Avenview

Control Your Video

4 Input Multi-Format to DVI Scaler

NEW PRODUCT
NEW PRODUCT
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HDMI AUDIO IR VGA HDMI HDCP HD ready 1080p RoHS Compliant FC CE

Model #: SC-MLT-DVI-4

TABLE OF CONTENTS

SECTION 1: GETTING STARTED

1.1   IMPORTANT SAFEGUARDS

Please read all of these instructions carefully before you use the device. Save this manual for future reference.

What the warranty does not cover

- Any product, on which the serial number has been defaced, modified or removed.
- Damage, deterioration or malfunction resulting from:
- Accident, misuse, neglect, fire, water, lightning, or other acts of nature, unauthorized product modification, or failure to follow instructions supplied with the product.
- Repair or attempted repair by anyone not authorized by us.
- Any damage of the product due to shipment.
- Removal or installation of the product.
- Causes external to the product, such as electric power fluctuation or failure.
- Use of supplies or parts not meeting our specifications.
- Normal wear and tear.
- Any other causes which does not relate to a product defect.
- Removal, installation, and set-up service charges.

1.2   SAFETY INSTRUCTIONS

The SC-MLT-DVI-4 Multi-Format to DVI Scaler has been tested for conformance to safety regulations and requirements, and has been certified for international use. However, like all electronic equipments, the SC-MLT-DVI-4 should be used with care. Read the following safety instructions to protect yourself from possible injury and to minimize the risk of damage to the unit.

- ⚠ Do not dismantle the housing or modify the module.
- ⚠ Dismantling the housing or modifying the module may result in electrical shock or burn.
- ⚠ Refer all servicing to qualified service personnel.
- ⚠ Do not attempt to service this product yourself as opening or removing housing may expose you to dangerous voltage or other hazards
- ⚠ Keep the module away from liquids.
- ⚠ Spillage into the housing may result in fire, electrical shock, or equipment damage. If an object or liquid falls or spills on to the housing, unplug the module immediately.
- ⚠ Have the module checked by a qualified service engineer before using it again.
- ⚠ Do not use liquid or aerosol cleaners to clean this unit. Always unplug the power to the device before cleaning.

This equipment has been tested and found to comply with Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

Any changes or modifications made to this equipment may void the user's authority to operate this equipment.

Warning symbols	Description
	ONLY USE THE PROVIDED POWER CABLE OR POWER ADAPTER SUPPLIED. DO NOT TAMPER WITH THE ELECTRICAL PARTS. THIS MAY RESULT IN ELECTRICAL SHOCK OR BURN.
	DO NOT TAMPER WITH THE UNIT. DOING SO WILL VOID THE WARRANTY AND CONTINUED USE OF THE PRODUCT.
BEWARE this unit contains static sensitive devices	THE VIDEO BOARDS ARE VERY SENSITIVE TO STATIC. PLEASE ENSURE IF RACK MOUNTED OR INSTALLED ON A SURFACE, IT SHOULD BE IN A GROUNDED ENVIROMENT.

WARNING

Read & understand user guide before using this device.

Failure to follow the proper installation instructions could result in damage to the product and preventing expected results.

2.   INTRODUCTION

Avenview SC-MLT-DVI-4 Multi-Format to DVI Scaler is capable of scaling and source-switching from Composite Video, S-Video, PC (VGA) and DVI input signals to a DVI output. A corresponding analog stereo audio input can be switched and sent to the stereo audio output with the video source selection. It has the added benefit of control through front panel buttons, IR remote, or RS-232, and there is on-screen menu (OSD) providing setting selection and system information. The device provides a full range of output resolutions, up to 1080p for HDTV resolutions, and WUXGA (RB) for PC resolutions.

2.1   PACKAGE CONTENTS

Before you start the installation of the converter, please check the package contents.

1	SC-MLT-DVI-4	X 1	
2	POWER SUPPLY (5V 2.6A)	X 1	
3	IR REMOTE	X 1	
4	USER'S MANUAL	X 1	
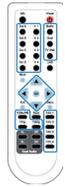
2.2   FEATURES

- Supports scaling and source-switching from Composite Video, S-Video, VGA and DVI input to DVI output;
- Supports synchronized output for input video and output audio signals;
- Supports 3D de-interlacing, noise reduction and Comb filter;
- Supports frame rate conversion;
- Supports control via RS-232, IR Remote handset and front panel.

