

# VGA to DVI Conversion Box



(VD-101W)

## USER MANUAL VD-101W

V1.0

### Package Contents-

- 1 Smart View VD-101W
- 1 user manual
- 1 power adapter DC 9V/600mA
- 1 Smart View 1.2M cable (HD-15 Male to Male)

Any thing missed, please contact with your vendor.

## Introduction

The VD-101W Converter connect computer with HD-15 connector to digital monitor or projector. The converter changes your PC analog VGA signal to digital graphic signal, so that digital display device or projector can be connected to your PC analog output easily and conveniently.

## Features

- Use PanelLink digital technology
- Compliant with the specification of DVI 1.0
- Support high-resolution display up to WUXGA (25-165MHz)
- Connect PC with VGA connector to digital monitor or projector

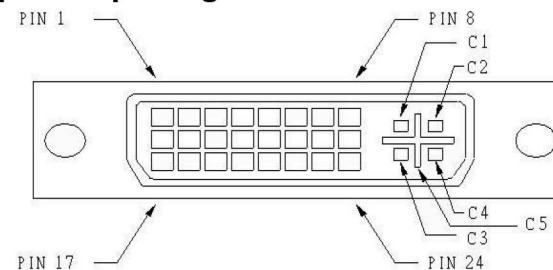
## Specifications

Function	VD-101W
Video Input Connector (VGA Female)	1
Video Output Connector (DVI Female)	1
Max. Resolution	1920x1200 60Hz
Cable Distance (Single end)	12 m (Max.)
Input Signal Type	Standard VGA Signal
Output Signal Type	Standard DVI Signal
Power Adapter (Min.)	DC 9V 600mA
Housing	Metal
Weight	305g
Dimensions (LxWxH) mm	128x75x29

### Note:

Different cable quality might effect upon the maximum resolution and cable distance.

## Technical Specifications Input/Output Signal



Pin #	Signal	Pin #	Signal
1	T.M.D.S Data 2-	16	Hot Plug Detect
2	T.M.D.S Data 2+	17	T.M.D.S Data 0-
3	T.M.D.S Data 2/4 Shield	18	T.M.D.S Data 0+
4	T.M.D.S Data 4-	19	T.M.D.S Data 0/5 Shield
5	T.M.D.S Data 4+	20	T.M.D.S Data 5-
6	DDC Clock	21	T.M.D.S Data 5+
7	DDC Data	22	T.M.D.S Clock Shield
8	Analog Vert. Sync	23	T.M.D.S Clock+
9	T.M.D.S Data 1-	24	T.M.D.S Clock-
10	T.M.D.S Data 1+		
11	T.M.D.S Data 1/3 Shield	C1	Analog Red
12	T.M.D.S Data 3-	C2	Analog Green
13	T.M.D.S Data 3+	C3	Analog Blue
14	+5V Power	C4	Analog Horz Sync
15	GND	C5	Analog Ground

### FRONT VIEW



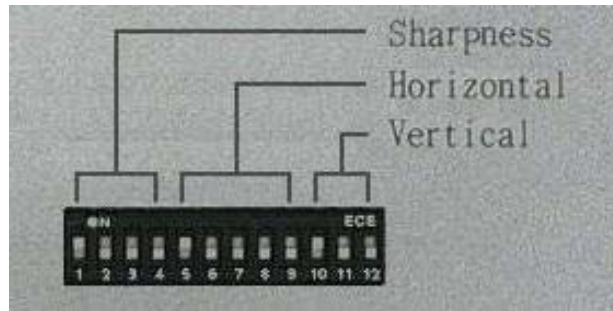
1. Power LED
2. "VGA In" Port

### REAR VIEW



1. "DVI Out" Port
2. Input Power Jack

## BOTTOM VIEW



1. Sharpness adjust (1~4)
2. Horizontal adjust (5~9)
3. Vertical adjust (10~12)

## Installation

1. Turn off the PC and monitor.
2. Connect the VGA male extension cable between the PC and the "VGA In" port of VD-101W.
3. Connect the DVI male extension cable between the monitor and the "DVI Out" port of VD-101W.
4. Connect the power cord and turn on the VD-101W.
5. Turn on the PC and digital monitor or projector.

