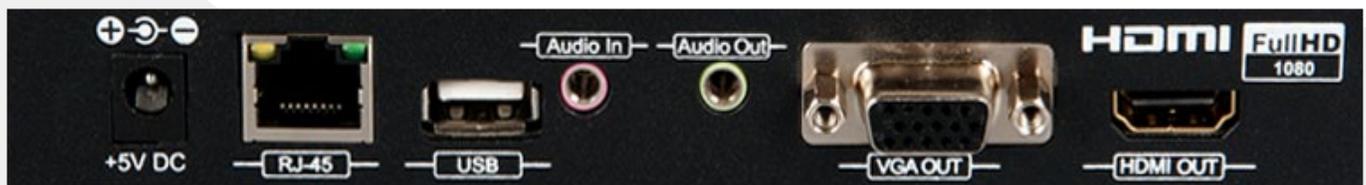




AV Connectivity, Distribution And Beyond...

VIDEO WALLS VIDEO PROCESSORS
VIDEO MATRIX SWITCHES
EXTENDERS SPLITTERS WIRELESS
CABLES & ACCESSORIES

Remote Screen/Print Sharing Extender over WIFI / LAN with KVM



Model #: HDM-SHAREPRO-IP

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Product Application & Market Sectors



Corporate



House Of Worship



Military



Residential



Education



Industrial



Medical



Aviation



TABLE OF CONTENTS

1.	GETTING STARTED	1
1.1	IMPORTANT SAFEGUARDS.....	1
1.2	SAFETY INSTRUCTIONS	1
1.3	REGULATORY NOTICES FEDERAL COMMUNICATIONS COMMISSION (FCC)	2
1.4	INTRODUCTION	3
1.5	PACKAGE CONTENTS	4
1.6	BEFORE INSTALLATION.....	4
1.7	DEVICE DESCRIPTION & LAYOUT.....	5
	FRONT PANEL & REAR PANEL (Transmitter, HDM-C6IP-S).....	5
1.8	INSTALLATION A	6
1.9	INSTALLATION B.....	7
1.10	INSTALLATION OF DRIVER AND CONTROL SOFTWARE	8
1.11	CONTROL SOFTWARE	9
1.12	DISCONNECT SOFTWARE	11
2.	GENERAL TROUBLESHOOTING.....	12
2.	SPECIFICATIONS.....	13
3.	SPECIFICATIONS.....	13
3.	PIN & WIRING STANDARD DEFINITION.....	14



SECTION I: GETTING STARTED

I.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.

I.2 SAFETY INSTRUCTIONS

The Avenview HDM-SHAREPRO-IP, RJ45 to HDMI Converter has been tested for conformity to safety regulations and requirements, and has been certified for international use. However, like all electronic equipment's, the HDM-SHAREPRO-IP 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.



1.3 REGULATORY NOTICES FEDERAL COMMUNICATIONS COMMISSION (FCC)

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
	<p>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.</p>
	<p>DO NOT TAMPER WITH THE UNIT. DOING SO WILL VOID THE WARRANTY AND CONTINUED USE OF THE PRODUCT.</p>
	<p>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.</p>

	<p>⚠ WARNING</p> <p>Read & understand user guide before using this device.</p> <p>Failure to follow the proper installation instructions could result in damage to the product and preventing expected results.</p>
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2. INTRODUCTION

HDM-SHAREPRO-IP is an ideal networking display solution; it allows multiple users on the same Ethernet network to access the display without physically connect their computer directly to the display! The product supports ONLY ONE connection at a time. Users can now enjoy their favorite multimedia content stored on their computer from anywhere in their home or office. HDM-SHAREPRO-IP also act as a display extender that supports up to 1920*1080 resolutions with primary display, mirror desktop and extended desktop video modes!

