

PANORAMA™ Application Note

Using Panorama to Distribute Sources to Displays Using Different Video Inputs

In most standard *Panorama* configurations, *NetStreams* recommends using the same video format (composite, component, or S-video) across all connected sources and displays. In some configurations, it is desirable to use a mix of composite and S-video formats. This application note outlines how to use *Panorama* to distribute multiple sources using a mix of composite and S-video formats.

Panorama is a matrix video switcher. The type of signal that is input to *Panorama* is the same type that comes out of the video port. For example, if the first source uses composite, the display must also use composite. If the display is connected to the video port using S-video, it will be unable to display the first source that is using composite.

However, if a second source is using S-video, the display could use the second source. To ensure that the display can see both sources, it will be necessary to connect the display to the video port using *both* composite and S-video. Figure 1 graphically shows this concept.

Mixing video types can only be done with *Panorama* using composite and S-video signals. Component video uses all three ports which will require all sources and displays to also use component. Figure 2 graphically shows this concept.

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Products Included:

Panorama



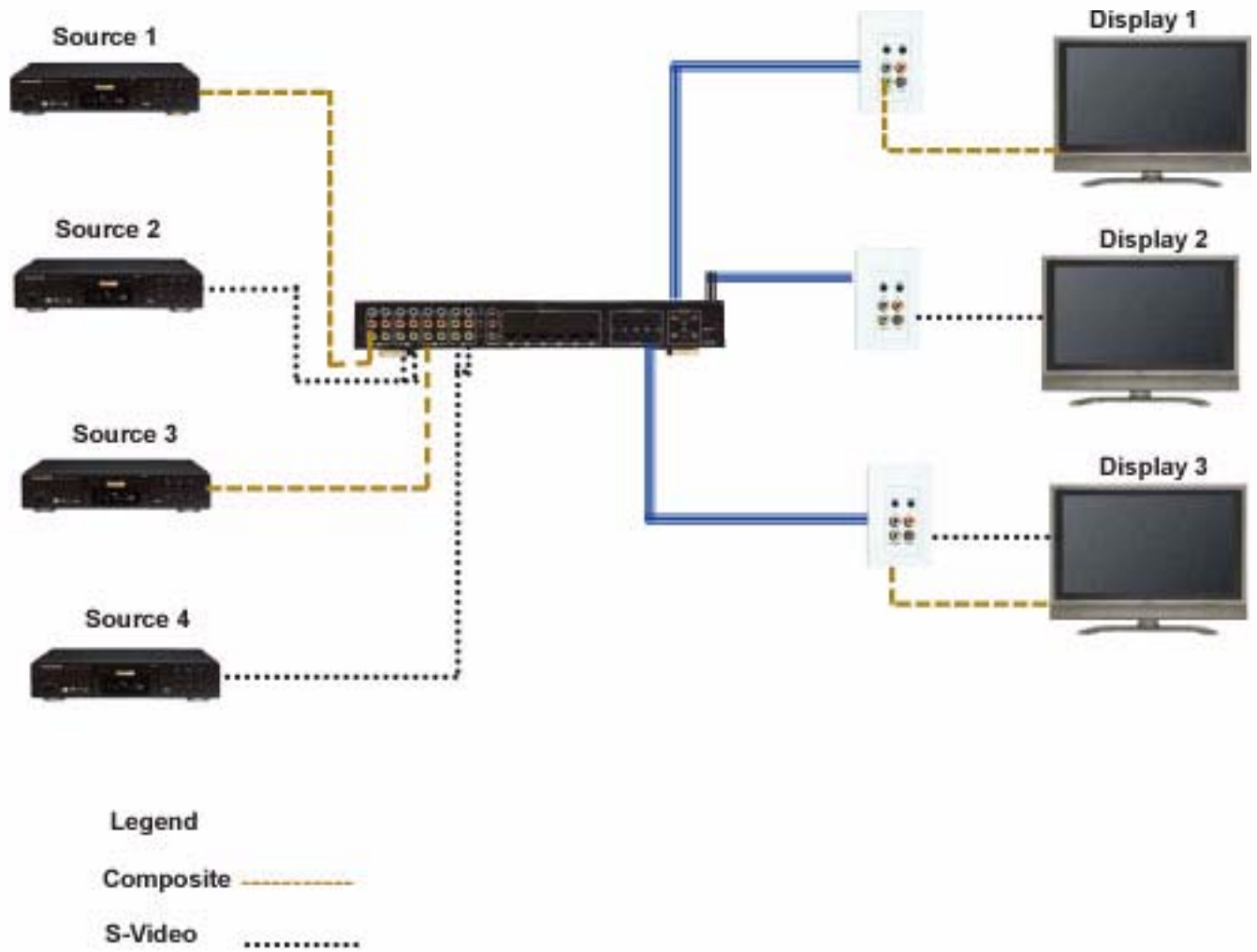


Figure 1 Using *Panorama* to Distribute Sources to Displays with S-Video and Composite Video Inputs

In this configuration:

- Display 1 can view source 1 and source 3, but NOT source 2 and source 4.
- Display 2 can view source 2 and source 4, but NOT source 1 and 3.
- Display 3 can view source 1, 2, 3, or 4.

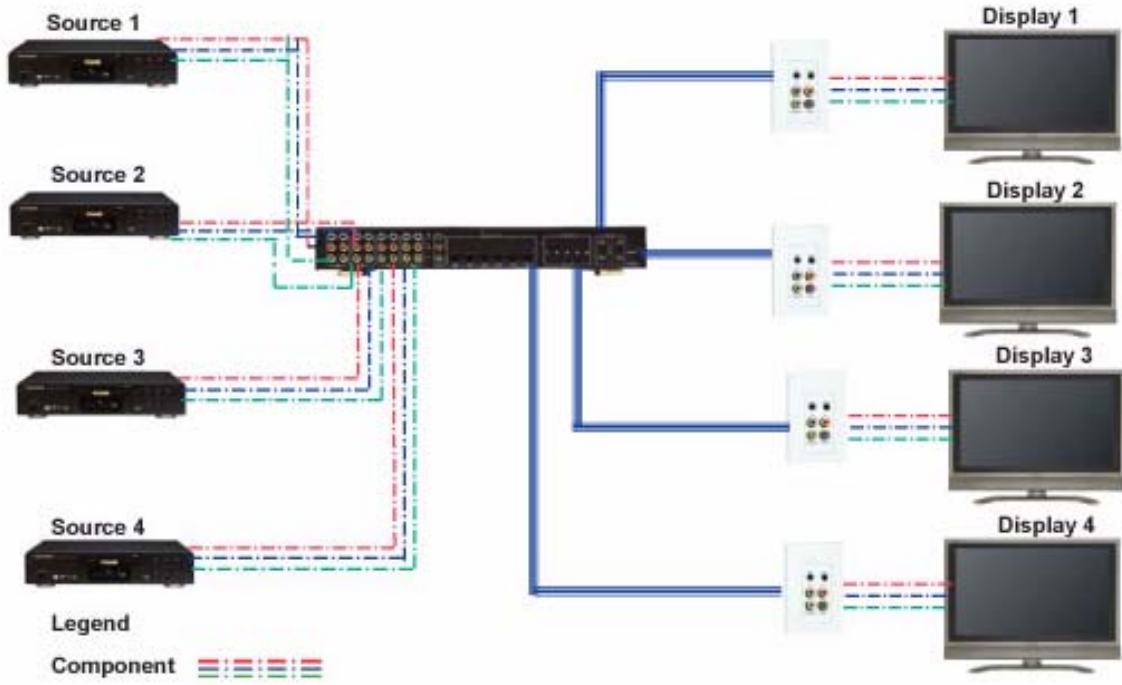


Figure 2 Using *Panorama* to Distribute Sources to Displays with Component Video Inputs

In this configuration, the wiring and system design are greatly simplified by using the same connection type on all sources and displays. In addition, component generally offers a higher video quality than composite or S-video.