



SenseVision - Multi Stream Transport Hub

CSV-5300 - EAN: 8717249411918



BRIEF DESCRIPTION

Leveraging the micro-packet architecture of DisplayPort™, DisplayPort™ 1.2 adds the capability to address and drive several display devices through one DisplayPort™ connector. This feature has often been referred to as daisy-chaining or addressable displays.

The Club 3D MST hub is a hub device that receives a DisplayPort™ 1.2 MST signal from the source device and splits up and routes the video streams independently to each display device. Using this type of configuration also allows the use of non DisplayPort™ 1.2 monitors. Non DisplayPort™ outputs, such as VGA, DVI or HDMI®, the Club 3D MST hub is DP++ and can actively convert the DisplayPort™ signal to the other types of display interface signals.

Multi-display Technologies DisplayPort™ 1.2, a new display interface, boasts features such as tremendous bandwidth and daisy-chaining capabilities. Combined, these features complement the AMD Eyefinity technology multi-display technology very well.

The new MST hub display technology is part of the ecosystem in the Club 3D AMD Radeon™ graphic cards.

Supported graphic cards can be found on the following AMD RAdeon series:

- HD 5000 Series (HBR)
- HD 6000 Series (HBR2)
- HD 7000 Series (HBR2)



KEY POINTS

1. Easy configuration for adding three displays and does NOT require active adapters (DP++ compliant)
2. Perfect multi monitor solution on a budget. Plug and Play.
3. Hot plugging. Does not require shutting down the system.
4. Compatible to all existing DisplayPort graphic cards and notebooks¹
5. Best with AMD Radeon™ Graphics²
6. Best with AMD A-series APU's³
7. AMD Eyefinity Technology ready⁴



¹ Check with your device vendor if restrictions are applied

² 5K series and above

³ DisplayPort output from mainboard is required

⁴ Supports multiple independent display outputs simultaneously, AMD Eyefinity technology delivers innovative graphics display capabilities enabling massive desktop workspaces and ultra immersive visual environments for the ultimate panoramic computing experience.

	Weight	Size
Multi Stream transport Hub	100g	78.2*60.5*18.6 mm

PRODUCT FEATURES

- Standards compliance/support: displayport v1.2, displayport v1.1a, VESA DDM
- Standard, HDCP V2.0, DisplayId, and EDID V1.4
- Supports main link rates of 5.4 bps(HBR2), 2.7 bps(HBR) and 1.62 bps(RBR) from source
- Supports 1/2/4 lanes of main link for RX side
- Supports three DP++ output port, or two dual-link DVI ports, or the combination of ports
- For DP 1.2 source, supports DP1.2 MST multi video/audio streams
- Supports 1.1 source, supports ViewXpand
- Supports DP-DP Bypass mode
- Supports AUX-CH enables SBM and I2C mapping over AUX between the source/sink and device
- Dedicated I2C slave for main processor to access the device
- Supported output resolution: up to 2560x1600@60Hz each monitor in DP1.2 MST and up to FHD/1080p in DP1.1 or DP 1.2 SST
- Input pixel data depth 6/8/10/12 bits and supports output pixel format RGB444

Club 3D recommends:

- CAC-1000 - DP to SL⁵ DVI-D
- CAC-1001 - DP to HDMI
- CAC-1002 - DP to VGA
- CAC-1050 - DP to DL⁶ DVI
- CAC-1051 - DP to DL⁶ DVI 3D
- CAC-1052 - DP to SL⁵ DVI
- CAC-1053 - DP to HDMI 3D

⁵ SL= Single Link

⁶ DL= Dual Link



Club 3D Radeon HD7770 with MST Hub

	HBR	HBR2
1366x768 @ 60Hz, 24bpp	Up to 5	Up to 6
1600x900 @ 60Hz, 24bpp	Up to 3	Up to 6
1920x1080 @ 60Hz, 24bpp	Up to 2	Up to 4
2560x1440 @ 60Hz, 24bpp	1	Up to 2

Available bandwidth and number of display devices



Illustration of two CSV-5300 on a six monitor configuration