- Support 1080p Video over TCP/IP,LPR,DHCP,UPnP
- Support USB Keyboard and Mouse Wired/Wireless
- Supports 500mA electric current for every USB port;
- Digital Video HDMI with Audio
- Analog Video with VGA and Audio connection
- Analog 3.5mm Audio out connection
- Converts RJ45 to HDMI
- Ethernet IEEE 802.3 10Base IEEE
- Standards:802.3 10Base-T;802.3U 100Base-T
- Network Interface:10/100/1000Mbps RJ45
- Supports the resolution up to 1080p
- Allows multiple users to share a Multi-Function Print (MFP) over a network to print, scan, and fax from any networked computer;
- Supports Windows 7,Vista and XP



2.1 PACKAGE CONTENTS

Before you start the installation of HDM-SHAREPRO-IP, please check the STANDARD package contents.

1	HDM-SHAREPRO-IP	X 1	
2	POWER ADAPTER (5VDC)	X 1	
3	USER'S MANUAL	X 1	
4	INSTALLATION DISC	X 1	

2.2 BEFORE INSTALLATION

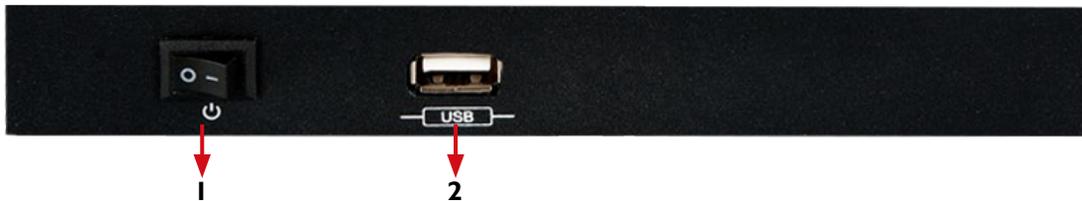
- Put the product in an even and stable location. If the product falls down or drops, it may cause an injury or malfunction.
- Don't place the product in too high temperature (over 50°C), too low temperature (under 0°C) or high humidity.
- Use the DC power adapter with correct specifications. If inappropriate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



2.3 DEVICE DESCRIPTION & LAYOUT

This product is composed of a Converter RJ45 to HDMI

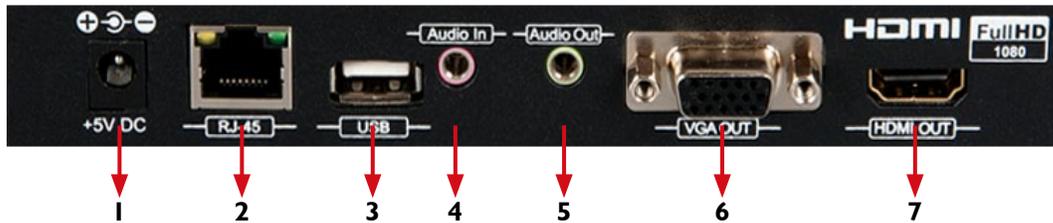
2.3.1 Front Panel (Transmitter, HDM-C6IP-S)



1. Power ON/OFF Switch

2. USB Port

2.3.2 Rear Panel (Transmitter, HDM-C6IP-S)



1. **+5V DC:** Connect to 5V DC power supply

2. **CAT/6:** Plug in a CAT6 cable that is connected to your router on the same IP Network

3. **USB INPUT:** Connect ANY mouse/keyboard wired/wireless adapter.

4. **3.5mm Jack:** Stereo audio INPUT connection for VGA connection.

5. **3.5mm Jack:** Stereo audio OUTPUT connection for VGA connection.

6. **VGA:** Connects to VGA Monitor with a male-male cable.

7. **Device ID:** To identify multiple units in cascademode

Note: Preferred CAT6 and Gigabit 10/1000 Router to ensure HD 1080p resolution without delay in transmission

Important Before starting the insulation please ensure that all devices are powered OFF



