ambient temperature of the rack environment should be maintained below 35 degrees centigrade under all conditions. Appropriate cooling arrangements should be built into the cabinet to ensure that this specification is maintained.

#### Mechanical Loading

Mounting of the equipment in the rack should be such that a hazardous condition is not achieved due to uneven mechanical loading.

#### Circuit Overloading

Consideration should be given to the connection of the equipment to the mains supply circuit and the effect that overloading of the supply might have on any overcurrent protection or supply wiring. Appropriate consideration of equipment nameplate ratings should be used when addressing this concern.

#### Reliable Earthing

Reliable earthing of all rack-mounted equipment should be maintained. Particular attention should be given to supply connections other than direct connections to the branch circuit (e.g. use of power strips).

#### Replaceable Batteries

Caution: Risk of Explosion if Battery is replaced by an Incorrect Type.

Dispose of Used Batteries According to the local laws / regulations and manufacturer's instructions.

## Consignes de sécurité (Fr)

Afin de ne pas endommager votre produit Datapath et d'éviter tout risque de blessure du personnel exploitant le matériel, veuillez lire les consignes de sécurité suivantes avant toute utilisation. Ces instructions doivent être mises à disposition de toute personne souhaitant utiliser et exploiter les produits Datapath.

### Alimentation électrique

Tous les produits Datapath requièrent une alimentation électrique principale. Cette alimentation électrique doit être interrompue en cas de mise à jour ou de relocalisation du matériel.

### Câbles

Ne pas exposer les câbles à un liquide quelconque car cela pourrait provoquer un court-circuit susceptible d'endommager le matériel.

Ne pas placer d'objets lourds sur les câbles car cela pourrait causer des dommages et conduire éventuellement à des fils électriques dénudés.

### Ventilation

Tout matériel informatique doit être disposé dans un endroit bien ventilé. Veiller à ne jamais obstruer les orifices de ventilation du boîtier de l'ordinateur, sinon, il y a risque de surchauffe du système et votre matériel peut être endommagé.

### Environnement de travail

Le matériel doit être placé sur une surface de travail stable et solide, dans un environnement exempt de poussière et d'humidité et non exposé à des variations extrêmes de températures. Ne pas placer de liquides (boissons chaudes/froides, etc.) près du matériel, car un déversement accidentel pourrait causer de graves dommages.

### Gaz/Liquides inflammables

Le matériel électronique ne doit jamais être utilisé en présence de gaz ou de liquide inflammable ; cela pourrait entraîner une explosion ou un grave incendie.

### Fumée/odeurs inhabituelles

Si vous constatez la présence de fumée ou d'odeurs inhabituelles émanant de votre ordinateur, éteignez-le et débranchez le système de l'alimentation secteur. Dans ce cas, le système devra être confié à un technicien qualifié pour inspection. Une poursuite de son utilisation risquerait de provoquer des blessures corporelles et des dommages matériels.

### Entretien

L'entretien doit impérativement être effectué par des techniciens compétents, toute carte enfichable Datapath physiquement endommagée est à retourner à Datapath pour réparation via la procédure Datapath RMA.

### Élimination

En fin de vie, tous les produits Datapath seront éliminés conformément aux législations et réglementations locales. Au Royaume-Uni, veuillez contacter Datapath pour organiser l'élimination. Notre numéro d'enregistrement de Déchets d'équipements électriques et électroniques : WEEE/AA0005ZR.

### Consignes de sécurité du montage sur bâti

#### Température

S'il est prévu d'installer les systèmes VSN870 dans une enceinte fermée ou dans un bâti comportant plusieurs unités, l'installation devra être effectuée de telle manière que le débit d'air requis pour la sûreté de fonctionnement du matériel ne soit pas compromis. La température ambiante de fonctionnement de l'environnement du bâti doit être maintenue en-dessous de 35 degrés centigrades dans toutes les conditions. Des dispositifs de refroidissement appropriés doivent être intégrés dans l'armoire de façon à garantir le maintien de cette spécification.

#### Charge mécanique

Le montage du matériel doit être effectué de manière à exclure toute situation dangereuse pouvant provenir d'une charge mécanique irrégulière.

#### Surcharge de circuit

Il convient d'apporter une certaine importance au raccordement du matériel au circuit de l'alimentation secteur et aux effets qu'une surcharge de l'alimentation pourrait avoir sur une protection contre les surintensités ou les câbles d'alimentation. Vérifiez pour cela les valeurs nominales sur les plaques d'identification du matériel.

#### Fiabilité de la mise à la terre

Veiller à une mise à la terre fiable de tout matériel monté sur bâti. Une attention particulière devra être accordée aux raccordements d'alimentation autres que les raccordements directs au circuit de dérivation (utilisation de multiprises par exemple).

#### Batteries remplaçables

Attention: Risque d'explosion si la batterie est remplacée par un type incorrect.

Jetez les piles usagées conformément aux lois / réglementations locales et aux instructions du fabricant.

## Instrucciones de seguridad (Esp)

Rogamos leer las siguientes instrucciones de seguridad antes de poner en funcionamiento el equipo, a fin de evitar daños en su producto de Datapath o lesiones al personal encargado de su manejo. Poner estas instrucciones a disposición de todos aquellos que vayan a utilizar y/o manejar los productos de Datapath.

### Alimentación eléctrica

Todos los productos de Datapath requieren una fuente de alimentación eléctrica. Esta fuente de alimentación eléctrica debe ser desconectada durante las tareas de renovación o traslado.

### Cables

No exponer los cables a líquidos, ya que ello puede causar un cortocircuito y, por consiguiente, daños en el equipo. No colocar objetos pesados sobre los cables, ya que esto puede ocasionar daños y poner al descubierto los cables vivos.

