



**Structured Cable Products**  
Quality Installations Deserve Quality Products



HDMI EXTENDER OVER 5 COAXIAL CABLE  
PART #960

OPERATING INSTRUCTIONS

## Introduction

### Benefits from using SCP's 960:

- 1) The length of a HDMI cable is fixed and unchangeable after is produced. The HDMI connector can only be soldered or terminated by a professional worker in a factory environment. The user can not reduce or increase the size by themselves if there was need for it. By using coaxial cables this issue is resolved and length can be adjusted by the user or installer.
- 2) By using the **SCP 960**, the transmission distance for 1080P reaches 100 meters. In the other hand, HDMI cables must be customized when the length reaches over 10 meters.
- 3) **SCP's HDMI Extender 960** has the ability to auto adjust the buffering and amplifying. Series connection of the **SCP 960** achieve long distance transmissions of HDMI signals. When two pairs or more **SCP 960s** are stacked together, they can be used to create a larger distribution or daisy chained.
- 4) The IR system can control the sources from the termination.

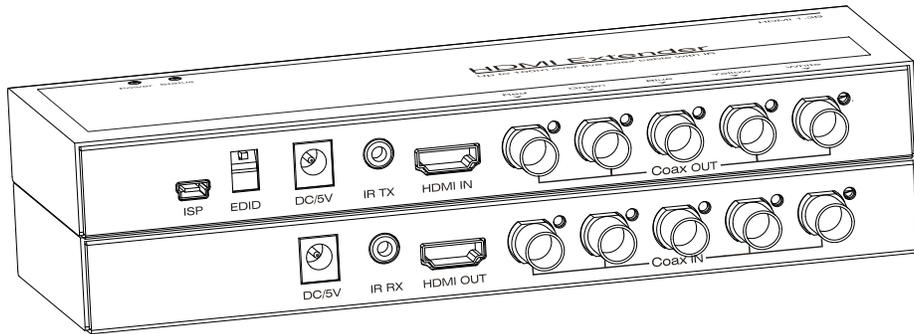
The **HDMI Extender 960** offers various solutions for its use including digital entertainment centers, HDTV, retail setups, show/convention sites, HDTV, STB, DVD, Projector factories, data center control, information distribution centers, conference room presentations, school and corporate training environments.



## Contents

• Product Overview	4
• Features	4
• Package Contents	6
• Connections and Operations	6
• Specifications	7
• Panel Descriptions	8
• Typical Application	9
• Maintenance	9
• Product Service	9
• Provided Service	9
• Mail-In Service	10
• Warranty	10
• Warranty Limits And Exclusions	10

## PRODUCT OVERVIEW



## FEATURES

- Very simple operation of the one pair as a full functional module.
- Use five coaxial cables to substitute HDMI cable to achieve long distance transmissions.
- Transmission distance reaches up to 100 meters under 1080p video format.
- Auto-adjustment of feedback, equalization and amplification.
- HDMI® High Speed / HDMI v1.3b supported.
- HDCP compliant.
- Each port supports HDMI or DVI inputs.
- LED indicators show power and video signal status.
- ESD protection inside.
- Mounting ears supplied.
- Transfer Infrared control signal together with the HDMI signal.
- Capable of being cascaded.

Structured Cable Products reserves the right to make changes in the hardware, packaging and any accompanying documentation without prior written notice.

**Warning:**

To reduce the risk of fire, electric shock or product damage:



**1.** Do not expose this apparatus to rain, moisture, dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.



**6.** Clean this apparatus only with dry cloth.



**2.** Do not install or place this unit in a bookcase, built-in cabinet or in another confined space. Ensure the unit is well ventilated.



**7.** Unplug this apparatus during lightning storms or when unused for long periods of time.



**3.** To prevent risk of electric shock or fire hazard due to overheating, do not obstruct the unit's ventilation openings with newspapers, tablecloths, curtains, and similar items.



**8.** Protect the power cord from being walked on or pinched particularly at plugs.



**4.** Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.



**9.** Only use attachments / accessories specified by the manufacturer.



**5.** Do not place sources of naked flames, such as lighted candles, on the unit.



**10.** Refer all servicing to qualified service personnel.

## Package Contents

- Main unit. 960-A.
- Main unit. 960-B.
- Mounting ears.
- Operating instructions.
- 2x 5VDC power supply .(One for 960-A,one for 960-2).
- IR TX unit (IR emitter cable) for 960-A.
- IR RX unit (IR receiver cable) for 960-B.

## Connections and Operations

- 1) Connect the HDMI input source ( such as HD-DVD, PS3, STB etc. )into SCP's 960-A
- 2) Connect five coaxial cables to both the outputs of 960-A and inputs of 960-B. Please pay attention that the right connection of the two cables match the colors.
- 3) Connect the HDMI output such as HD-LCD, HD-DLP into 960-B.
- 4) Connect the IR TX UNIT into 960-A IR TX; Connect the IR RX UNIT into 960-B IR RX.
- 5) DIP switch description.