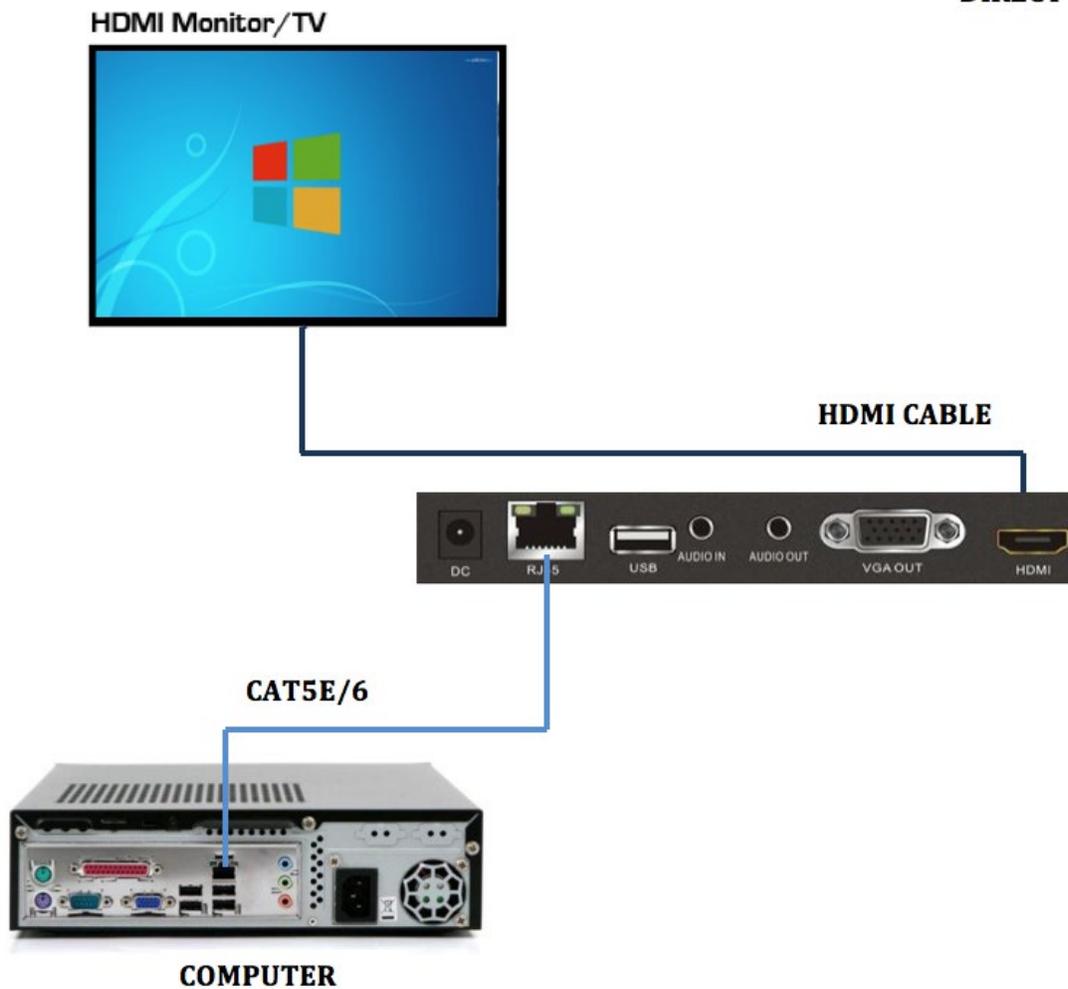
3. INSTALLATION A

Please ensure all the package contents are all received.

To setup Avenview HDM-SHAREPRO-IP follow these steps for connecting directly to a Monitor as a CONVERTER:

1. Connect Converter to CPU with RJ45 cable; follow the standards of TIA-568BLAN
2. Connect your HDMI OR VGA display (such as a LCD TV/PLASMA) to the HDMI OR VGA Port on the HDM-SHAREPRO-IP.
3. Make sure CAT-5E/6 LAN cable is tightly connected and not loose.
4. Plug in 5V DC power cord to the power jack of the transmitting unit HDM-SHAREPRO-IP.

