

# PANORAMA™ Application Note

## Connecting Panorama PAN6400 Video Distribution Center (VDC)s to Two Video Sources on a TV

The  
IP-Based  
Distributed  
Entertainment  
Company.

Products Included:  
*Panorama PAN6400*  
*Panorama PANVP500*

This application note shows you how to connect two types of video sources at the same time to one TV with Picture in Picture (PIP) using a *PAN6400*. You might use this application to view a security camera while watching TV.

### Requirements

The following are required to connect two *PAN6400*s to one TV with PIP:

- Two *PAN6400*s,
- Two *Panorama PANVP500* Video Ports,
- Video cable for each source,
- Video cable for each *PANVP500*,
- Null Modem cable (included with the *PAN6400*),
- Two IR emitters,
- TV with PIP capability.

### Connecting Component and Composite Video

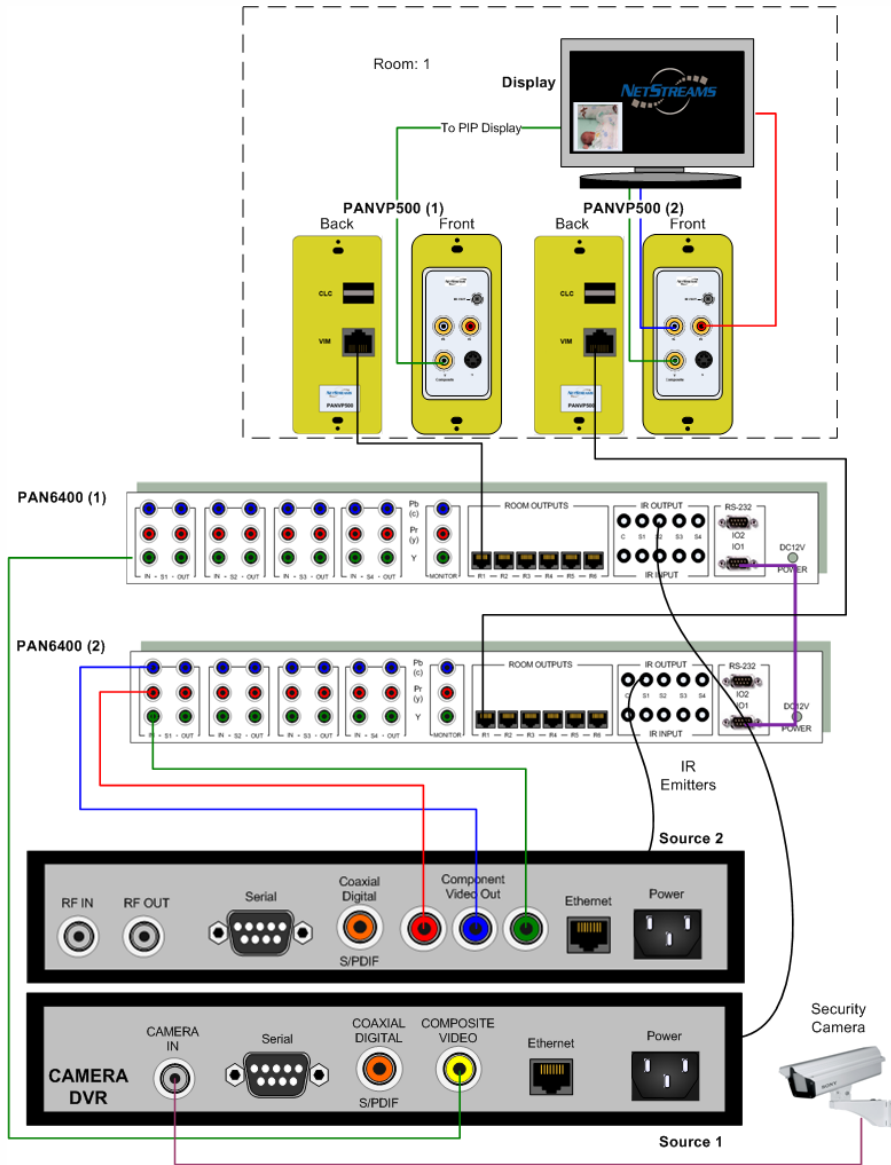
Connecting component and composite video to a PIP-enabled TV requires two *PAN6400*s. Figure 1 shows an example of how you might connect two *PAN6400*s in this configuration. Each *PAN6400* is labeled (1 or 2) for ease of reference.

To connect two *PAN6400*s to a PIP-enabled TV, complete the following steps:

1. Ensure power is turned off on all devices.
2. Connect the Component video cable from Source 1 to *PAN6400* (1).
3. Connect the alternate video cable (either composite or S-Video) from Source 2 to *PAN6400* (2).
4. Connect the IR emitter from the S1 IR output port of the *PAN6400* (1) to the front of the source.



5. Connect the IR emitter from the S1 IR output port of the PAN6400 (2) to the front of the source.
6. Connect the PAN6400 (1) RS-232 IO1 port to the PAN6400 (2) RS-232 IO1 port using the null modem cable.
7. Connect the Room Output for the PAN6400 (1) to the VIM port on the PANVP500 (1).
8. Connect the alternate video cable (either component or S-Video) from the PANVP500 (1) to the TV.
9. Connect the Room Output for the PAN6400 (2) to the VIM port on the PANVP500 (2).
10. Connect the video cable from the PANVP500 (2) to the PIP.
11. Connect the alternate video cable from the PANVP500 (2) to the TV.
12. Turn power on to the system.



