



(AC508A)
2 In 4 Out



(AC509A)
2 In 8 Out

Introduction

Through the video matrix, you can use 2 PCs to display the diverse images on 2,4,8 monitors; meanwhile, optional means for controlling monitor's image either come from PC "A" or PC "B" or just switching off.

Video matrix is ideal for:

- Test bench facilities
- Data center
- Help desks
- Video broadcasting: Presentation
- Stock quotes
- Timetables
- Educational facilities

Features

- Intelligent functionality.
- With 250 MHz pixel frequency.
- Extends the video signal up to 65 meter (213 feet).
- Supports the DDC, DDC2, DDC2B. (For video out port 1 and 2)
- Can be cascaded.
- The output is compatible with standard VGA card.
- Free select from PC A or PC B or switch off by means of the front panel switch.

Specifications

Function	AC508A	AC509A
Video Input Connector (HD-15 Female)	2	2
Video Output Connector (HD-15 Female)	4	8
Select Switch	4	8
Linked LEDs	A (Green)	4
	B (Red)	4
Max. Resolution	1920 x 1440 60 Hz	
Pixel Frequency	250 MHz	
Cable Distance (Device to Monitor)	65m (213 feet) Max.	
Signal Type	VGA, SVGA, XGA, Multisync	
Power Adapter (Min.)	AC 7.5V 800mA	
Housing	Metal	
Weight	455 g	680 g
Dimensions (LxWxH) mm	130x75x42	200x75x42

Technical Specifications

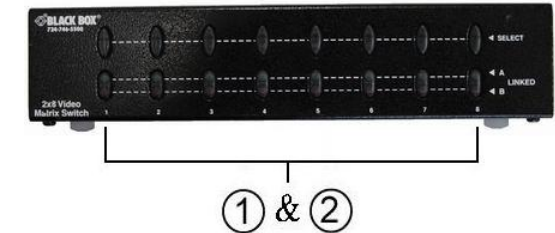
Input/Output Signal

Pin #	Signal
1	Red video
2	Green video
3	Blue video
4	ID2 *
5	Ground
6	Analog ground
7	Analog ground
8	Analog ground

Pin #	Signal
9	NC
10	Ground
11	ID0 *
12	ID1 *
13	Horizontal sync
14	Vertical sync
15	ID3 *

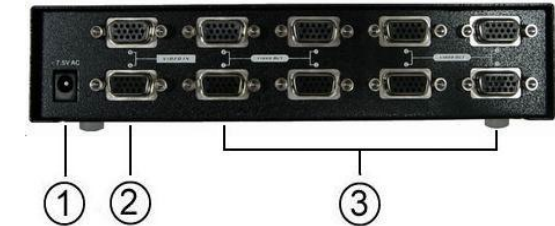
* For video out port 1 and 2.

FRONT VIEW



1. Select
2. A, B Linked

REAR VIEW



1. Input Power Jack
2. A, B "Video In" Port
3. "Video Out" Port

*There are 4 ports for AC508A and 8 ports for AC509A.

CUSTOMER SUPPORT INFORMATION

Order toll-free in the U.S. 24 hours, 7 A.M. Monday to midnight Friday:
877-877-BBOX
FREE technical support, 24 hours a day, 7 days a week: Call 724-746-5500 or fax 724-746-0746
Mail order: Black Box Corporation, 1000 Park Drive, Lawrence, PA 15055-1018
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Installation

1. Turn off the PCs and monitors.
2. Connect the HD-15 video extension cable between the VGA card of PCs and the "Video In" ports of video matrix.
3. Connect the HD-15 video extension cables between the monitors and the "Video Out" ports of video matrix.
4. Connect the power cord and turn on the video matrix.
5. Turn on the PCs and monitors.
6. Control front panel switch to obtain the image either come from PC **A** (Linked LED "A" on) or PC **B** (Linked LED "B" on) or just switching off. (Linked LED "A B" off)

Note:

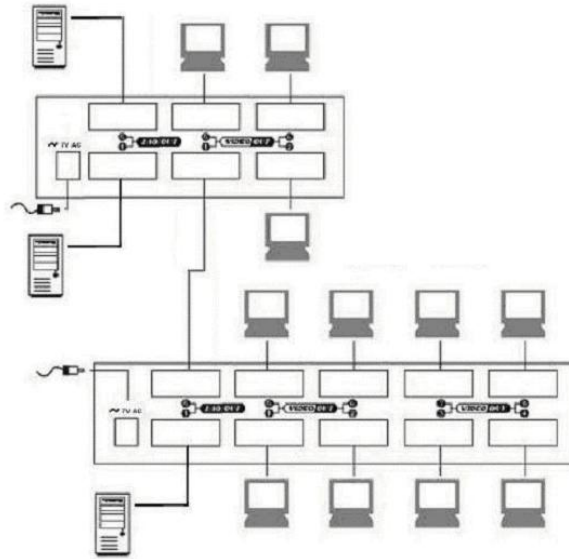
- All the "Video Out" ports will connect with the "Video In" port of **A** while turning on the video matrix.
- If you install the DDC monitor for the video matrix, the rest of monitors must be the same resolution as the DDC monitor.
- Through the functionality of DDC monitor, the "Video In" port of **A** will connect with the "Video Out" port 1 and the "Video In" port of **B** will connect with the "video out" port 2.
- Available monitors include the VGA, SVGA, XGA, Multisync, and exclude the CGA, EGA, Mono.

Operation for cascade:

1. The function to display image on more monitors, you request to attach another video matrix or the standard video splitter.
2. Connect the HD-15 male/male video extension cable between the "Video Out" port of the former video matrix and the "Video In" port of the latter video matrix.

Note:

Even though you are allowed to cascade the video matrix with varied ports, the image might become unstable if cascade too many tiers of video matrixes.



P.S.: The example cascades the 4 and 8 ports video matrix; however, you can cascade the video matrix with demanded port.

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