

Application

Title: Integrating KVMS Extenders into Digital Signage Applications

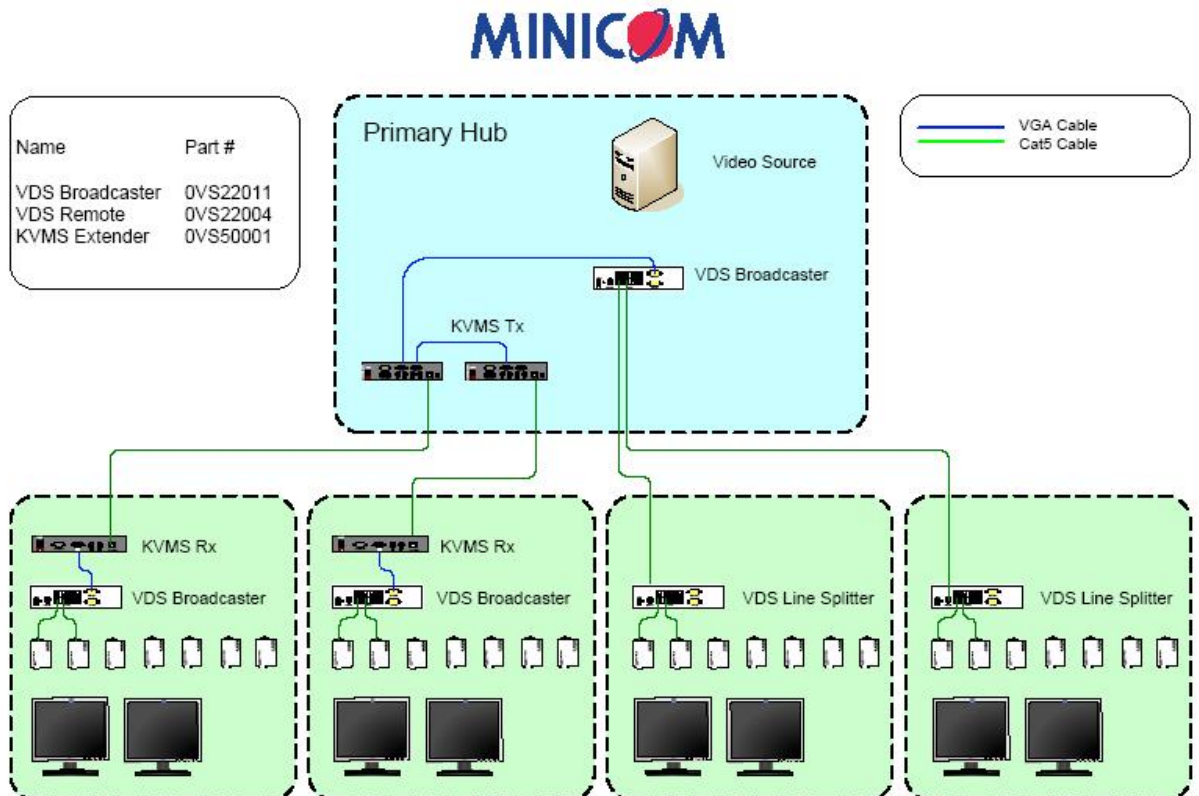
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Summary: An example on how to use the KVMS & VDS in a Digital Signage Application

The goal of this application is to distribute content being played from a single source, rack-mounted and sitting in a closet, to twenty-eight monitors located in four separate clusters; two of which are 40 feet/33 meters away (short cluster), while the other two are up to 300 feet/100 meters away (long cluster).

The customer was advised to purchase three VDS broadcasters, two VDS line splitters, twenty-eight VDS remotes and three KVMS extenders. The following diagram illustrates how everything was put together.



The inclusion of the KVMS extender, a product originally designed for server management solutions, served to preserve the integrity of the content at an affordable level. The signal, after having already traveled 300 feet/100 meters to the long cluster, must then be distributed by the VDS system along additional feet of cat5 cable. The KVMS extender played an integral role in insuring that the image received at the long cluster is as close to the image sent by the video source as possible.

The recommended method to set up equipment for the correct operation of the system is as follows:

1. Connect the primary VDS broadcaster to source's VGA port
2. Connect the VDS line splitters located at the short clusters to the broadcaster
3. Connect the VDS remotes to the line splitters and video tune accordingly
4. Connect the local video out of the primary VDS broadcaster to the video in of the first KVMS transmitter
5. Connect the local video out of the first KVMS transmitter to the video in of the second KVMS transmitter
6. Connect each KVMS receiver located at the long clusters to their respective KVMS transmitter
7. Video tune the image received by the KVMS receiver
 - a. Connect the PS/2 keyboard and mouse of the respective KVMS transmitter to the video source via the supplied 3 in 1 KVM cable
 - b. Connect a local monitor, keyboard and mouse to the receiver
 - c. Power on the KVMS receiver, followed by the transmitter
 - d. Using the keyboard and mouse connected to the receiver, video tune the image shown on the local monitor according to the instructions in the KVMS extender user guide
 - e. Remove the 3 in 1 KVM cable from the KVMS transmitter and video source
 - f. Remove the local monitor, keyboard and mouse connected to the receiver
8. Connect the VDS broadcaster located at the long cluster to the KVMS receiver
9. Repeats step 6 through 9 for the second long cluster
10. Connect the VDS remotes to the broadcasters and video tune accordingly

Notes: