



KA290 2 PORT DISPLAYPORT V1.4 MST SPLITTER – KAMEHA



Introduction

This 1x2 DisplayPort 1.4 Splitter is a high-performance device designed to duplicate or extend a single DP source signal to two identical displays simultaneously, with seamless signal distribution and perfect video quality. It is ideal for applications such as digital signage, presentation, game and multi-monitor setting.

Features

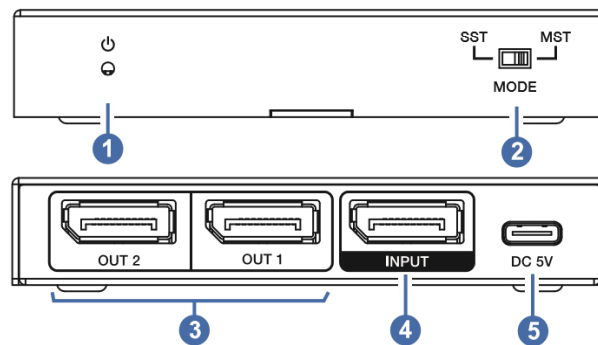
- DP 1.4 compliant
- Splits a single DP 1.4 source to two DP monitors
- True video bandwidth up to 32.4Gbps, 5.1CH surround sound, MST 1.2 with DSC are supported
- Supports 4K HDR and UHD video resolution, up to 5K60Hz, or dual 4K display
- Supports MST extending mode and SST mirror mode

*Mirror mode means the same content will be displayed on each monitor. Extending mode means the individual content will be displayed on each monitor.

Specifications

Technical	
DP Compliance	DP 1.4
HDCP Compliance	HDCP 2.2
Video Bandwidth	32.4Gbps (8.1Gbps/lane)
Video Resolution	Up to 5K@60Hz, 4K@144Hz * All available resolutions are shown as follow.
Color Depth	8/10/12bit
Color Space	RGB_4:4:4, YCbCr_4:4:4, YCbCr_4:2:2, YCbCr_4:2:0
Audio Formats	LPCM, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DTS:X, DSD
HDR	HDR10, HDR10+, HLG
ESD Protection	IEC 61000-4-2:
Input	±8kV (Air-gap discharge), ±4kV (Contact discharge)
Connection	1× DP INPUT [Type A, 20-pin female]
Input	
Output	2× DP OUT [Type A, 20-pin female]
Mechanical	
Housing	Metal
Color	Black
Dimensions	95mm [W] × 68mm [D] × 18mm [H]
Weight	175g
Power Supply	DC 5V/1A
Power Consumption	3.55W (Max)
Operation Temperature	0°C ~ 40°C / 32°F ~ 104°F
Storage Temperature	-20°C ~ 60°C / -4°F ~ 140°F
Operating Humidity	20%~80% relative humidity, non-condensing
Storage Humidity	10%~90% relative humidity, non-condensing

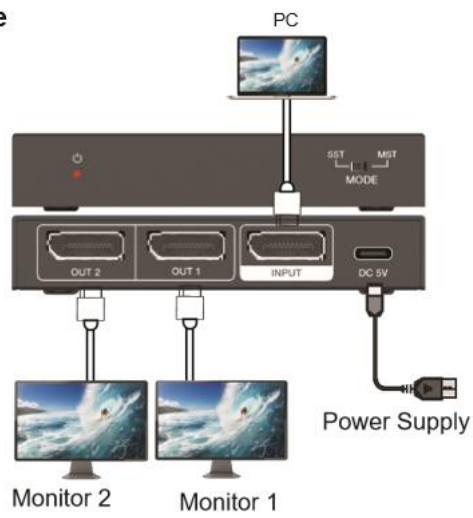
Operation Controls and Functions



No.	Name	Function Description
1	Power LED	The red LED will be on when the device is powered on.
2	MODE switch	Used to switch mode: SST Mode (Single-Stream Transport): Duplicate the DP source to two monitors. MST Mode (Multi-Stream Transport): Extend the DP source to two monitors.
3	OUT1/OUT2	DP signal output ports, connected to display devices such as TVs or Monitors with DP cable.
4	INPUT	DP signal input port, connected to DP source device with DP cable.
5	DC 5V	DC 5V/1A power input and firmware update port.

Application Example

1. SST Mode



2. MST Mode