2.3   BEFORE INSTALLATION

- Put the product in an even and stable location. If the product falls down or drops, it may cause an injury or malfunction.
- Don't place the product in too high temperature (over 50°C), too low temperature (under 0°C) or high humidity.
- Use the DC power adapter with correct specifications. If inappropriate power supply is used then it may cause a fire.
- Do not twist or pull by force ends of the video cable. It can cause malfunction.

SC-MLT-DVI-4

CABLE INDEX

- ■ DVI INPUT/OUTPUT
- ■ VGA
- ■ CVBS
- ■ S-VIDEO
- ■ RS-232
- ■ AUDIO IN/OUT 3.5MM
- ■ AUDIO IN/OUT RCA

Control station
RS-232

SC-MLT-DVI-4

Power Supply

BACK VIEW (Audio/Video Outputs)

LAPTOP
VGA SOURCE

PC TOWER
DVI SOURCE
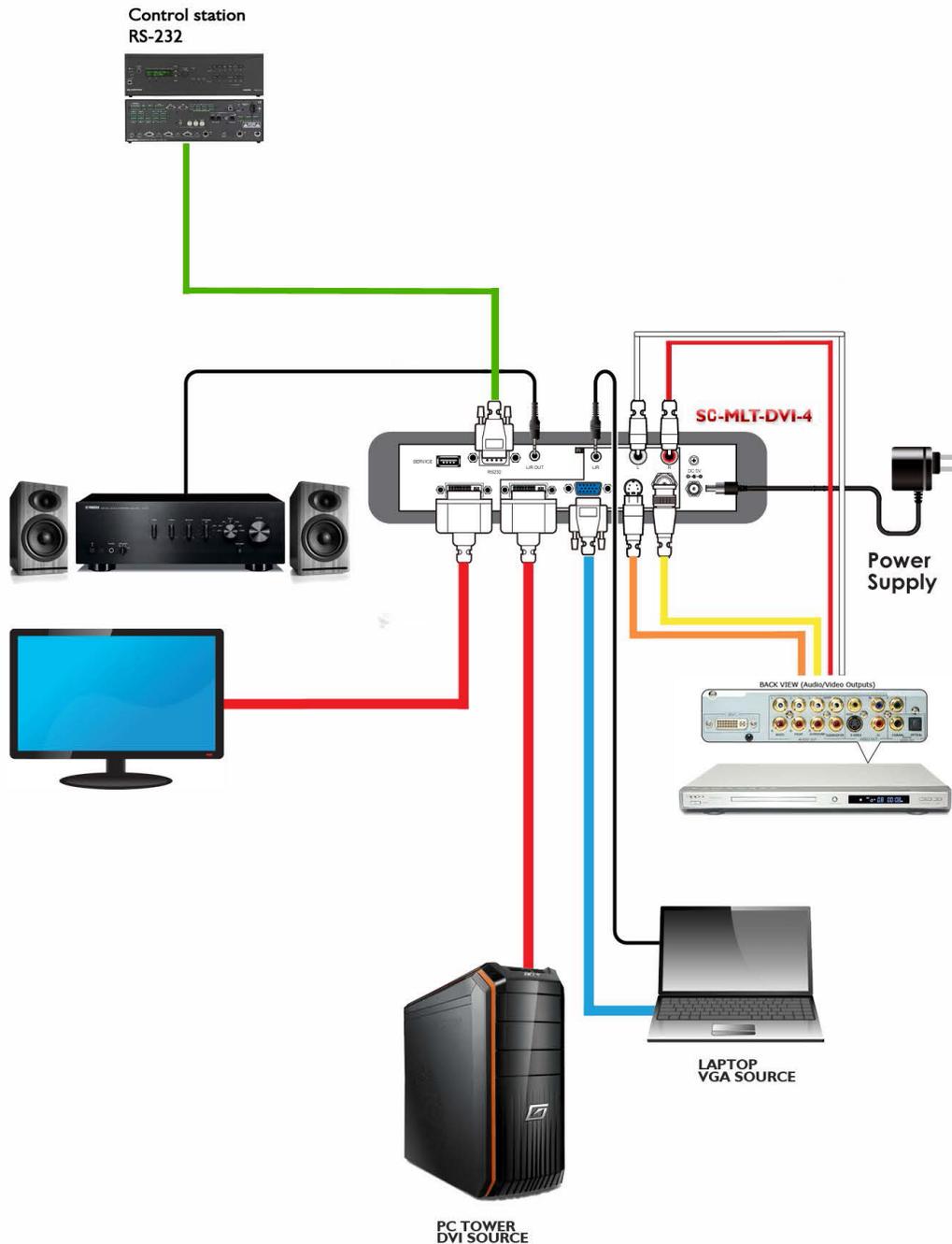
4.1 INPUT PANEL (SC-MLT-DVI-4) Front
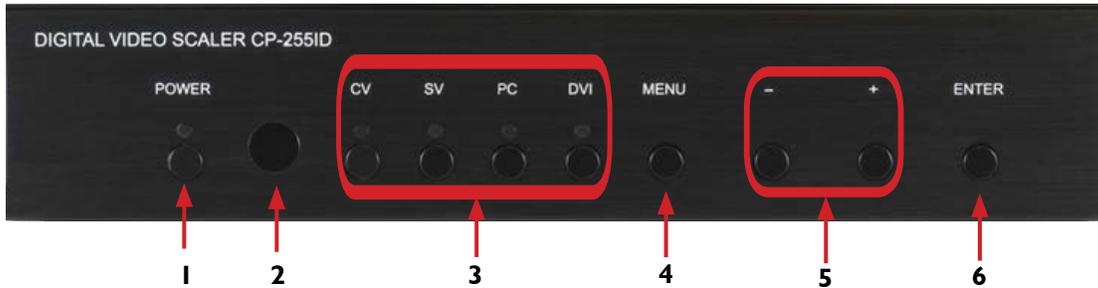
1. **POWER/LED:** Press this button to switch the device ON or to put the device into STANDBY mode. When the device is connected to an active power supply, the LED will illuminate and the device will switch ON automatically.	2. **IR WINDOW:** Receives only the IR signal from the supplied remote control.
3. **INPUT BUTTONS and LEDs:** Press to directly select the required input. An LED will illuminate to indicate the currently selected source.	4. **MENU**: Press this button to enter into the on-screen menu (OSD).
5. **−/+ (Minus/Plus)**: Use these buttons to navigate down and up in the on-screen menu.	6. **ENTER:** Press this button to confirm the selection.