NOTE: DIP switch from left to right match Position 1, Position 2 in the table below. ON: 1, OFF: 0

Position.1	Position.2	Functions
0	0	Copy EDID from the specific sink (note1)
0	1	1080P stereo (Using Embedded EDID) (note2)
1	0	1080P 5.1 (Using Embedded EDID) (note3)
1	1	1080P 7.1(Using Embedded EDID) (note4)

**Note1:** In this mode, the EDID data of the sink device such as TV set will be passed to the HDMI source without any changing.

**Note2:** The extender will use the embedded 1080P-stereo EDID when the DIP switch is in this mode. The EDID will be 1080P video and stereo audio.

**Note3:** The extender will use the embedded 1080P-5.1 EDID when the DIP switch is in this mode. The EDID will be 1080P video and 5.1 audio.

**Note4:** The extender will use the embedded 1080P-7.1 EDID when the DIP switch is in this mode. The EDID will be 1080P video and 7.1 audio.

- Attention: Please insert and extract cables gently.

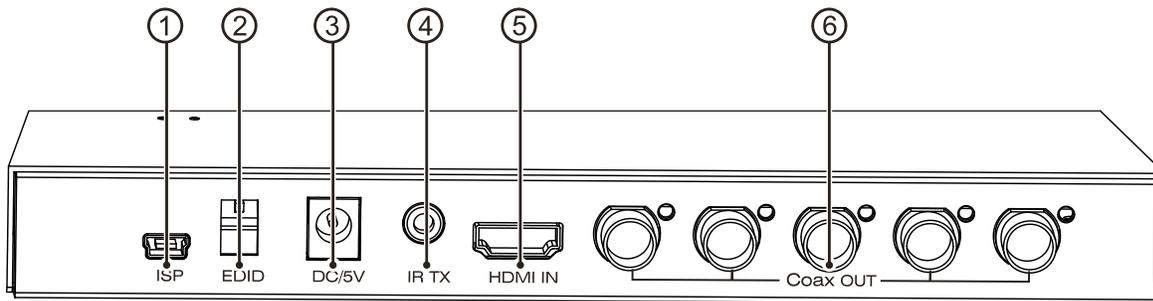
## Specifications

Operating Temperature Range	-5 to +35°C (-41 to +95 °F)
Operating Humidity Range	5 to 90 % RH (no condensation)
Input Video Signal	0.5-1.0 volts p-p
Input DDC Signal	5 volts p-p (TTL)
Video Format Supported	DTV/HDTV; 1080P/1080i/720P/576P/480P/576i/480i
Output Video	HDMI 1.3+HDCP□repeat the source to the sink□,support 3D video of HDMI1.4, support deepcolor.
Output Audio	Support DTS-HD, Dolby-HD□repeat the source to the sink□
Maximum Transmission Distance	100m
Power Supply	5VDC
Power Consumption	1.5Watts (Max.)
Dimensions	207mmH×71mmW×24mmD /1.8"W×3.3"H×0.9"D
Mass (Main unit)	0.8Kgs (Pairs)/1.16lb
IR frequency	30□60KHZ

