

WOXCON

User Manual

CE-EX30DP

DisplayPort 1.2 Booster

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Version: CE-EX30DP_2019V1.1

Statement

Thanks for purchasing this product, please read this user manual carefully before using this product. The functions described in this version are updated till April, 2019. In the constant effort to improve our product, we reserve the right to make functions or parameters changes without notice or obligation.

Safety Precaution

- Do not dismantle the housing or modify the module to avoid electrical shock or burn.
- Using supplies not meeting the products' specifications may cause damage, deterioration or malfunction.
- Do not expose the unit to rain, moisture or install this product near water.
- Install the device in a place with fine ventilation.
- Do not twist or pull by force ends of the optical cable. It can cause malfunction.
- Do not use liquid or aerosol cleaners to clean this unit.
- Always unplug the power to the device before cleaning.
- Unplug the power when not used for a long period of time.
- Refer all servicing to qualified service personnel.

After-Sales Service

We provide limited warranty for the product within three years.

Introduction

The CE-EX30DP is a DisplayPort 1.2 booster designed to extend 4k×2K@60Hz 4:4:4 signal from source to display up to 10m, 4k×2K@30Hz 4:4:4/1080p up to 30m over DP cables.

Feature

- Compliant to the VESA DisplayPort 1.2 standard.
- Supports Dual-mode DP (DP++).
- The total transmission distance of 4k@60Hz 4:4:4 signal is up to 10m, and the maximum distance from DP output to display supports 5m.
- The total transmission distance of 4k@30Hz 4:4:4/1080p signal is up to 30m, and the maximum distance from DP output to display supports 15m.
- DP++ source repeater based on AUX Channel and DDC combiner.
- Built-in redriver and retimer for fixing jitter.
- Powers down when no sink or display connected.
- Automatic equalization adjustment.
- External 5V DC power supply.
- ESD: HBM 8KV.

Package Content

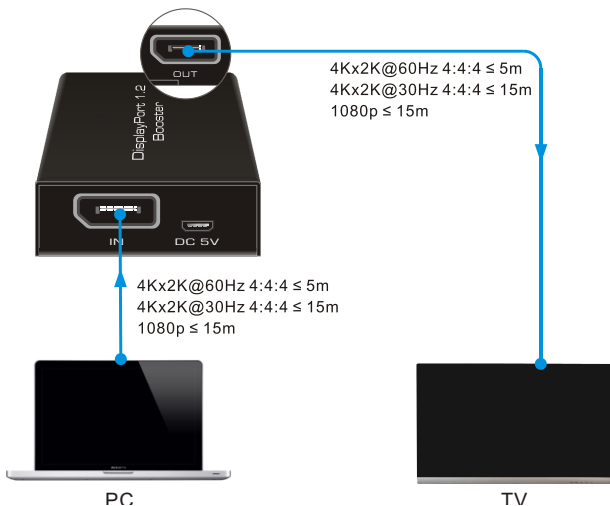
- 1x CE-EX30DP
- 1x User Manual
- 1x Power Adapter (5V DC 1A Micro-USB to USB-A)

Panel Description



- ① IN: Connect with DP source.
- ② DC 5V: Micro-USB port for power adaptor connection.
- ③ Power LED: GREEN when powered on.
- ④ OUT: Connect with DP display.

System Diagram



Specifications

Input & Output	
Input	(1) DP
Input Connector	(1) DisplayPort
Output	(1) DP
Output Connector	(1) DisplayPort
General	
Transmission Distance (From Source to Display)	4Kx2K@60Hz 4:4:4 ≤ 10m; 4Kx2K@30Hz 4:4:4 ≤ 30m; 1080p ≤ 30m
Video Resolution	Up to 4K@60Hz 4:4:4
DP Standard	1.2, DP++
Bandwidth	18Gbps
Power Supply	Input: AC 100~240V, 50/60Hz, Output: 5V DC 1A
Max Power Consumption	2W
Operation Temperature	-5~ +55℃
Storage Temperature	-25 ~ +70℃
Relative Humidity	10%-90%
Dimensions (W*H*D)	58.0mm x 16.5mm x 50mm
Net Weight	70g