Note:

Pressing '−' (MINUS) and ENTER simultaneously will immediately switch the output resolution of the device to 720p60.

Pressing '+' (PLUS) and ENTER simultaneously will immediately switch the output resolution of the device to XGA.

4.2 INPUT PANEL (SC-MLT-DVI-4) Rear

1.	**SERVICE:** Reserved for manufacturer use only.	2. **RS-232:** Connect a single HDMI HD Monitor/ Displays to view inputs connected.
3.	**DVI OUT:** Connect to a DVI display (TV/monitor) for PC signal output or to an HDMI display with an HDMI to DVI adaptor.	4. **L/R OUT (3.5mm Mini-jack):** Connect to an amplifier or active speaker for audio output in analog stereo with a 3.5 mm Mini-jack cable.
5.	**IPNUTS:** **DVI:** Connect to DVI source such as PC or Laptop or to a HDMI source with a HDMI to DVI adaptor. **PC:** Connect to a PC or Laptop with a D-sub 15-pin cable. **CV and L/R:** Connect to a source device such as video/DVD player for both video and audio. **SV and L/R:** Connect to a source device such as video/DVD player for both S-Video and audio. **L/R:** Connect to a source device's analog (L/R) output with a 3.5mm Mini-jack cable.	6. **POWER:** Connect the 5 V DC power supply to the device and plug the adaptor into an AC wall outlet.

1. **POWER BUTTON:** Press this button to switch the device ON or to put the device into STANDBY mode.

2. **CV/SV/PC/DVI:** Press to directly select the required input.

3. **EXIT:** Press this button to exit the menu or the current selection in the on-screen menu.

4. **MENU:** Press this button to enter the on-screen menu.

5. **RESET:** Press this button to return the device to the factory default settings.

6. **AUTO ADJUST:** Press the button to optimize the positioning of the picture (picture centering) on the screen.

7. **NAVIGATION BUTTONS:** ▶/◀/▼/▲/OK Press OK to confirm the selection or use the directional buttons to navigate the on-screen menus.
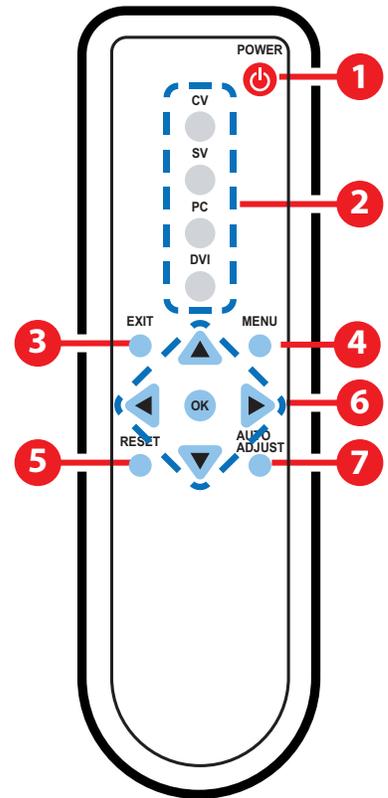
6. SPECIFICATIONS