**Figure 1** Connecting Component and Composite Video to a PIP-enabled TV

## Connecting S-Video and Composite Video

Connecting S-Video and composite video to a PIP-enabled TV requires one *PAN6400*. Figure 2 shows an example of how you might connect a *PAN6400* in this configuration.

To connect a *PAN6400* to a PIP-enabled TV, complete the following steps:

1. Ensure power is turned off on all devices.
2. Connect the S-Video cable from source 1 to any source input (S1, S2, S3, S4) of the *PAN6400* (using the supplied S-Video adapter).
3. Connect the alternate video cable to the source input S1 of the *PAN6400*.
4. Connect the output (green) from S1 to the input (green) S2 on the *PAN6400* with a standard RCA cable.
5. Connect the output (green) from S2 to the input (green) S3 on the *PAN6400* with a standard RCA cable.
6. Connect the output (green) from S3 to the input (green) S4 on the *PAN6400* with a standard RCA cable.
7. Connect the IR emitter from the S1 IR output port of the *PAN6400* to the front of the source.
8. Connect the Room Output for the *PAN6400* to the VIM port on the *PANVP500*.
9. Connect a video cable from the *PANVP500* to the PIP.
10. Connect the alternate video cable from the *PANVP500* to the TV.
11. Turn power on to the system.

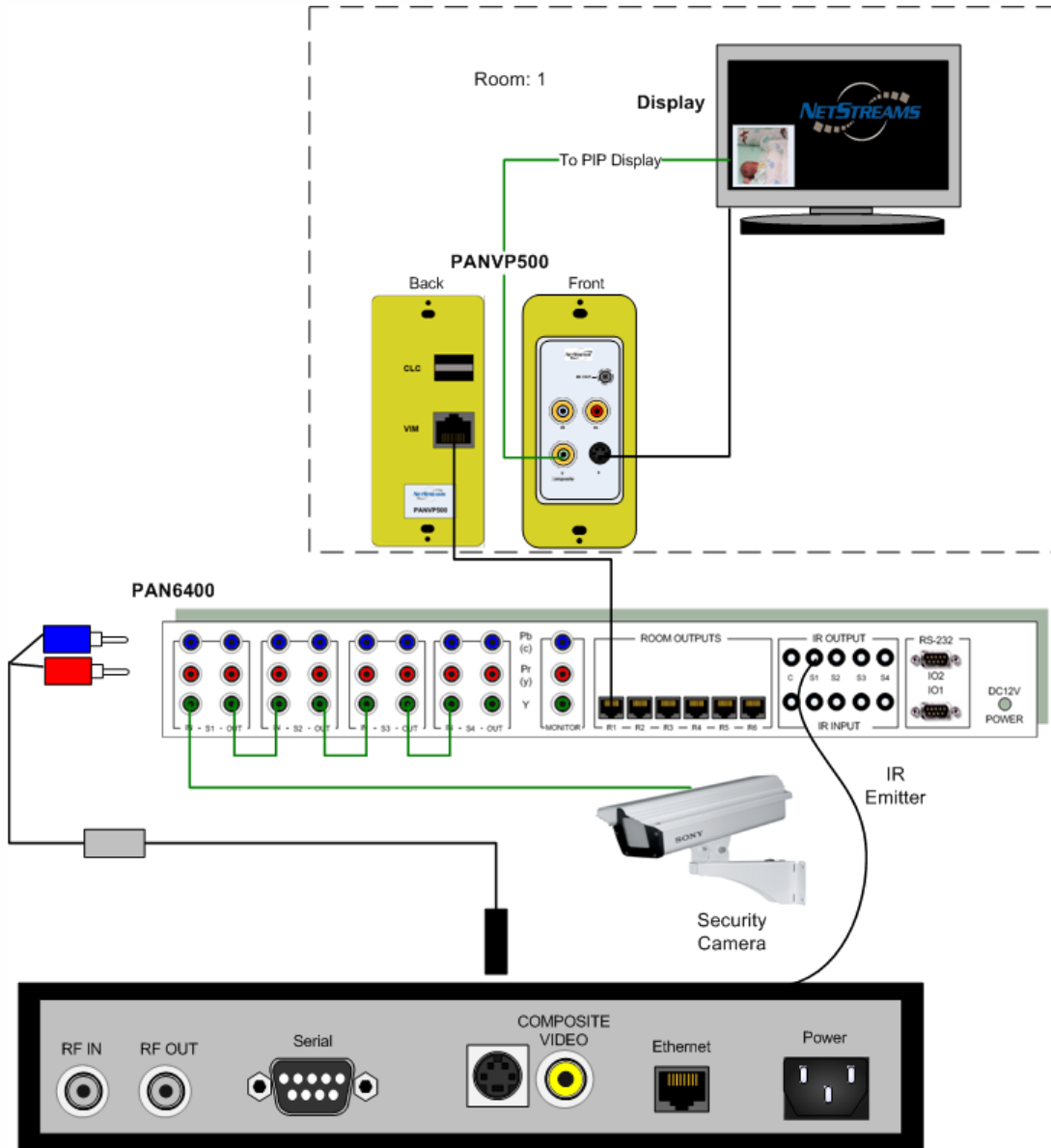


Figure 2 Connecting S-Video and Composite Video to a PIP-enabled TV