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SB006-IM

Integration Module – Outputting Video Door Station and Camera Signals to Secondary Video Devices

I. Application/Purpose

This multi-purpose bulletin will outline how to expand the Unity Integration Module to support video output to secondary video devices like an additional LCD(s) or an IP Video Server. It will also explain how to output the video feed from both of the Video Door Stations plugged into the Q-Link Video Ports on the Integration Module.

II. Associated Part Numbers

HA6001 – Unity Integration Module
IC5001 – Selective Call Intercom Module
IC5003 – Selective Call Video Door Station
CM1010 – LCD Module
CM1011 – CAT5 Camera Module
CM1015 – Y Splitter Patch Cable
CM1017 – Yellow Mini RCA Patch Cable
PW1060 – 24v 2.5 Amp Power Supply
PW1030 – 24v 1.5 Amp Power Supply
PW7725 – 12v 2.5 Amp Power Supply

III. Explanation

This bulletin assumes that the integration module has already been expanded to a full six cameras using both the CAT5 Camera Module (CM1011) and the LCD Module (CM1010). Please refer to Support Bulletin **SB005-IM** for more information on how to accomplish this expansion.

The most effective way to allow for the existing cameras on the system to output a video image to a secondary video source is through the use of the Cat 5 Camera Module (CM1011). Any cameras connected to this module should have their video output connected to the LCD module (CM1010), which should then be tied to the Integration Module. To allow for the use of added LCDs on the system, place Y splitters on the video outputs from the Cat 5 Camera Module. This will provide two video outputs per camera. One output will continue to connect to the LCD module to allow for the camera to be viewable in the camera menu on the Unity GUI (Graphic User Interface). The second video output can be used to connect to a multitude of secondary video sources, including additional LCD's (see Note below), an IP Video Server or a third party DVR. Any video source that can take a standard RCA video signal can work. (See FIGURE 1)

NOTE: Any secondary LCD screens added using this bulletin will not display the Unity GUI nor will they function as an intercom station or a lyriQ audio station.



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The next step to completing this solution is to have the ability to output the video image from the Selective Call Video Door Stations. A Selective Call 8-Location Distribution Module (IC5001) is required for each video door station that will output video. The Integration Module supports two video door stations, requiring two modules to complete the installation.

The next step will require the creation of a custom Cat 5e cable. This custom cable will connect to the Video Cascade output port on the Integration Module and then connect to each of the Selective Call modules on the system. To create the custom cable, crimp one end of the Cat 5e cable using the 568A standard. That end will connect into the Video Cascade port. On the other end of the wire, you will need to split the pairs off into two plugs. On the first plug, take pins one and two (white/green and green) and place them in the position of pins seven and eight (where the white/brown and brown would normally go). On the second plug, take pins seven and eight (white/brown and brown) and place them in the position of pins seven and eight. This will give you two plugs, each with pairs crimped into pins seven and eight. Each plug carries the video signal for one of the video door stations (See Figure 1).

Finally, to complete the installation, connect each of the plugs from your custom cable into port 8 of the two Selective Call modules. Both modules require their own PW1030 power supplies or the use of our PW1010 Universal Power Distribution Module. You can then output the video signal from the yellow RCA output right below port eight. You can connect that video output to whatever secondary video device you choose (See Figure 1).

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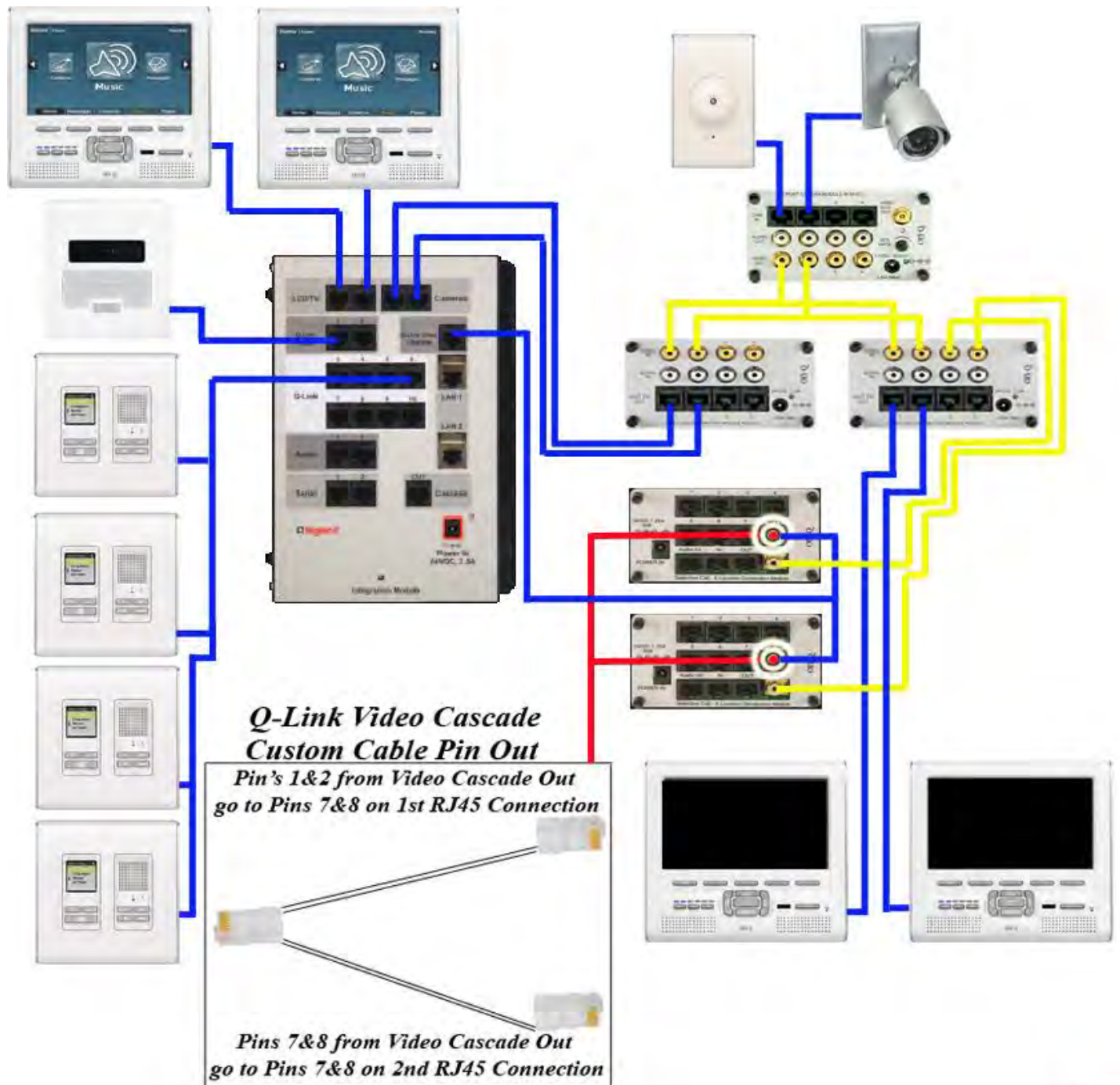


FIGURE 1