## Support VGA mode

Analog	Resolution	Frequency(Hz)
VGA	640x480	60 / 72 / 75 / 85
VGA	720x400	70 / 85
SVGA	800x600	56 / 60 / 72 / 75 / 85
WVGA	848x480	60
XGA	1024x768	60 / 70 / 75 / 85
SXGA	1152x864	75
SXGA	1280x768	60RB / 75 / 85
WXGA	1280x800	60
SXGA	1280x960	60 / 85
SXGA	1280x1024	60 / 75 / 85
WXGA	1360x768	60
SXGA+	1400x1050	60RB / 75
WXGA+	1440x900	60
SXGA+	1440x1050	60
UXGA	1600x1200	60
WSXGA+	1680x1050	60
WUXGA	1920x1080	60
WUXGA	1920x1200	60RB

## DIP Switch Settings

### Horizontal Adjust

SW5	SW6	SW7	SW8	SW9	RESULT
OFF	OFF	OFF	OFF	OFF	Left+16
OFF	OFF	OFF	OFF	ON	Left+15
OFF	OFF	OFF	ON	OFF	Left+14
OFF	OFF	OFF	ON	ON	Left+13
OFF	OFF	ON	OFF	OFF	Left+12
OFF	OFF	ON	OFF	ON	Left+11
OFF	OFF	ON	ON	OFF	Left+10
OFF	OFF	ON	ON	ON	Left+9
OFF	ON	OFF	OFF	OFF	Left+8
OFF	ON	OFF	OFF	ON	Left+7
OFF	ON	OFF	ON	OFF	Left+6
OFF	ON	OFF	ON	ON	Left+5
OFF	ON	ON	OFF	OFF	Left+4
OFF	ON	ON	OFF	ON	Left+3
OFF	ON	ON	ON	OFF	Left+2
OFF	ON	ON	ON	ON	Left+1
ON	OFF	OFF	OFF	OFF	0
ON	OFF	OFF	OFF	ON	Right+1
ON	OFF	OFF	ON	OFF	Right+2
ON	OFF	OFF	ON	ON	Right+3
ON	OFF	ON	OFF	OFF	Right+4
ON	OFF	ON	OFF	ON	Right+5
ON	OFF	ON	ON	OFF	Right+6
ON	OFF	ON	ON	ON	Right+7
ON	ON	OFF	OFF	OFF	Right+8
ON	ON	OFF	OFF	ON	Right+9
ON	ON	OFF	ON	OFF	Right+10
ON	ON	OFF	ON	ON	Right+11
ON	ON	ON	OFF	OFF	Right+12
ON	ON	ON	ON	OFF	Right+13
ON	ON	ON	ON	ON	Right+14
ON	ON	ON	ON	ON	Right+15

Adjust switch "Left + n" when screen position is right slant.  
Adjust switch "Right + n" when screen position is left slant.

### Vertical Adjust

SW10	SW11	SW12	RESULT
OFF	OFF	OFF	Down+4
OFF	OFF	ON	Down+3
OFF	ON	OFF	Down+2
OFF	ON	ON	Down+1
ON	OFF	OFF	0
ON	OFF	ON	Up+1
ON	ON	OFF	Up+2
ON	ON	ON	Up+3

Adjust switch "Up + n" when screen position is lower.  
Adjust switch "Down + n" when screen position is upper.

### Sharpness Adjust

SW1	SW2	SW3	SW4
OFF	OFF	OFF	OFF
OFF	OFF	OFF	ON
OFF	OFF	ON	OFF
OFF	OFF	ON	ON
OFF	ON	OFF	OFF
OFF	ON	OFF	ON
OFF	ON	ON	OFF
OFF	ON	ON	ON
ON	OFF	OFF	OFF
ON	OFF	OFF	ON
ON	OFF	ON	OFF
ON	OFF	ON	ON
ON	ON	OFF	OFF
ON	ON	ON	OFF
ON	ON	ON	ON

Adjust switch "Sharpness" To correct flickering text or line.

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