SOLUTIONS FOR GROWTH

n - TECH SOLUTIONS

nT13AX11 / CLUX - 12E

4K UHD+ 1×2 HDMI Splitter

Operation Manual

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Safety Precautions

Please read all instructions before attempting to unpack or install or operate this equipment, and before connecting the power supply. Please keep the following in mind as you unpack and install this equipment:

Always follow basic safety precautions to reduce the risk of fire, electrical shock and injury to persons.
To prevent fire or shock hazard, do not expose the unit to rain, moisture or install this product near water.
Never spill liquid of any kind on or into this product.
Never push an object of any kind into this product through module openings or empty slots, as you may damage parts.
Do not attach the power supply cabling to building surfaces.
Do not allow anything to rest on the power cabling or allow it to be abused by persons walking on it.
To protect the equipment from overheating, do not block the slots and openings in the module housing that provide ventilation.

Revision History

Version No	Date	Summary of Change
VR0	20110216	Power Adaptor Spec. Change

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1. Introduction

The HDMI Distribution Amplifier Series is the most advanced solution to HDMI signal distribution. Each product in this series is compatible with HDMI specifications, a cutting-edge technology which defines the supports to transfer Deep Color (10-bit and 12-bit) video and new lossless compressed (Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio) digital audio, with a high bandwidth up to 225MHz (6.75Gbps). Besides splitting and distributing, the HDMI DA series also does signal amplification and equalization, so as to provide high performance I/O of audio and video.

2. Features

HDCP1.1 and DVI1.0 compliant Receiver.

Deep color video up to 12bit, 1080p@(24/60)Hz.

One HDMI source which connect up to two HDMI displays simultaneously.

HDCP keysets allows each output to work independently when connecting to a HDMI display.

Splits a HDMI source up to two outputs without signal loss.

Supports DVI source and DVI display by using HDMI to/from DVI adaptor cable.

Dolby Digital, DTS digital audio transmission (32-192 kHz Fs sample rate).

Supports a wide range of PC and HDTV resolutions, from VGA to UXGA and 480i to 1080p.

HDMI cable distance test with 1080p/8bits resolution the Input/Output distance can run up to 15/15 meters. with 1080p/12bits the Input/Output distance can run up to 10/15 meters.

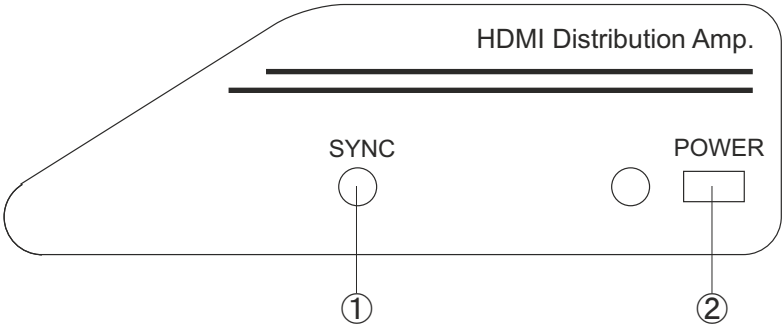
Supports EDID functionality. The unit will detect the first HDMI/DVI output source's EDID and record in the unit. If the first detected output source is empty it will pass to next source, until the first HDMI/DVI been detected. When users reconnect all the output sources or re-plug the power source,the system will automatically recover the EDID.

Supports xvYCC.

Supports CEC bypass.

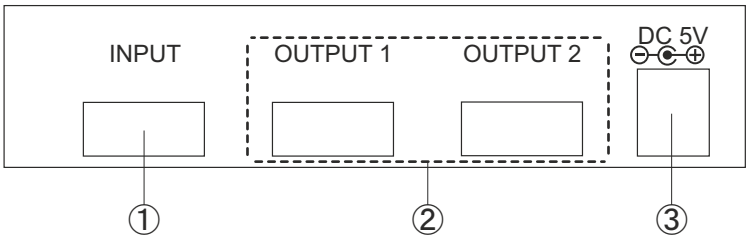
3. Operation Controls and Functions

3.1 Top Panel



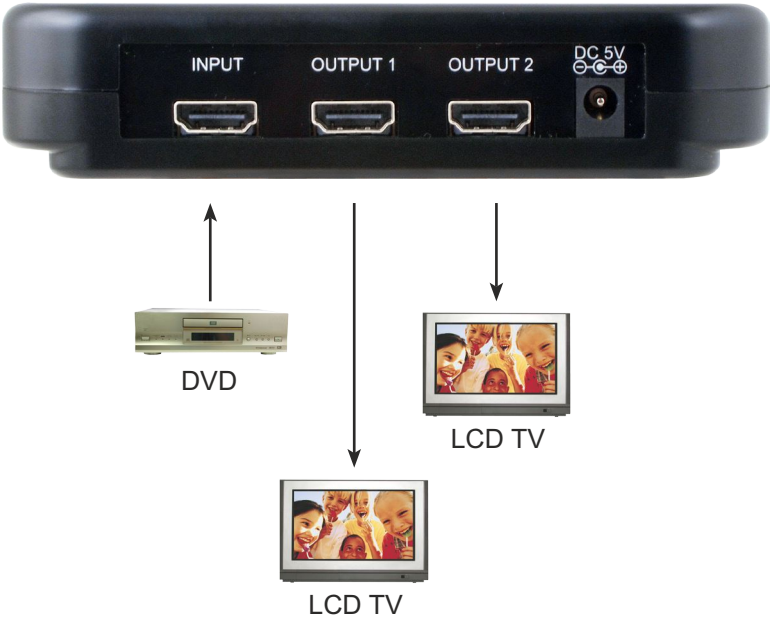
① Sync LED: The LED will illuminate when the HDMI source signal is connected to the input.
② Power LED indicator: The power LED will illuminate when power on.

3.2 Rear Panel



① HDMI Input: Connect input port to the HDMI or DVI output of your source equipment such as DVD player or set-top-box.
② HDMI output 1 and 2: Connect each of the output ports to the HDMI display.
When more than one output connected, the HDMI outputs play identical video signal simultaneously.
③ Power: Plug the 5V DC power supply into the splitter and connect the adaptor to AC wall outlet.

4. Connection and Installation



5. Specifications

Frequency Bandwidth	2.25Gbps (single link)
Input Port	1x HDMI female port (Type A connector)
Output Ports	2x HDMI female ports (signal link)
Power Supply	5V/1A linear power adaptor (US/EU standards, CE/FCC/UL certified) Or 5V/1.2A switching power adaptor (with universal plug, CE/FCC/UL certified)
Dimensions (mm)	145(W) x 90(D) x 32(H)
Weight(g)	160
Chassis Material	Plastic
Silkscreen Color	Black
Operating Temperature	0˚C ~ 40˚C

Acronyms

A

Acronym	Complete Term

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