DIRECT CONNECTION



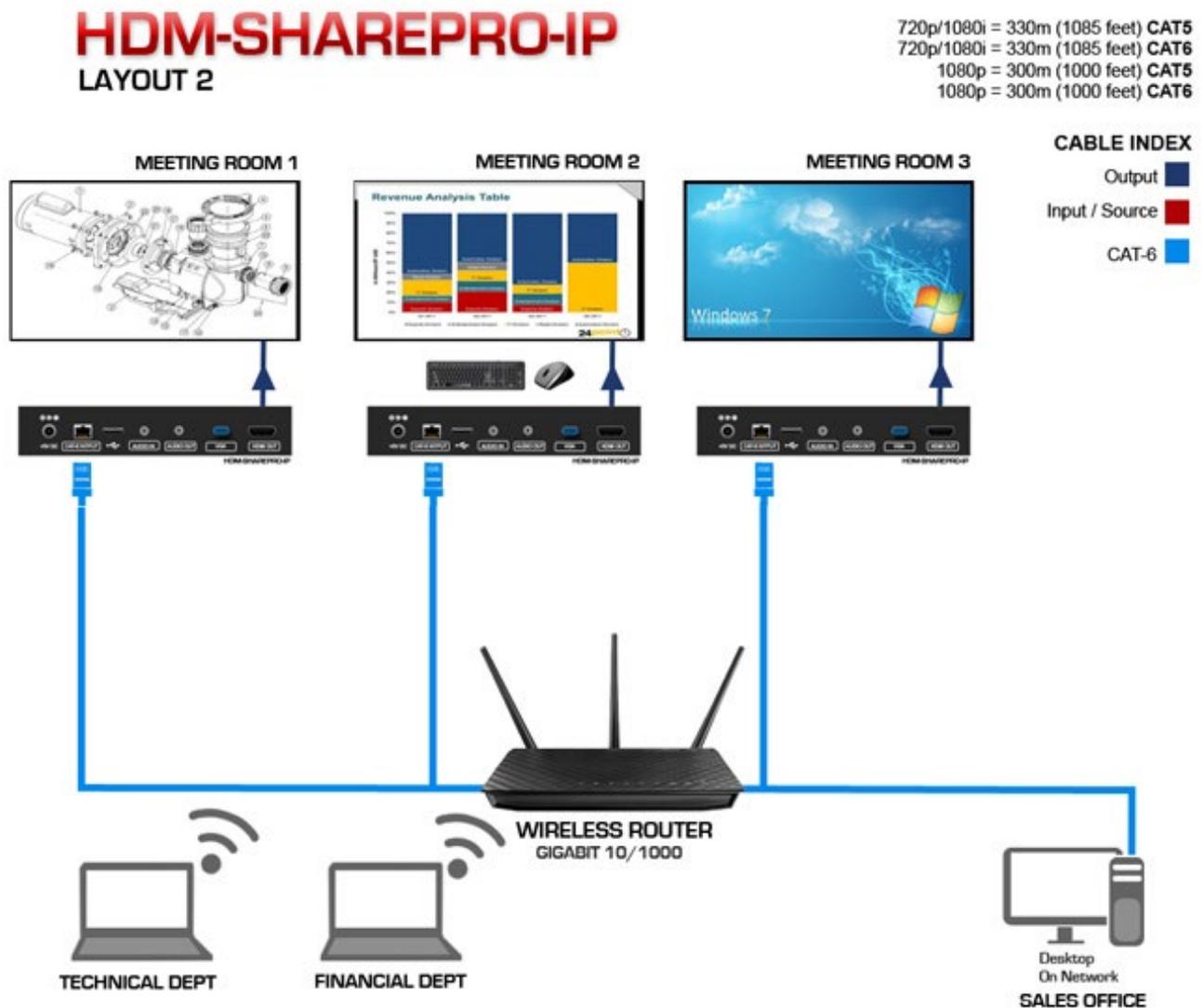
3.1 INSTALLATION B

Please ensure all the package contents are all received.

To setup Avenview HDM-SHAREPRO-IP follow these steps for connecting to a Remote Monitor.

1. Connect HDM-SHAREPRO-IP to Wireless or Wired Router with RJ45 cable at the desired Monitor; follow the standards of TIA-568BLAN
2. Connect your HDMI OR VGA display (such as a LCD TV/PLASMA) to the HDMI OR VGA Port on the HDM-SHAREPRO-IP.
3. Make sure CAT-5E/6 LAN cable is tightly connected and not loose.
4. Plug in 5V DC power cord to the power jack of the transmitting unit HDM-SHAREPRO-IP.

