VGA to DVI Conversion Box

(VD-101)

USER MANUAL   V1.0
VD-101

Package Contents-
- 1 Smart View VD-101
- 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-101 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 UXGA (25-165MHz)
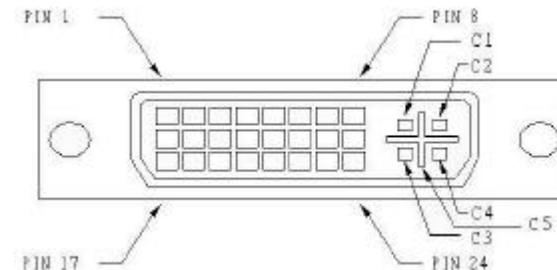- Connect PC with VGA connector to digital monitor or projector

Specifications

Function	VD-101
Video Input Connector (VGA Female)	1
Video Output Connector (DVI Female)	1
Max. Resolution	1600x1200 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	300g
Dimensions (LxWxH) mm	128x75x29

Note:
Different cable qualify might effect upon the maximum resolution and cable distance.

Technical Specifications
Input/Output Signal

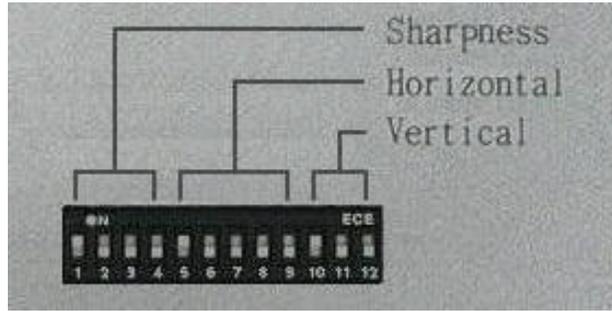| Pin #	Signal	Pin #	Signal
1	T.M.D.S Data 2-	16	Hot Plug Detect
2	T.M.D.S Data 2+	17	T.M.D.S Data 0-
3	T.M.D.S Data 2/4 Shield	18	T.M.D.S Data 0+
4	T.M.D.S Data 4-	19	T.M.D.S Data 0/5 Shield
5	T.M.D.S Data 4+	20	T.M.D.S Data 5-
6	DDC Clock	21	T.M.D.S Data 5+
7	DDC Data	22	T.M.D.S Clock Shield
8	Analog 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-101.
3. Connect the DVI male extension cable between the monitor and the "DVI Out" port of VD-101.
4. Connect the power cord and turn on the VD-101.
5. Turn on the PC and digital monitor or projector.

Support VGA mode

Analog	Resolution	Frequency(Hz)
VGA70	720x400	70
VGA	640x480	60 / 75
SVGA	800x600	60 / 75 / 85
XGA	1024x768	60 / 75 / 85
SXGA	1280x1024	60 / 75 / 85
UXGA	1600x1200	60

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	OFF	ON	Right+13
ON	ON	ON	ON	OFF	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	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	OFF	ON
ON	ON	ON	OFF
ON	ON	ON	ON

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