



# VIDEO MATRIX



**2 in 2 Out  
(DS-47110-1)**



**2 in 4 Out  
(DS-48110-1)**

## USER MANUAL

### Package Contens

- 1 video matrix
- 1 user manual
- 1 DC12V 1A power adapter

Any thing missed, please contact with your vendor.

## Introduction

Through the video matrix, you can use 2 PCs to display the diverse images on 2 or 4 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'').
- 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		2 port	4 port
Video Input Connector (HD-15 Female)		2	2
Video Output Connector (HD-15 Female)		2	4
Select Switch		2	4
Linked LEDs	A (Green)	2	4
	B (Red)	2	4
Max. Resolution		1920 x 1440 60 Hz	
Pixel Frequency		250 MHz	
Cable Distance (Device to Monitor)		65 m (213'') Max.	
Signal Type		VGA, SVGA, XGA, Multisync	
Power Adapter (Min.)		DC12V 1A	
Housing		Metal	
Weight		420 g	455 g
Dimensions (LxWxH)		130 x 75 x 42 mm	

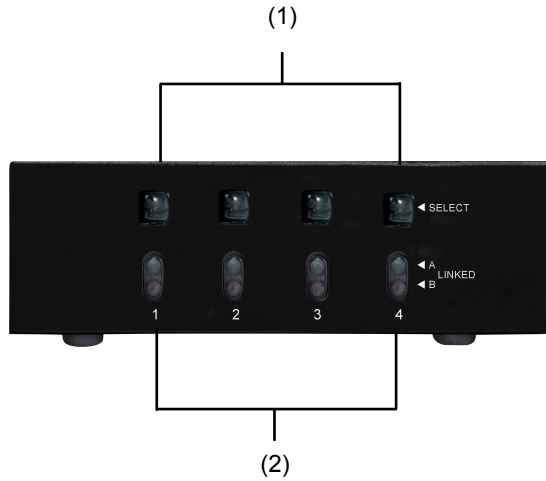
## Technical Specifications Input/Output Signal

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 *

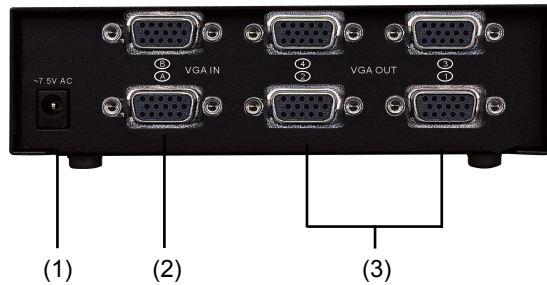
\* For video out port 1 and 2.

## 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 2/4 out ports for the video matrix

## 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“ port of matrix.
3. Connect the HD-15 video extension cables between the monitors and the „video out“ port of matrix.
4. Connect the power cord and turn on the 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 splitter, the rest of monitors must be the same resolution as the DDC monitor.
- The functionality of DDC comes from „video in“ port of (A) connecting with „video out“ port 1 as well as „video in“ port of (B) connecting with „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 video matrix or standard video splitter.
2. Connect the HD-15 Male/Male video extension cable between the former matrix of the „video out“ port and the latter matrix of the „video in“ port.

### Note:

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

P.S.: The example cascades the 2 and 4 port video matrix; however, you can cascade the video matrix with desired port.