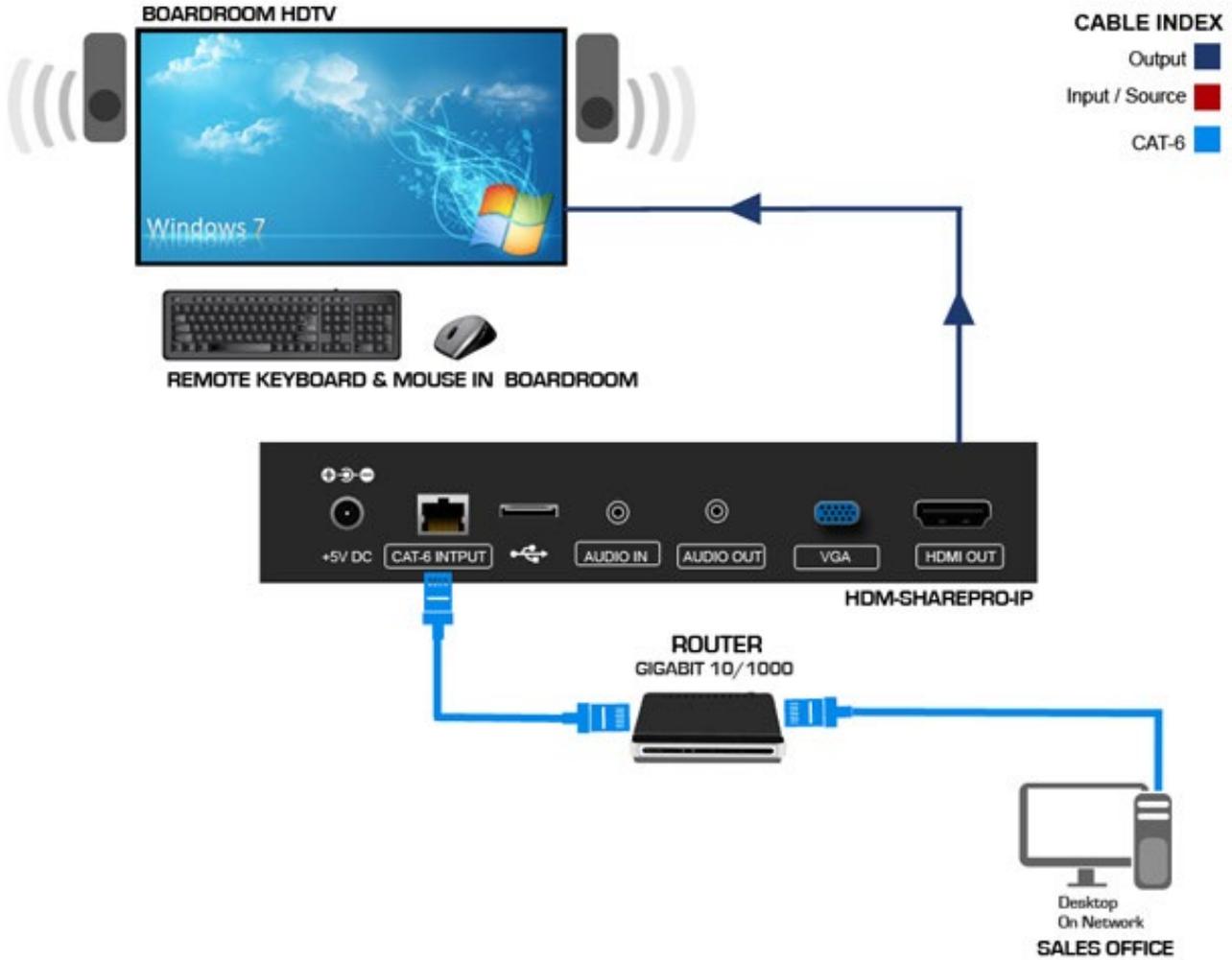
BOTH OFFICES CAN USE THIS PRODUCT ONCE THE SOFTWARE IS INSTALLED (NB: One at a Time)