**NOTE:** Specifications are subject to change without notice. Mass and dimensions are approximate.

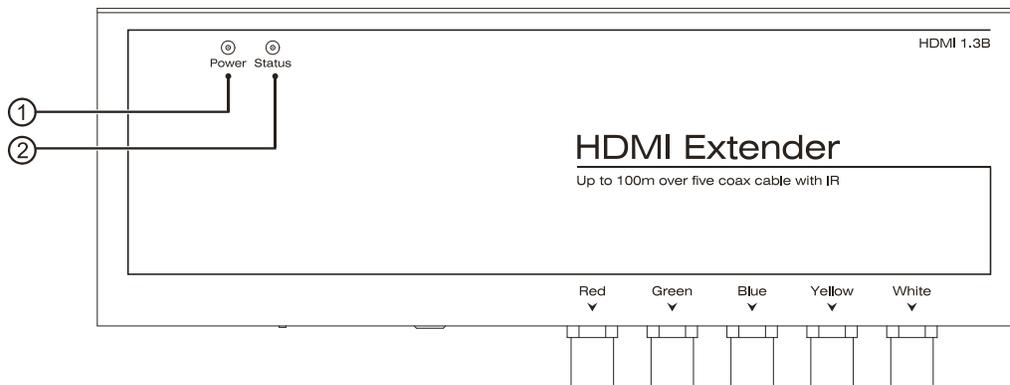
## Panel Descriptions

### Front Panel



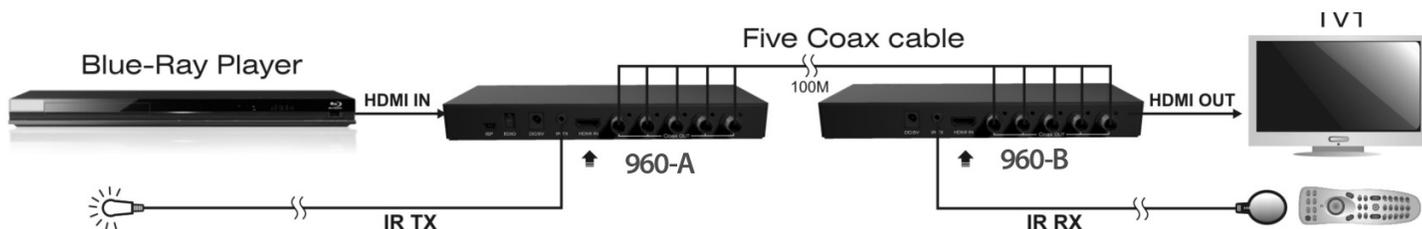
- 1- ISP, for update the firmware of the product.
2. DIP switch, for EDID setting.
3. Power input, 5VDC .
4. IR TX output.
5. HDMI input.
6. Coaxial outputs.

### Back Panel



1. Status of power input. When power input on, the LED inside lights.
2. Status of signal connection. When this works well, the LED inside lights.

## Typical Application



### Maintenance

Clean this unit with a soft, dry cloth. Never use alcohol, paint thinner or benzene to clean this unit.

## **Product Service**

### Provided Service

1) **Damage Requiring service:** The unit should be serviced by qualified service personnel if:

- The DC power supply cord or AC adaptor has been damaged;
- Objects or liquids have gotten into the unit;
- The unit has been exposed to rain;
- The unit does not operate normally or exhibits a marked change in performance;
- The unit has been dropped or the cabinet damaged.

2) **Servicing Personnel:** Do not attempt to service the unit beyond that described in these operating instructions. Refer all other servicing to authorized servicing personnel.

3) **Replacement parts:** When parts need replacing ensure the service uses parts specified by the manufacturer or parts that have the same characteristics as the original parts. Unauthorized substitutes may result in fire, electric shock, or other hazards.

4) **Safety check:** After repairs or service, ask the service to perform safety checks to confirm that the unit is in proper working condition.

**Mail-In Service**

When shipping the unit, carefully pack and send it prepaid, adequately insured and preferably in the original carton. Include a letter detailing the complaint and provide a daytime phone and/or email address where you can be reached.

If repair is needed during the limited warranty period the purchaser will be required to furnish a sales receipt/proof of purchase indicating date of purchase, amount paid and place of purchase. Customer will be charged for the repair of any unit received without such proof of purchase.

**Warranty**

If your product does not work properly because of a defect in materials or workmanship, Structured Cable Products, Inc (referred to as "the warrantor") will, for the length of the period indicated as below, Parts (1) Year Labor (90) Days which starts with the date of original purchase ("Limited Warranty period"), at its option either (a) repair your product with new or refurbished parts, or (b) replace it with a new or a refurbished product. The decision to repair or replace will be made by the warrantor.

During the "Labor" Limited Warranty period there will be no charge for labor. During the "Parts" warranty period, there will be no charge for parts. You must mail-in your product during the warranty period. This Limited Warranty is extended only to the original purchaser and only covers product purchased as new. A purchase receipt or other proof of original purchase date is required for Limited Warranty service.

**Warranty Limits And Exclusions**

1) This Limited Warranty ONLY COVERS failures due to defects in materials or workmanship, and DOES NOT COVER normal wear and tear or cosmetic damage. The Limited Warranty ALSO DOES NOT COVER damages which occurred in shipment, or failures which are caused by products not supplied by the warrantor, or failures which result from accidents, misuse, abuse, neglect, mishandling, misapplication, alteration, faulty installation, set-up adjustments, maladjustment of consumer controls, improper maintenance, power line surge, lightning damage, modification, or service by anyone other than a Factory Service Center or other Authorized Service, or damage that is attributable to acts of God.

2) There are no express warranties except as listed under "limited warranty coverage". The warrantor is not liable for incidental or consequential damages resulting from the use of this product, or arising out of any breach of this warranty. (As examples, this excludes damages for lost time, cost of having someone remove or re-install an installed unit if applicable, travel to and from the service location, loss of or damage to media or images, data or other recorded content. The items listed are not exclusive, but are for illustration only.)

3) Parts and service, which are not covered by this limited warranty, are your responsibility.

Thank you for your purchase.

We appreciate your business. Please contact us with any questions or comments you might have.

**STRUCTURED CABLE PRODUCTS**

6228 Hiatus Road, Tamarac FL 33321 USA

Tel: (954) 327-5770 - Fax: (954) 327-8176

Email: [sales@scpcat5e.com](mailto:sales@scpcat5e.com) • <http://www.scpcat5e.com>