### Ventilación

Todos los equipos informáticos deben estar situados en un área bien ventilada. Mantener todos los orificios de ventilación de la carcasa del ordenador siempre libres de obstrucciones de cualquier tipo. En caso contrario, podría producirse un sobrecalentamiento del sistema y daños en el equipo.

### Entorno de trabajo

El equipo debe estar emplazado en un ambiente sin polvo, humedad ni cambios bruscos de temperatura y debe ser situado sobre una superficie estable y sólida. No colocar líquidos (bebidas calientes/frías, etc.) cerca del equipo, ya que un derrame podría causar graves daños.

### Gas/líquidos inflamables

El equipo electrónico nunca debe ser usado en presencia de gas o líquido inflamable, ya que esto podría causar una explosión o un incendio grave.

### Humo/olores inusuales

En caso de percibir humo u olores inusuales provenientes de su ordenador, apagar y desenchufar el equipo de la red eléctrica. El sistema debe ser confiado entonces a un técnico cualificado para su inspección. Si el equipo continuara funcionando, esto podría ocasionar lesiones personales y daños materiales.

### Mantenimiento

El mantenimiento solo debe ser ejecutado por técnicos capacitados. Las tarjetas insertables (plug-in) de Datapath que estén físicamente dañadas deben ser devueltas a Datapath para su reparación según los procedimientos RMA (Return Merchandise Agreement) de Datapath.

### Eliminación

Al final de su vida útil, todos los productos de Datapath deben ser eliminados de acuerdo con las leyes y normativas locales. En el Reino Unido, contactar a Datapath para organizar la eliminación. Nuestro número de registro WEE (Waste Electrical and Electronic Equipment) es WEEE/AA0005ZR.

## Instrucciones de seguridad para montaje en bastidor

### Temperatura

Si los sistemas VSN870 se montan en un bastidor cerrado o en un bastidor de varias unidades, la instalación se deberá realizar evitando que afecte al flujo de aire necesario para un funcionamiento seguro. Mantener la temperatura ambiente del entorno del bastidor por debajo de los 35 grados centígrados bajo todo tipo de condiciones. Instalar en el armario los dispositivos adecuados de refrigeración a fin de asegurar que se cumple esta especificación.

### Carga mecánica

Efectuar el montaje del equipo en el bastidor de tal modo que se eviten situaciones de peligro debidas a una carga mecánica irregular.

### Sobrecarga de circuito

Tener especial cuidado al realizar la conexión del equipo al circuito de la red eléctrica a fin de evitar que una sobrecarga de ésta pueda afectar a algún dispositivo de protección contra corriente de sobretensión o al cableado de alimentación. Tener en cuenta las capacidades especificadas en la placa indicadora del equipo al conectarlo a la red.

### Puesta a tierra segura

Asegurar la puesta a tierra segura de todos los equipos montados en bastidor. Prestar especial atención a las conexiones de alimentación que no sean conexiones directas al circuito en derivación (por ejemplo, mediante regletas).

### Baterías reemplazables

Precaución: Riesgo de explosión si la batería se sustituye por otra de tipo incorrecto.

Desheche las baterías usadas según las leyes / regulaciones locales y las instrucciones del fabricante.

## Sicherheitsanweisungen (D)

Die folgenden Sicherheitsanweisungen dienen der Vermeidung von Schäden an Ihrem Datapath-Produkt und Verletzungen der Nutzer. Bitte lesen Sie sie sorgfältig durch, bevor Sie Ihr Produkt in Betrieb nehmen. Diese Anweisungen sollten allen Personen zugänglich gemacht werden, die mit der Nutzung und der Bedienung von Datapath-Produkten betraut sind.

### Stromversorgung

Alle Datapath-Produkte müssen an die Hauptstromversorgung angeschlossen werden. Die Stromversorgung muss unterbrochen werden, wenn Geräte ausgetauscht oder an einer anderen Stelle platziert werden sollen.

### Kabel

Kabel dürfen nicht mit Flüssigkeiten in Berührung kommen, da dadurch ein Kurzschluss und somit ein Schaden an dem Gerät ausgelöst werden könnte. Stellen Sie außerdem keine schweren Objekte auf die Kabel, um Schäden und offen liegende stromführende Leitungen zu vermeiden.

### Lüftung

Computerausrüstung sollte in einem gut gelüfteten Bereich aufgestellt werden. Die Lüftungslöcher am Computergehäuse müssen stets freigehalten werden, um eine Überhitzung und somit einen Geräteschaden zu vermeiden.

### Arbeitsumgebung

Die Geräte sollten in einer staubfreien und trockenen Umgebung, in der keine extremen Temperaturänderungen zu erwarten sind, auf einer stabilen Arbeitsfläche aufgestellt werden. In der Nähe der Geräte sollten keine Flüssigkeiten (heiße/kalte Getränke etc.) platziert werden, die verschüttet werden und schwerwiegende Schäden anrichten könnten.

### Gas/brennbare Flüssigkeiten

Elektronische Geräte sind nicht in Umgebungen zu verwenden, in denen Gas oder brennbare Flüssigkeiten vorhanden ist/sind und somit Brand- und Explosionsgefahr besteht.

### Rauch/ungewöhnliche Gerüche

Schalten Sie das System aus und trennen Sie es von der Hauptversorgung, wenn von Ihrem Computer Rauch ausgeht oder dieser ungewöhnliche Gerüche abgibt. Lassen Sie das System anschließend von einem qualifizierten Techniker prüfen. Bei fortgeführtem Betrieb besteht die Gefahr von Verletzungen und Sachschäden.

### Wartung

Wartungsarbeiten sollten nur von qualifizierten Technikern durchgeführt werden. Physisch beschädigte Plug-in-Karten von Datapath sollten zur Reparatur unter Einsatz der RMA-Verfahren von Datapath an Datapath übergeben werden.

