

HDCVI Video Converter

User's Manual

V1.0.0

Important Safeguards and Warnings

Please read the following safeguards and warnings carefully before using the product in order to avoid damages and losses.

Note

- Do not expose the device to lampblack, steam or dust. Otherwise it may cause fire or electric shock.
- Do not install the device at position exposed to sunlight or in high temperature. Temperature rise in device may cause fire.
- Do not expose the device to humid environment. Otherwise it may cause fire.
- The device must be installed on solid and flat surface in order to guarantee safety under load and earthquake. Otherwise, it may cause device to fall off or turnover.
- Do not place the device on carpet or quilt.
- Do not block air vent of the device or ventilation around the device. Otherwise, temperature in device will rise and may cause fire.
- Do not place any object on the device.
- Do not disassemble the device without professional instruction.

Warning

- Please use battery properly to avoid fire, explosion and other dangers.
- Please replace used battery with battery of the same type.
- Do not use power line other than the one specified. Please use it properly. Otherwise, it may cause fire or electric shock.

Special Announcement

- This manual is for reference only.
- All the designs and software here are subject to change without prior written notice.
- All trademarks and registered trademarks are the properties of their respective owners.
- If there is any uncertainty or controversy, please refer to the final explanation of us.
- Please visit our website for more information.

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1 Product Overview

1.1 Product Features

- Self-adaptive output HDCVI, HDMI, VGA, CVBS signal.
- Lossless, real time, non-compression.
- Support 2 dial switches and indicate 4 Baud rate 2400b/s, 4800b/s, 9600b/s and 115200b/s.
- LED status indicator shows the working condition of video converter.
- Fully enclosed dustproof design

1.2 Typical Application

The typical application of HDCVI video converter is shown in Figure 1-1



Figure 1-1

Note:

- VGA, HDMI Port :
When input CVI video format is 720P, output is 720P/60.
When input CVI video format is 1080P, output is 1080P/60.
- CVBS Port :
When input CVI is 25frame, 50frame, output is PAL format.
When input CVI is 30frame, 60frame, output is NTSC format.
Fixed aspect ratio, output according to 4:3.

2 Device Structure

2.1 Front Panel

The front panel of HDCVI video converter is shown in Figure 2-1.

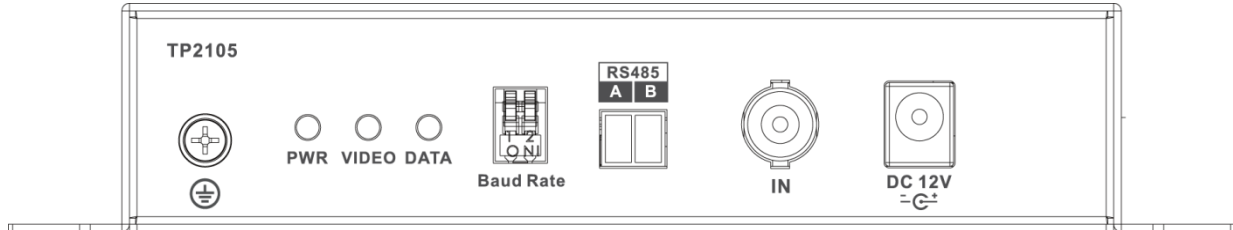


Figure 2-1

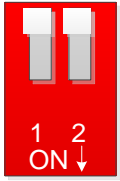
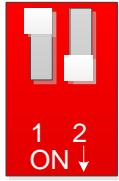
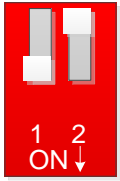
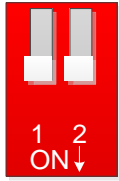
For indicator, please refer to sheet 2-1. For ports, please refer to sheet 2-2. For Baud rate, please refer to sheet 2-3.

Indicator	Description	Color	Status
PWR	Power status indicator	Green	Power connection is normal
VIDEO	BNC video output indicator	Green	Video input is normal
DATA	RS485 data transmission indicator	Flashing Green	Transmitting data

Sheet 2-1

Port	Description
Baud Rate	Baud rate dial switch
RS485	RS485 control data
IN	HDCVI video input port
DC 12V	Power port, DC12V 1A

Sheet 2-2

Dial switch	Baud rate	Dial switch	Baud rate
	9600b/s		4800b/s
	2400b/s		115200b/s

Sheet 2-3

2.2 Rear Panel

The rear panel of HDCVI video converter is shown in Figure 2-2

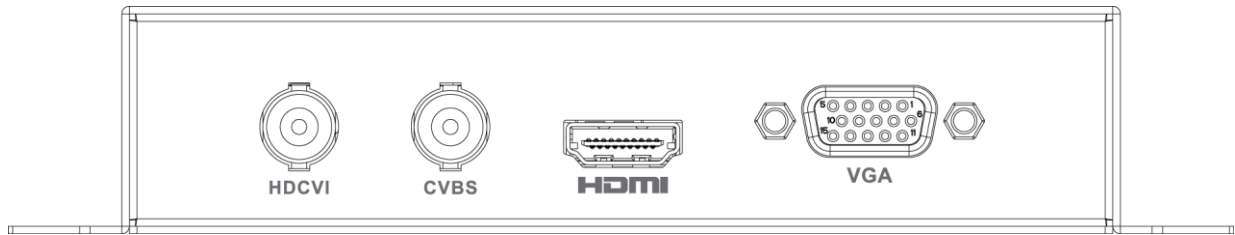


Figure 2-2

For ports, please refer to sheet 2-4.

Port	Description
HDCV1	HDCVI video output
CVBS	CVBS video output
HDMI	HDMI video output
VGA	VGA video output

Sheet 2-4

Appendix 1 Technical Specifications

Technical Parameter	TP2105
Physical Port	
Function Port	1*BNC input, 2*BNC output (1*HDCVI, 1*CVBS) , 1*HDMI, 1*VGA, 1*RS485
Dial Switch	2 dial switch indicate 4 Baud rate 2400b/s、4800b/s、9600b/s、115200b/s
General Parameter	
Indicator	Power, data, video source indicator
Power	DC12V 1A
Power Consumption	≤8W
Working Humidity	10%~90%
Working Temperature	- 10℃~55℃
Unit Weight	200g
Dimension	162mm×136.4mm×30mm

Appendix 2 Toxic or Hazardous Materials or Elements

Component Name	Toxic or Hazardous Materials or Elements					
	Pb	Hg	Cd	Cr VI	PBB	PBDE
Circuit Board Component	○	○	○	○	○	○
Device Case	○	○	○	○	○	○
Wire and Cable	○	○	○	○	○	○
Packing Components	○	○	○	○	○	○
Accessories	○	○	○	○	○	○

O: Indicates that the concentration of the hazardous substance in all homogeneous materials in the parts is below the relevant threshold of the SJ/T11363-2006 standard.

X: Indicates that the concentration of the hazardous substance of at least one of all homogeneous materials in the parts is above the relevant threshold of the SJ/T11363-2006 standard. During the environmental-friendly use period (EFUP) period, the toxic or hazardous substance or elements contained in products will not leak or mutate so that the use of these (substances or elements) will not result in any severe environmental pollution, any bodily injury or damage to any assets. The consumer is not authorized to process such kind of substances or elements, please return to the corresponding local authorities to process according to your local government statute.

Note

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