HDM-SHAREPRO-IP

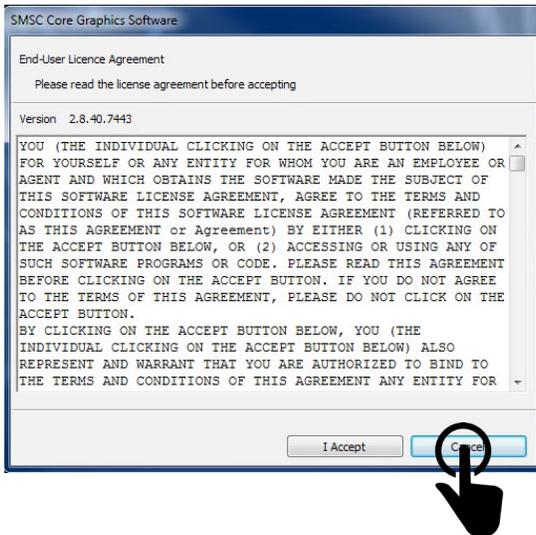
LAYOUT 1

720p/1080i = 330m (1085 feet) CAT5
 720p/1080i = 330m (1085 feet) CAT6
 1080p = 300m (1000 feet) CAT5
 1080p = 300m (1000 feet) CAT6

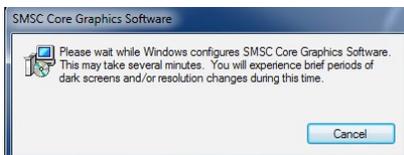
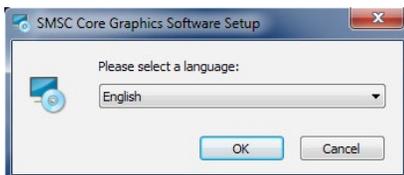


3.2 INSTALLATION OF DRIVER AND CONTROL SOFTWARE

Insert Disk and run the Driver.exe file



Select your preferred Language.



From Disk run the Software.exe file

Accept and wait for install to be completed automatically
When completed restart the computer.

You will experience brief periods of dark screens and /or resolution changes during this time.



4. CONTROL SOFTWARE

Step 1.



Double-click ICON USB Server file:

On first use, click search and then the software will search the HDM-SHAREPRO-IP automatically.

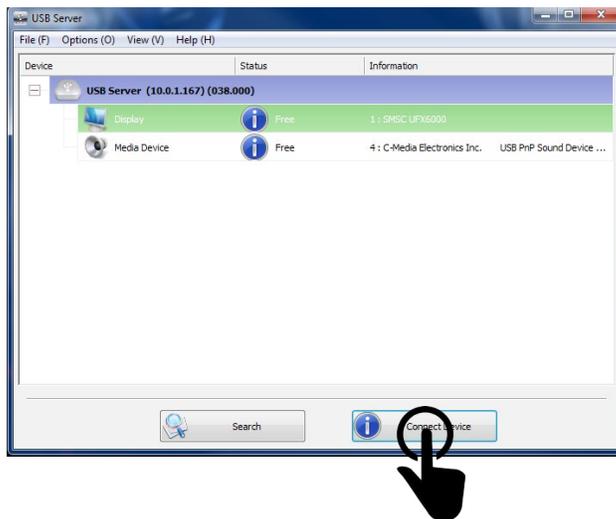
System will display video converter searched out

Click : (The preferred device to be connected-**DISPLAY** or **MEDIA DEVICE**)

Click B: (connect the device), the converter will be automatically connected.

Note :(*The system will set up the driver automatically for the first connection*) connect the required one by one.

Note :(*It is normal if the display is black for seconds in this process.*)