Item	Description
UNITS	SC-MLT-DVI-4
UNIT DESCRIPTION	4 Input Multi-Format to DVI Scaler
INPUT RESOLUTION SUPPORT	Up to 1080p & WUXGA (RB)
OUTPUT RESOLUTION SUPPORT	Up to 1080p & WUXGA (RB)
VIDEO BANDWIDTH	165 MHz
INPUT PORTS	1×DVI, 1×VGA, 1×S-Video, 1×Composite Video, 1×Analog Stereo (L/R), 1×3.5mm Mini-jack, 1×RS-232, 1×USB (Service Only)
OUTPUT PORTS	1×DVI, 1×3.5mm Mini-jack
AUDIO SUPPORT	LPCM 2CH, 6CH, 8CH/AC3/DTS/Dolby Digital Plus/ Dolby TruHD & DTS-HD
CHASSIS COLOR	Black
CHASSIS MATERIAL	Metal
WEIGHT	2 lbs
DIMENSIONS (L X W X H)	8.5" x 6.5" x 1.8"
POWER SUPPLY	5V/2.6A DC (US/EU standards, CE/FCC/UL certified)
POWER CONSUMPTION	5.7 W

Environmental

Item	Description
OPERATING TEMPERATURE	32˚ ~ 104˚F (0˚ to 40˚C)
STORAGE TEMPERATURE	-4˚ ~ 140˚F (-20˚ ~ 60˚C)
RELATIVE HUMIDITY	20~90% RH (no condensation)

Notes

Avenview Warranty Certificate

AVENVIEW CORP. ("Avenview") warrants Avenview-branded product(s) contained in the original packaging against defects in materials and workmanship when used normally in accordance with Avenview's enclosed manual guidelines for a period of THREE (3) YEARS from the date of original retail purchase - Warranty Period. Avenview's published guidelines include but are not limited to information contained in technical specifications, user manuals and service communications.

LABOR: During the Warranty Period of THREE (3) YEARS, Avenview will repair or replace the product(s) at no cost using new or used parts equivalent to novel performance and reliability if the product(s) is determined to have abide by Avenview's published guidelines. Cost of Labor applicable to product(s) after Warranty Period. For labor costs, please contact support@avenview.com.

PARTS: During the Warranty Period of of THREE (3) YEARS, Avenview will supply new or rebuilt replacements in exchange for defective parts of the product(s) at no cost if the product(s) is determined to have abide by Avenview's published guidelines. Cost of Parts applicable to product(s) after Warranty Period. For part(s) costs, please contact support@avenview.com.

To obtain Warranty: (a) proof of purchase in the form of a bill of sale or receipted invoice reflecting that the registered product(s) is within warranty period must be presented to obtain warranty service; (b) product(s) must be registered at time of purchase. Failure to do so will result in applicable parts and labor charges. Returning product(s) must be shipped in Avenview's original packaging or in packaging pertaining equal degree of protection to Avenview's. Both Avenview and purchaser are responsible for freight charges and brokerages when shipping the product(s) to the receiver.

NOT COVERED BY THIS WARRANTY

This warranty does not apply to any non-Avenview branded product(s); non-registered Avenview product(s). This warranty does not apply: (a) to cosmetic damage, including but not limited to scratches, dents and broken cords; (b) to damage caused by use with another product; (c) to damage caused by accident, abuse, misuse, liquid contact, fire, earthquake or other external cause; (d) to damage caused by operating the Avenview product(s) outside Avenview's manuals or guidelines; (e) to damage caused by service performed by anyone who is not a representative of Avenview or an Avenview authorized personnel; (f) to defects caused by normal wear and tear or otherwise due to the normal aging of the Avenview product(s), or (g) if any serial number has been removed or defaced from the Avenview product(s).

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Some states do not allow the inclusion or limitation of incidental or consequential damages, or allow limitations on duration implements of the Warranty Period; therefore the above limitations or exclusions may not be applicable to you. This warranty gives you specific legal rights, and you may have other rights which vary from state to state.

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TECHNICAL SUPPORT

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