### Entsorgung

Am Ende ihrer Nutzungsdauer sollten Datapath-Produkte gemäß den lokalen Gesetzen und Bestimmungen entsorgt werden. Für Nutzer in Großbritannien: Bitte kontaktieren Sie Datapath, um Vorkehrungen zur Entsorgung von Datapath-Produkten zu treffen. Unsere WEE-Registrierungsnummer lautet WEEE/AA0005ZR.

## Sicherheitsanweisungen zur Rack-Montage

### Temperatur

Um einen sicheren Betrieb zu gewährleisten, muss ausreichend Luft zur Kühlung sichergestellt werden, wenn VSN870-Systeme in einem geschlossenen Rack-Aufbau oder einem Aufbau für mehrere Geräte installiert werden. Die Umgebungstemperatur in dem Bereich, in dem sich das Rack befindet, sollte stets unterhalb von 35° C liegen. Das Gehäuse sollte mit einer Vorrichtung zur angemessenen Kühlung ausgestattet sein, sodass diese Spezifikation erfüllt werden kann.

### Mechanische Belastung

Um Gefahrensituationen zu vermeiden, muss bei der Platzierung der Geräte in das Rack auf eine gleichmäßige mechanische Belastung geachtet werden.

### Schaltkreisüberlastung

Beim Anschluss der Geräte an die Hauptstromversorgung sollten die Auswirkungen berücksichtigt werden, die eine Überlastung der Stromversorgung auf einen eventuell vorhandenen Überspannungsschutz oder Versorgungsleitungen haben könnte. In diesem Zusammenhang sind die Typenschilder der Geräte zu beachten.

### Zuverlässige Erdung

In Bezug auf in Racks montierte Geräte ist stets auf eine zuverlässige Erdung und insbesondere auf Versorgungsleitungen zu achten, die nicht direkt an den jeweiligen Stromkreis angeschlossen sind (Nutzung von Steckerleisten etc.).

### auswechselbare Batterien

Achtung: Explosionsgefahr, wenn Batterie durch einen falschen Typ ersetzt wird.

Entsorgen Sie gebrauchte Batterien entsprechend der örtlichen Gesetze / Vorschriften und Anweisungen des Herstellers.

# VSN870

Congratulations on your purchase. The VSN870 is a powerful, Core i7 Industrial PC providing a video wall controller solution capable of capturing RGB/HD/HDMI/HD-SDI/SD-SDI/3g-SDI/DVI/SD Composite and S-Video sources. The captured sources can be displayed anywhere on the display wall using our Wall Control-red Windows® application program.

Unless a specific configuration has been requested, this VSN870 has been configured for the largest possible number of display wall screens, and input sources that this system can support,

This Quick Start guide is designed to aid quick installation and set up of your new VSN870, however, should you experience any problems not covered in this guide please refer to the user Manual and online help system.

## Step 1

### *Packing List – Your box should contain:*

#### VSN870 Chassis

(Large systems may also include the Vision800X expansion chassis. See Quick Start Guide appendix supplied.)

#### Keyboard

#### Mouse

#### Cables/Adapters

(See quantity guide Fig.1)

#### Quick Start Guide

#### Accessories Pack Containing:

##### The Image4 Software Installation Suite CD

(Note: This CD contains all of the software required for a VSN870, including the drivers for the capture cards and the Wall Control application software)

##### Operating System CD (including Product Key)

##### Motherboard Driver CD

##### Removable Hard Drive Keys

##### Chassis Door Keys

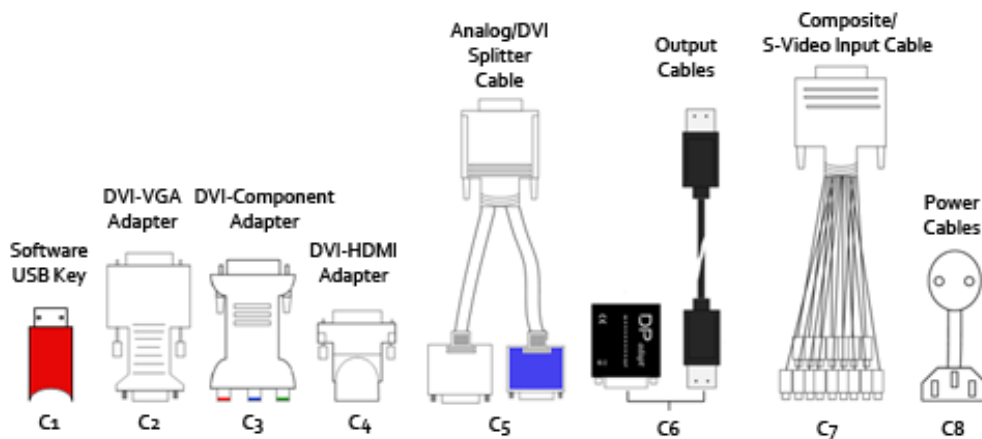


Fig.1

C1	x 1 - optional. If requested this item may be installed inside the VSN870
C2	x2 per VisionRGB-E2S card. x1 per VisionRGB-E1S and VisionSD4+1 card
C3	x1 per VisionRGB-E1S/E2S card. x1 per VisionSD4+1 card
C4	x1 per VisionRGB-E1S/E2S card. x1 per VisionSD4+1 card
C5	x 1 per SBC2
C6	x4 per ImageDP4 graphics card
C7	x1 per VisionSD8 and x1 per VisionSD4+1 card
C8	x2 for the RPSU model and x1 for the ATX model

## Step 2

### Unpacking

The VSN870 chassis is heavy, lifting precautions should be taken.

Inspect items for damage. Should any items show any signs of damage, report it immediately to your vendor.

### Attention!

The VSN870 contains additional packaging inside the chassis. This MUST be removed prior to operation by removing the chassis lid via the 4 screws, 2 located on each side of the case lid.

Retain packaging materials for future shipping requirements.