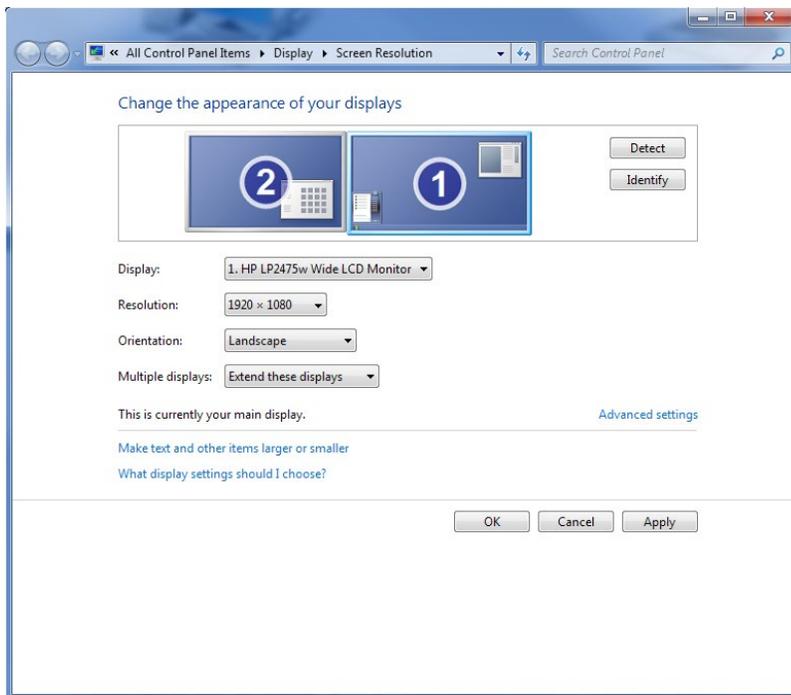
Either or Both Selected



Step 2.

Open Control Panel/Display/Screen Resolution, the HDMI output resolution can be set.

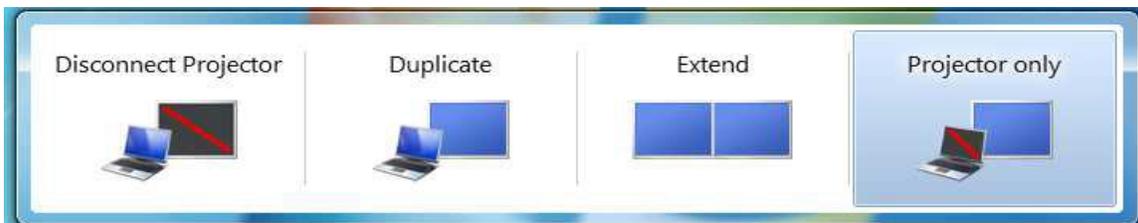
Take Windows 7 as example:



- A. Select the display that needs to adapt. 1 Display is input computer and 2 Display is output device by default.
- B. Set up the resolution
- C. Set up the display direction
- D. Set up the display mode

Note: Short-cut Function: Press "Win + P" to see the following images.

From left to right, Computer only, Duplicate, Extend and Projector only. You can easily switch display mode.



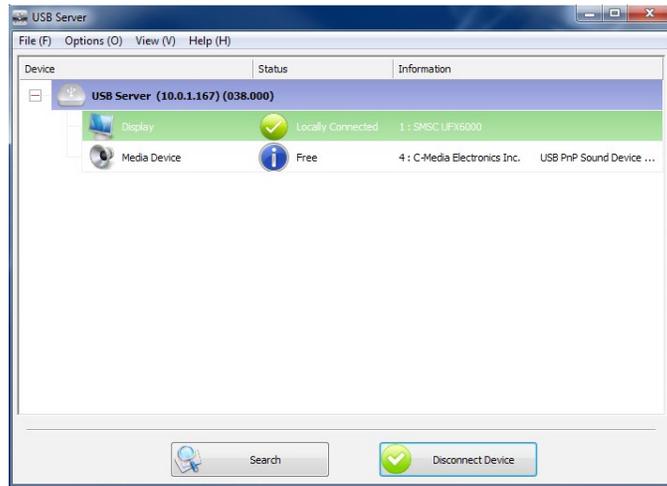
From left to right, Computer only, Duplicate, Extend and Projector only. You can easily switch display mode.

Short-cut function cannot be applied by some computers due to compatibility



4.1 DISCONNECT SOFTWARE

- A. Select the device
- B. Click the button to disconnect the chose device.



*If the software refuses to disconnect, please power off the converter.
Make sure to store all files before power off.*



5. SPECIFICATIONS

PROBLEM	POSSIBLE SOLUTION
NO VIDEO OUTPUT	<ul style="list-style-type: none">• Please make sure that all cables properly connected.• Please disconnect the connectivity in software and re-connect or re-install the driver.
NO AUDIO OR MOUSE RESPONSE	<ul style="list-style-type: none">• The connectivity will be always disturbed by unstable network.• Please disconnect the connection of audio and mouse in software.
DISPLAY WILL SHOW “BE SURE TO DISCONNECT THE DEVICE AND EXIT?” WHEN USB SERVER IS CLOSED.	<ul style="list-style-type: none">• Power off the converter or re-boot the computer.
CONNECT VGA AND HDMI OUTPUT SIMULTANEOUSLY, BUT VGA NO DISPLAY	A: Please select VGA or HDMI output before the converter is powered on.



