

TECHNICAL NOTE V001

Connection of Multiple Video Sources to SCOTTY mm Series and eyesite® Series Products

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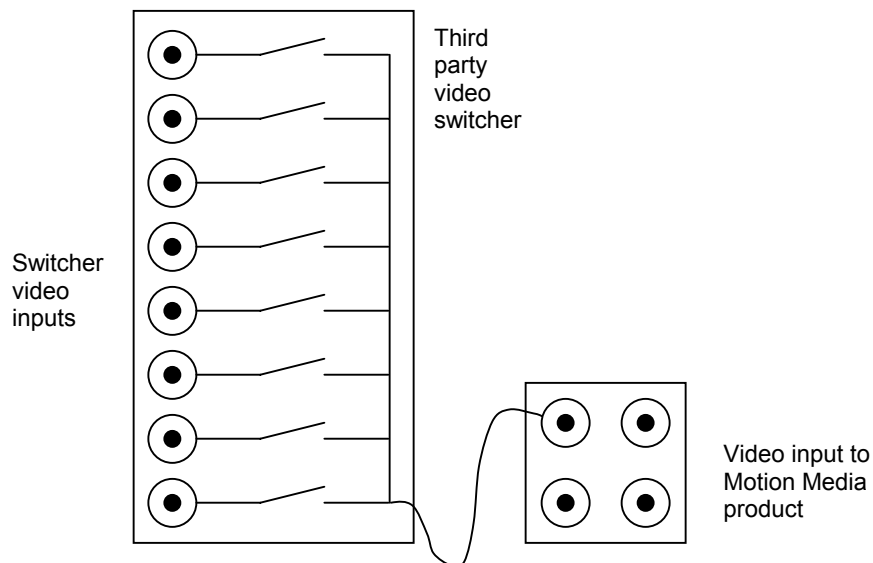
Introduction

It is possible to connect and select multiple cameras, via a third party switch, to any SCOTTY mm series or eyesite series product as long as basic electrical rules are followed. Failure to follow these rules can result in failure of the Motion Media Technology equipment and the invalidation of any warranty. There are two connection methods.

1. Connection via phone plug to the external phono socket.
2. Internal connections directly to the phono socket leaving the external socket free.

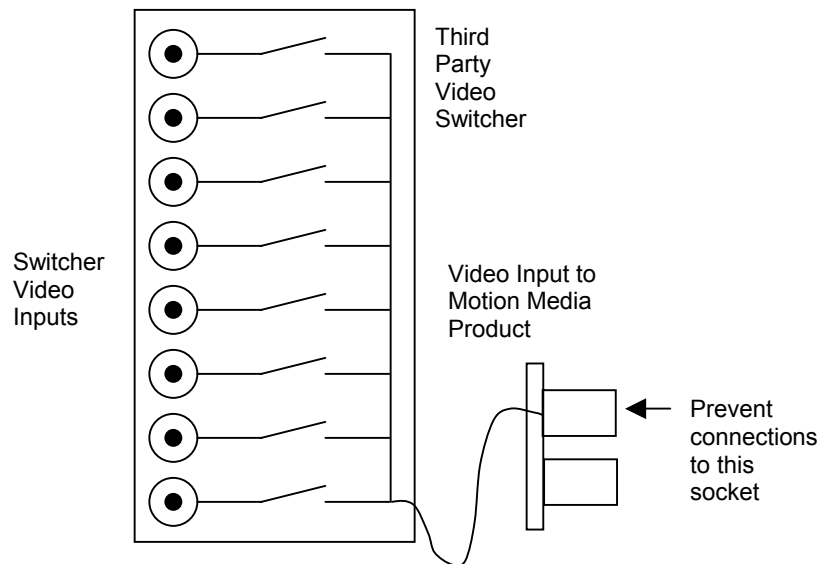
Connection Method 1

As long as the signal from the camera is not modified and still complies with the relevant video standard for composite video then the mm series or eyesite products will operate correctly and with no risk of damage.



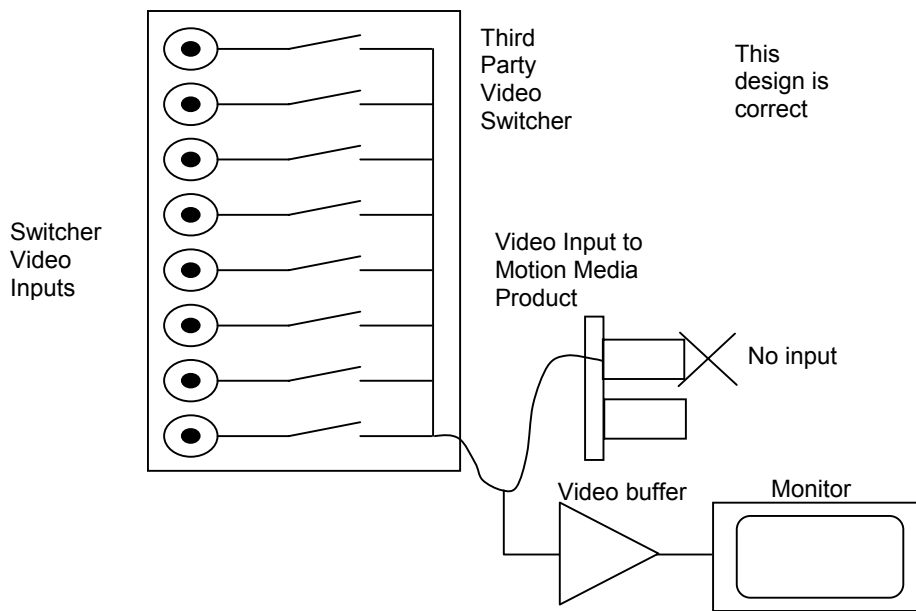
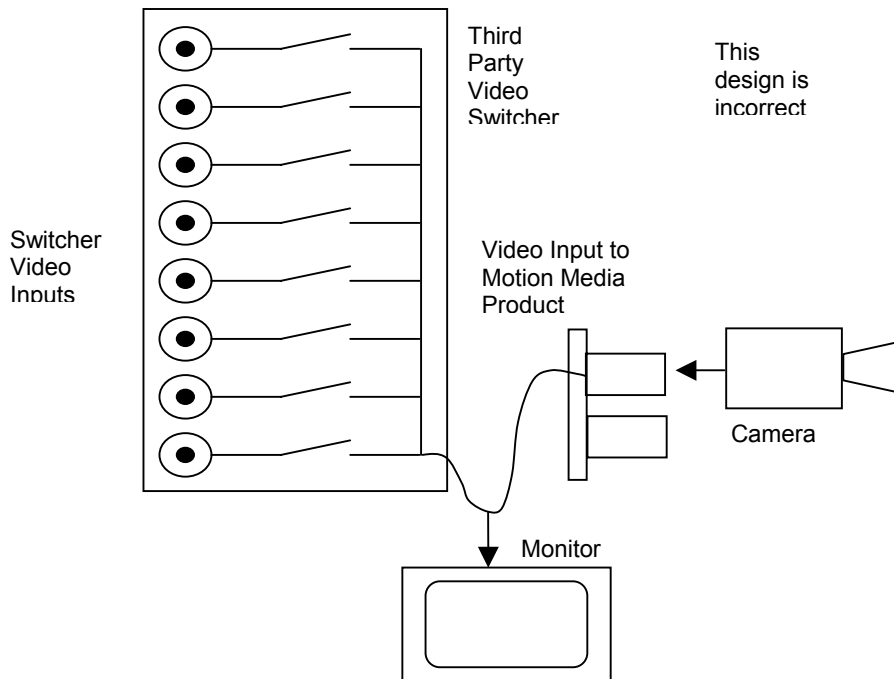
Connection Method 2

As the video is being fed into the back of the phono socket it is possible for the user to connect another camera or monitor to the video in connector on the back of the product. This will result in damage. To prevent this, do not allow the user to make any connection to the external socket.



Loading the switcher

The output drive from the camera expects to see one 75Ohm load. Direct connection, as in method one and shown above, will satisfy this requirement. If one or more separate monitors are to be driven as well as the camera input then the monitor outputs must be buffered. Failure to do so will result in damage to the video in circuits of your product. To correctly load the camera and prevent damage to the unit one video buffer must be provided for every video output.



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