### Front View

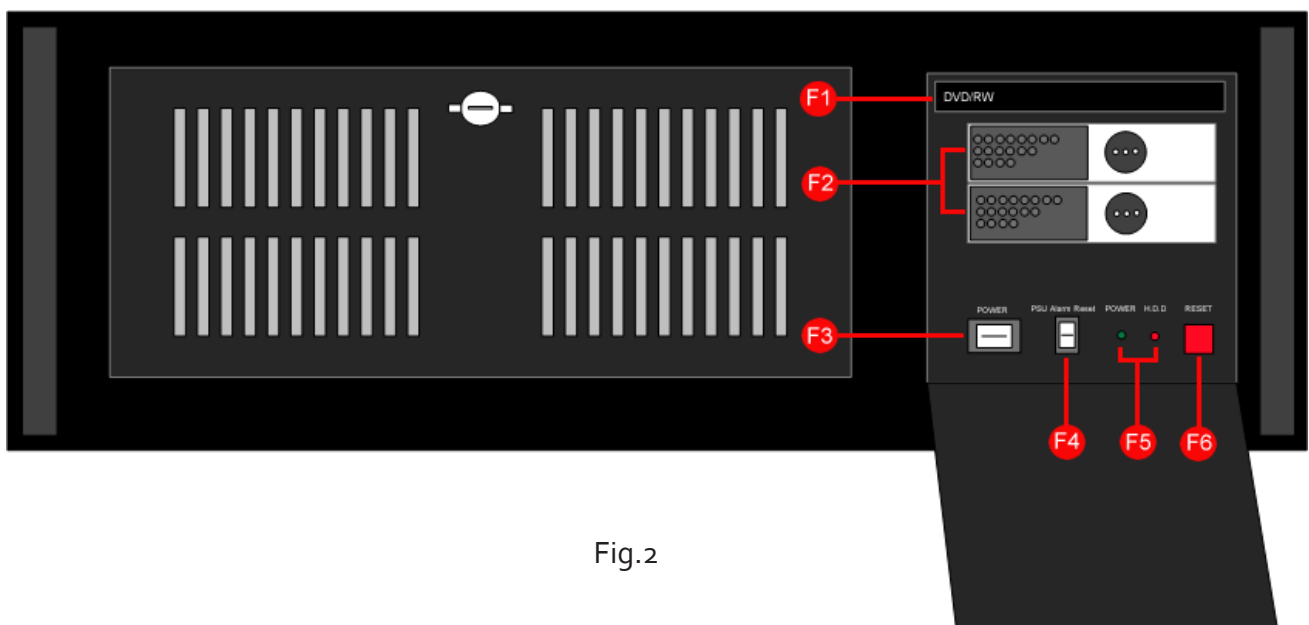


Fig.2

### Key:

F1	DVDRW drive.
F2	2 x 500GB removable SATA hard drives.
F3	Power switch.
F4	PSU Alarm Reset switch.
F5	Operating LED's.
F6	System Reset switch.

## Rear View

Each custom configured VSN870 will differ depending on the number of output cards and capture cards installed. The illustration below (Fig.3) is an example of the rear panel and shows the six types of card that may be installed in the Vision800:

- ImageDP<sub>4</sub> card (outputs 1 -4)
- VisionRGB-E2S card (inputs 5 and 6)
- VisionSD<sub>4+1S</sub> card (inputs 7 and 8)
- VisionSD8 card (input 9)
- VisionAV/B (inputs 10 and 11)
- VisionDVI-DL card (input 12)
- VisionSDI<sub>2</sub> card Input (inputs 13 and 15)

In this example the configuration would support a four screen display wall, (1,2,3 and 4) four RGB/HD/HDMI/DVI sources (5, 6, 7, and 11) and a total of thirteen SD Composite or S-Video sources, four into the VisionSD<sub>4+1s</sub> (8) and eight into the VisionSD8 Capture card (9) and one in the RCA connector (10) and one Dual-Link DVI source (12) and two SDI sources (13 and 15).

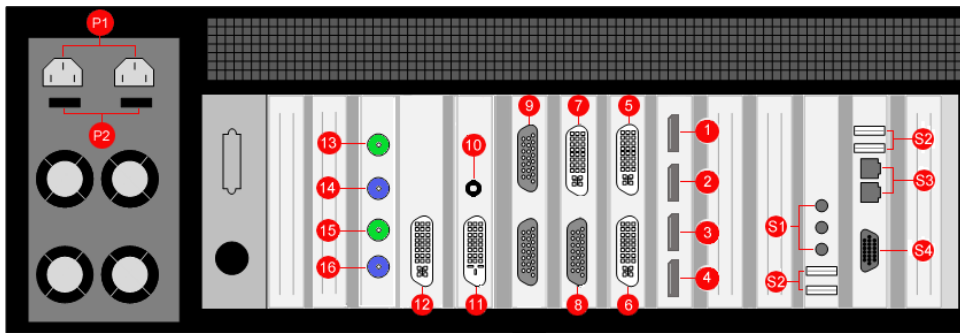


Fig.3 (Model shown - RPSU)

Key:

P1	Power Connectors. (Only one power connector for the ATX model.)
P2	Main Power Switches. (Only one main power switch on the ATX model.)
1	ImageDP <sub>4</sub> graphics card output connector - For connecting output cables (Fig.4)
2	ImageDP <sub>4</sub> graphics card output connector - For connecting output cables (Fig.4)
3	ImageDP <sub>4</sub> graphics card output connector - For connecting output cables (Fig.4)
4	ImageDP <sub>4</sub> graphics card output connector - For connecting output cables (Fig.4)
5	VisionRGB-E2S capture card DVI-I Input connector = RGB/HD/HDMI/DVI source. (Fig.5/6/7/8)
6	VisionRGB-E2S capture card DVI-I Input connector = RGB/HD/HDMI/DVI source. (Fig.5/6/7/8)
7	VisionSD <sub>4+1S</sub> capture card DVI-I Input connector – = RGB/HD/HDMI/DVI source. (Fig.5/6/7/8)
8	VisionSD <sub>4+1S</sub> capture card D-Type Input connector = SD Composite/S-Video sources. (Fig.11)
9	VisionSD8 capture card D-Type Input connector = SD Composite/S-Video sources. (Fig.12)
10	VisionAV capture card RCA connector - For connecting one Standard Definition composite source
11	VisionAV capture card DVI-I Input connector – For connecting one RGB/HD/HDMI/DVI source. See (Fig.5/6/7/8)
12	VisionDVI-DLcapture card Dual Link DVI-D Input connector – For connecting a Dual Link DVI source (Fig.9)
13	VisionSDI <sub>2</sub> capture card BNC Input connector 1 = SD-SDI/HD-SDI/3G-SDI sources. (Fig.10)
14	VisionSDI <sub>2</sub> Capture card BNC Passthrough connector for input connector 1. (Fig.10)
15	VisionSDI <sub>2</sub> capture card BNC Input connector 2 = SD-SDI/HD-SDI/3G-SDI sources. (Fig.10)
16	VisionSDI <sub>2</sub> Capture card BNC Passthrough connector for input connector 2. (Fig.10)
S1	Aux Inputs connectors.
S2	USB Input connectors.
S3	Network connectors.
S4	Output connector for the Control Screen

## Step 3

### Getting Started

Connect the USB Keyboard, Mouse and Wall Control software USB Key (unless fitted internally on request) into vacant USB connectors located on the SBC Backplane. (Fig.3 - S2)

Connect the Power Cable(s) to the chassis (Fig.3 - P1). Failure to connect both power cables on an RPSU system will result in an audible alarm and a red power LED is displayed when the system is switched on.

### How to Connect Output Screens

You should exercise great care when connecting all cables to the connectors.

If the pins are oriented correctly and the connector is pushed on squarely, the use of force is not required. Poor handling may cause some pins to bend within the plug on the cable and this, in turn will cause damage to the output socket and in some instances will cause irreparable damage to the Printed Circuit Board.

Such damage is not covered under warranty

### Control Screen

A Control Screen is a stand alone output screen separate from the display wall. The system is configured to boot up on the Control Screen. The Control Screen is configured as the Primary Monitor in Windows® with the display wall as the Secondary Monitor, unless previously requested.

Connect your Control Screen to the output of the SBC (Fig.3 - S4) using the Analogue/DVI Splitter Cable supplied (Fig.1 - C5).

### Display Wall

Connect the monitors of the display wall to the output connectors (Fig.3 - 1-4) using the output DisplayPort cables provided.

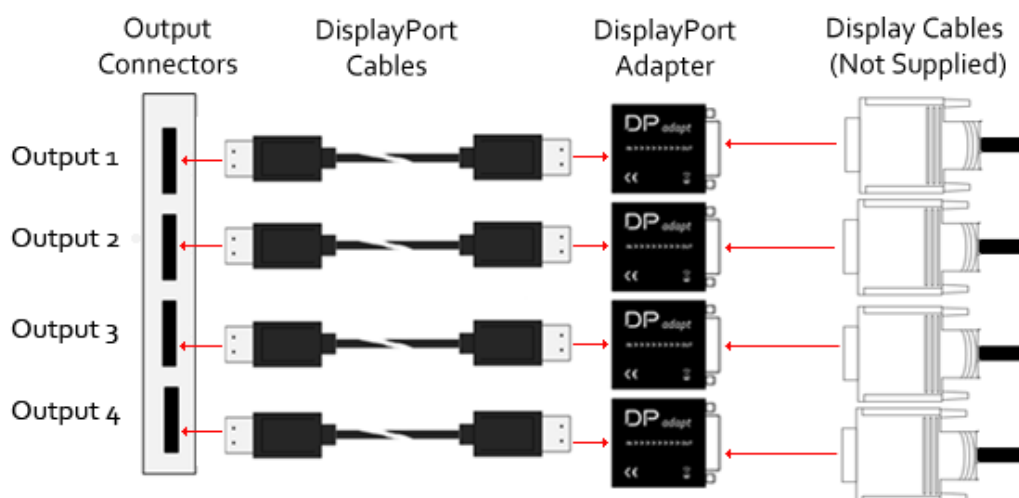


Fig.4

## How to Connect Input Sources

The system provides two types of input connector, DVI-I (Fig.3 – 5,6,7 and 11), DVI-D (Fig.3 – 12) and D-type (Fig.3 – 8 and 9).

The DVI-I connector supports DVI, HDMI, Component and RGB (VGA) inputs using the supplied adapters where required.

A DVI input is connected directly into the DVI-I connector which accepts DVI-D (digital) or DVI-A (analogue) inputs:

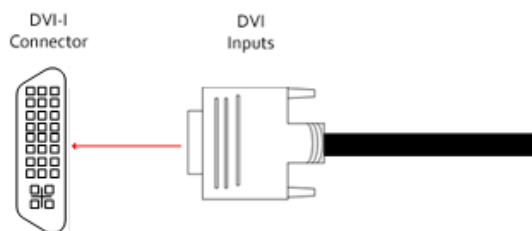


Fig.5

An HDMI input is connected to the DVI-I connector using a DVI-HDMI Adaptor:

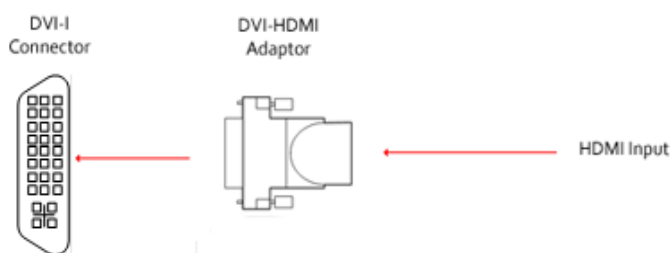


Fig.6

A Component input is connected to the DVI-I connector DVI-Component Adaptor:

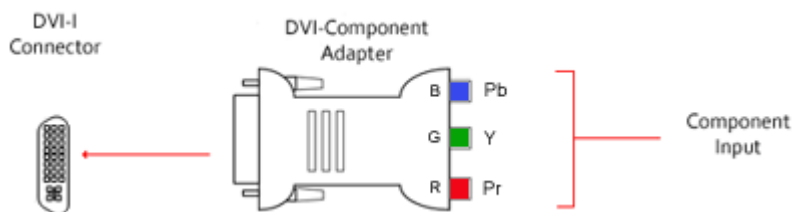


Fig.7

An RGB (VGA) input is connected to the DVI-I connector using DVI-VGA Adaptor:

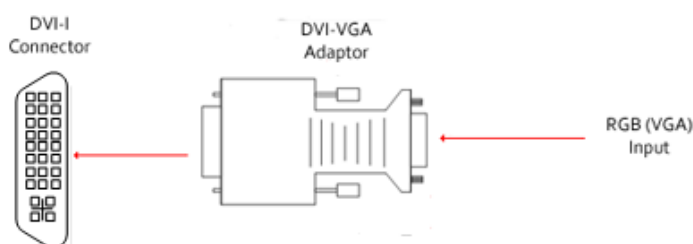


Fig.8

A Dual Link DVI input is connected directly into the DVI-D Dual Link connector. Input cables are not supplied.

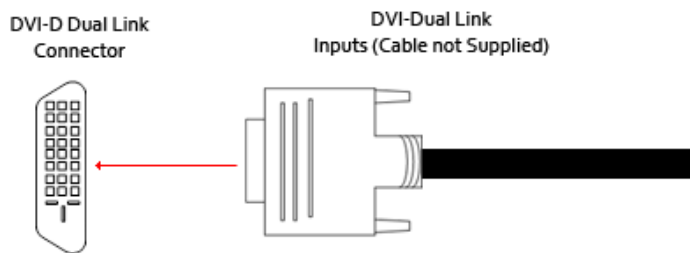


Fig.9

SD-SDI/HD-SDI and a 3G-SDI inputs are connected directly into the BNC connector on the VisionSDI2 card. Input cables are not supplied.

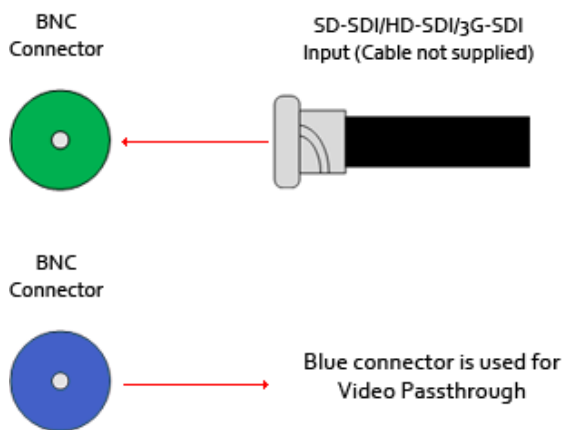


Fig.10

SD Composite or S-Video inputs are connected to the D-Type Connector on the VisionSD8 Capture card using the supplied Composite/S-Video Cable:

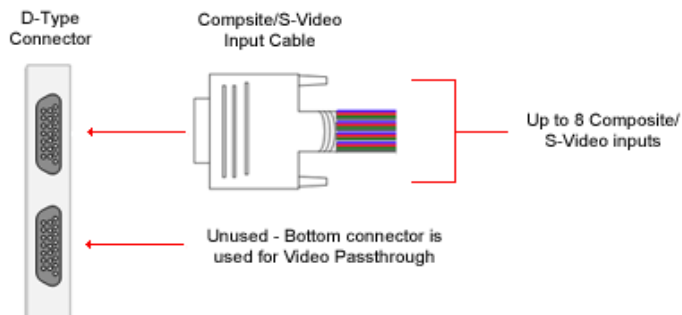


Fig.11



### Use of SD Composite/S-Video Input cables

The Composite/S-Video input cable consists of 16 BNC sockets numbered 1-16, connected to a 26-way D connector. For Composite input signals only the first 8 BNC sockets are used. To connect a video input, connect the Composite/S-Video Luma and Chroma signal as indicated in the table below:

<i>Input</i>	<i>Composite/S-Video Luma = BNC Connector</i>	<i>Chroma = BNC Connector</i>
1	1	9
2	2	10
3	3	11
4	4	12
5	5	13
6	6	14
7	7	15
8	8	16

D Composite or S-Video inputs are connected to the D-Type Connector on the VisionSD<sub>4+1</sub> capture card using the supplied Composite/S-Video Cable:

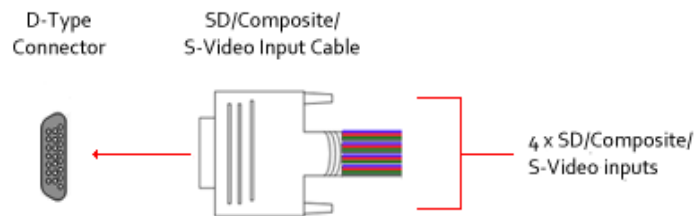


Fig.12

For Composite input signals into the VisionSD<sub>4+1S</sub> capture card only the first 4 BNC sockets are used. To connect a video input, connect the Composite/S-Video Luma and Chroma signal as indicated in the table above.

## Step 4

### Switching on the VSN870

Ensure that the Power Supply Unit(s) are switched on (Fig.3 - P2).

Press and release the main power switch (Fig.2- F3).