6. SPECIFICATIONS

ITEM	DESCRIPTION
UNITS	HDM-SHAREPRO-IP
UNIT DESCRIPTION	RJ45 TO HDMI CONVERTER
HDMI COMPLIANCE	Full HD
HDCP COMPLIANCE	Yes
SUPPORTED RESOLUTIONS	480i@60Hz, 480p@60Hz, 576i@50Hz, 576p@50Hz, 720p@50/60Hz, 1080i@50/60Hz, 1080p@50/60Hz
AUDIO SUPPORT	Stereo Audio
PRINTER SUPPORT	Multi-Function Print (MFP) over a network from any networked computer;
USB SUPPORT	Wired or Wireless Keyboard Mouse/Supports 500mA electric current 2x USB
INPUT	1 × 3.5mm Audio, 2 × USB, 1 × RJ45
OUTPUT	1 × VGA + 3.5mm Stereo Audio 1 × HDMI + 1 × 3.5mm
HDMI CONNECTOR	Type A (19 pin female)
RJ45 CONNECTOR	WE/SS 8P8C with 2 LED indicators
POWER ADAPTER	1 × DC 5V/1A
POWER CONSUMPTION	3W Max Each
DIMENSION L X W X H	6.75" × 2.5" × 1"
WEIGHT	245g

Environmental

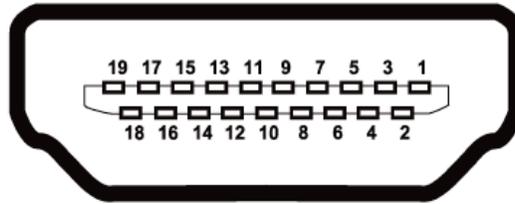
OPERATING TEMPERATURE	32° ~ 104°F (0° to 40°C)
STORAGE TEMPERATURE	-4° ~ 140°F (-20° ~ 60°C)
RELATIVE HUMIDITY	20~90% RH (no condensation)

PERFORMANCE GUIDE FOR HDMI OVER CATEGORY CABLE TRANSMISSION

PERFORMANCE RATING		TYPE OF CATEGORY CABLE		
WIRING	SHIELDING	CAT5	CAT5E	CAT6
SOLID	UNSHIELDED (UTP)	★★★	★★★★	★★★★★
	SHIELDED (STP)	★★★	★★★	★★★★
STRANDED	UNSHIELDED (UTP)	★	★★	★★
	SHIELDED (STP)	★	★	★★
TERMINATION		PLEASE USE EIA/TIA-568-B TERMINATION (T568B) AT ANY TIME		



7. PIN & WIRING STANDARD DEFINITION



TYPE A (RECEPTACLE) HDMI

Pin 1	TMDS Data2+	Pin 11	TMDS Clock Shield
Pin 2	TMDS Data2 Shield	Pin 12	TMDS Clock-
Pin 3	TMDS Data2-	Pin 13	CEC
Pin 4	TMDS Data1+	Pin 14	Reserved (N.C. on device)
Pin 5	TMDS Data1 Shield	Pin 15	SCL
Pin 6	TMDS Data1-	Pin 16	SDA
Pin 7	TMDS Data0+	Pin 17	DDC/CEC Ground
Pin 8	TMDS Data0 Shield	Pin 18	+5V Power
Pin 9	TMDS Data0-	Pin 19	Hot Plug Detect
Pin 10	TMDS Clock+		



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 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.



275 Woodward Avenue, Kenmore, NY 14217
1.866.508.0269





AV Connectivity, Distribution And Beyond...

TECHNICAL SUPPORT

CONTACT US



Phone: 1 (866) 508 0269



Email: support@avenview.com



USA Head Office Avenview Corp. 275 Woodward Avenue Kenmore, NY 14217

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