The BIOS and boot messages will appear on the Control Screen that is plugged into the output socket on the SBC (Fig.3 - S4).

When the system has booted the Windows® "Splash Screen" is displayed on the Control Screen.

Complete the Windows® setup procedure to select language, user account details and computer name. You will be prompted for the Operating System Software Key, this is located on the Operating System CD case in the Accessories pack.

Once the account has been set up, the Control Screen and Display Wall will open into a Windows® desktop.

The VSN870 has pre-configured factory settings for the wall layout and screen resolution. These settings can be changed using the TWIN tab accessed from the Display Properties dialog. To access the TWIN tab right click on the desktop and select Screen Resolution, the following dialog is displayed:

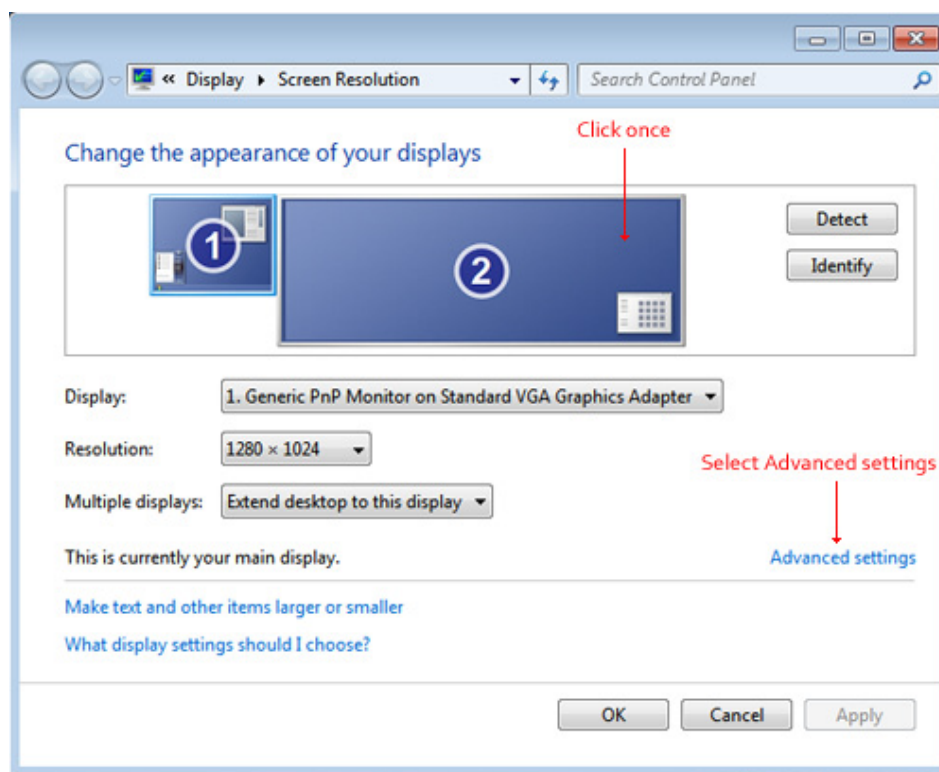


Fig.13

This dialog shows the Control Screen as the Primary Monitor (1) and the display wall as the Secondary Monitor (2).

To access the TWIN Properties tab, highlight the Secondary Monitor by clicking once inside the box and then selecting Advanced settings (Fig.13).

If you wish to change the default factory settings, use the TWIN tab to set the number of screens, Screen Arrangement and Resolution per Screen (Fig.14).

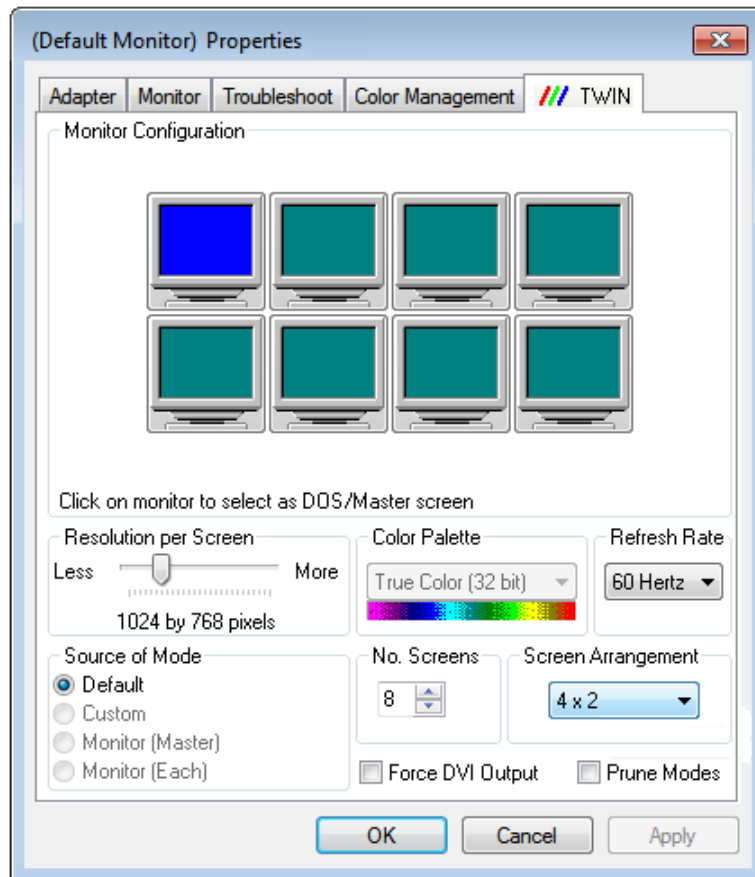


Fig.14

Click Apply and then OK. In some instances, these changes may require a system re-start.

## Step 5

### Wall Control

Wall Control can be used to interactively move, size and position application windows and input windows on the display wall. Wall Control has a guide and grid function to aid the positioning of windows. You can save specific wall layouts as .lay files allowing them to be re-called when required. For more detailed information on the functionality of Wall Control, consult the Wall Control online help.

To use the Wall Control application locally on the VSN870 select: Start menu>All Programs> Wall Control > Wall Control – My Computer. This opens the Wall Control application (Fig.15).

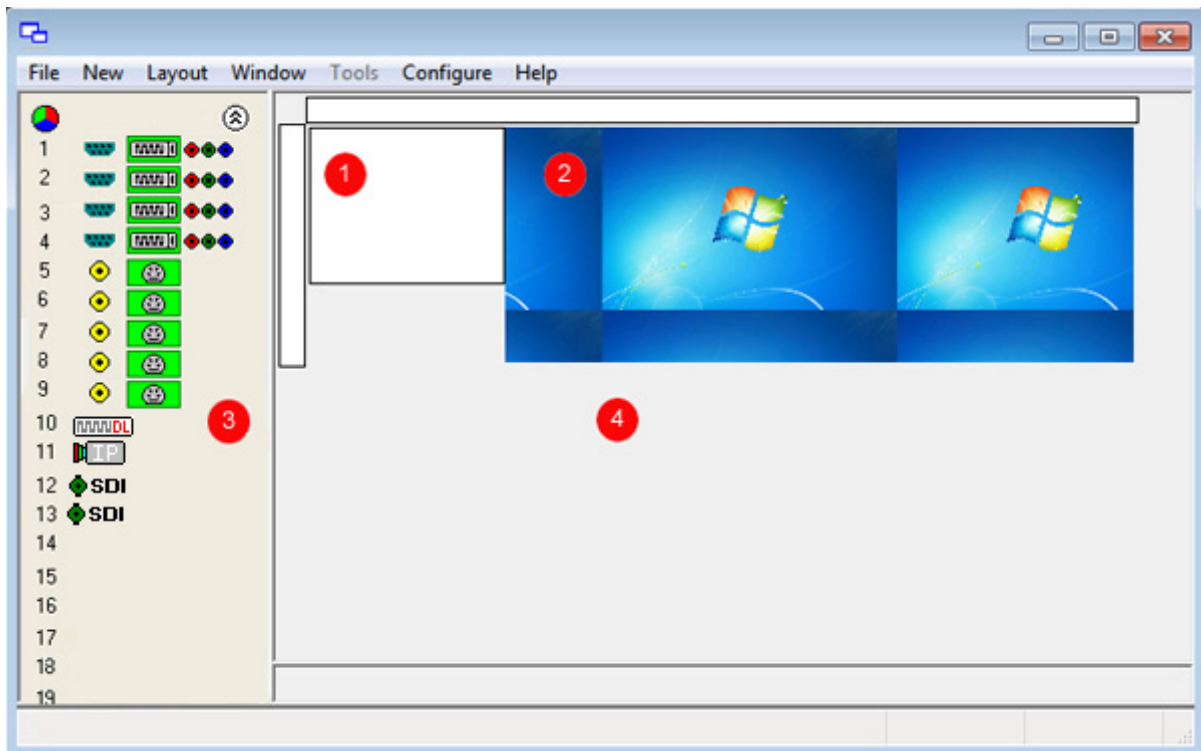










Fig.15

### Application Description

1	Control Screen representation
2	Display Wall representation – Displays a snap-shot of the display wall including any input sources currently displayed.
3	Application Toolbar – Displays the number and type of inputs available for display.
4	An area of the application around the desktop where windows can be dragged allowing them to be manipulated without being displayed on the display wall.

## Icons Displayed in the Application Toolbar

	Composite input
	S-Video input
	DVI input
	Analogue input
	Component input
	SDI input
	DVI Dual Link input
	IP Camera input

If an icon is highlighted green, this indicates that an active input of that type is present. For example in [Fig.15 input 4](#) indicates that DVI is currently being captured.

### How to Display Inputs on the Display Wall

To display an input source on the Display Wall simply drag and drop the input source from the Application Toolbar ([Fig.15 – 3](#)) onto the display wall representation ([Fig.15 - 2](#)).

To move the window, drag and drop the window representation to the chosen position on the desktop representation.

To resize the window click and drag the borders of the window representation.

Once all the required windows have been placed on the wall, the configuration can be saved as a layout file. Click on the application File menu and select Save/Save As. This will save the configuration as a .lay file which can be recalled at any time.

### Further Reference

To gain full advantage of your new VSN870 it is recommended that you study the online help system that can be found in the Wall Control application Help menu.

# Quality Assurance

The VSN870 has been tested to exacting standards in our factory prior to shipping as follows:

## Components

### Output Cards

Dual tested for functionality prior to system build.



### Capture Cards

Dual tested for functionality for all input types prior to system build.

## VSN870 Built System

Further soak tested for a minimum of 12 hours running Wall Control and a commercial PC stress testing application.

Date of QA Test: ..... Authorised Signature.....

 		Toxic or Hazardous Substances and Elements 有毒有害物质或元素					
		铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr(VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
Contents	实装基板	○	○	○	○	○	○
备注 (○ 或 × 的表示意思) ○ : 表示该有毒有害物质在该部件所有均质材料中的含量均在 SJ/T11363-2006 标准规定的限量要求以下。 × : 表示该有毒有害物质至少在该部件的某一均质材料中的含量超出 SJ/T11363-2006 标准规定的限量要求。							



## MAIN SALES DEPARTMENT

Datapath Limited,  
 Bemrose House  
 Bemrose Park  
 Wayzgoose Drive,  
 Derby, DE21 6XQ  
 England  
 Tel: (+44) (0) 1332 294441  
 Fax: (+44) (0) 1332 290667  
 email: sales@datapath.co.uk  
 Web: <http://www.datapath.co.uk>