

Partner: Crestron Electronics, Inc
Model: C2N-IVDS
Device Type: Video Distribution



GENERAL INFORMATION

SIMPLWINDOWS NAME:	C2N-IVDS Control v5.1
CATEGORY:	Video
VERSION:	5.1
SUMMARY:	<p>Control routing for video to touch panel display. <i>Must be used with C2N-IADS_C2N-IIF Interconnect Module with the same version number.</i> Can also be used with the C2N-IIF Door Station v5.1, C2N-IADS Room Control v5.1, C2N-IADS Group Setup v5.1 and C2N-IADS Phone Interface v5.1 for a complete audio video intercom system.</p> <p>This module should only be used as part of a complete system. It will not work in 'Stand Alone' mode.</p>
GENERAL NOTES:	<p>This macro will work with the Crestron C2N-IVDS. It will allow video to be displayed to connected touch panels or other devices.</p> <p>This module interacts with the following modules for a complete system:</p> <p><i>Must be used with C2N-IADS_C2N-IIF Interconnect Module v5.1.</i></p> <p>Multiple C2N-IADS Room Control v5.1 modules Multiple C2N-IIF Door Station v5.1 C2N-IADS Group Setup v5.1 C2N-IADS Phone Interface v5.1</p>
CRESTRON HARDWARE REQUIRED:	C2N-IADS, C2N-IVDS 2-Series Processor

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CONTROL:

[SEND_VIDEO_X] (1 – 24)	D	These inputs are used to turn the video input on and off. Pulse the input to change the state.
FROM_CONTROL_MODULE\$	S	Serial string from the required C2N-IADS_C2N-IIF Interconnect Module v4.

FEEDBACK:

[SEND_VIDEO_X_FB] (1 – 24)	D	These outputs will be high if the corresponding video selected is to be displayed.
[DISPLAY_VIDEO_ROOM_X] (1 – 24)	D	<p>These outputs will be driven high if the following condition are met:</p> <ol style="list-style-type: none"> 1. An audio source with a corresponding video input is routed to this room 2. The routed video source's [SEND_VIDEO_X_FB] is high. <p>Example:</p> <p>Room 1 is in a call to Room 2. Room 1 has a camera in the room connected to input 1 on the C2N-IVDS. Each press of the [SEND_VIDEO_1] input will toggle the [DISPLAY_VIDEO_ROOM_2] high and low. When high, Room 2 will be able to see the image from the camera in Room1. When low, no image will be sent.</p> <p>This output can be used to drive a video subpage high that will only be visible if the touch panel is being sent video from a connected room.</p>
[VIDEO_SOURCE_OUT_X] (1 – 24)	A	Analog value to be connected to the corresponding input on the C2N-IVDS.

PARAMETER:

Audio for Video Source X (1- 24)	Decimal	<p>This is the audio/video map.</p> <p>If you have a camera in room 1 connected to input 1, Audio for Video Source 1 would be '1d'.</p> <p>If you have a Satellite receiver plugged into video input 4 on the C2N-IVDS and the audio from the Satellite receiver is connected to audio input 32 on the C2N-IADS, Audio for Video Source 4 would be '32d'.</p>
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TESTING:

OPS USED FOR TESTING:	3.154_0322
SIMPL WINDOWS USED FOR TESTING:	2.07.24
CRES DB USED FOR TESTING:	18.0.8
SYMBOL LIBRARY USED FOR TESTING:	381
SAMPLE PROGRAM:	Crestron Intercom System Demo v5.1

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**REVISION HISTORY:**

V5.1

Version number change. No code change to this module.

V5

Changed string parsing routine to improve speed and reliability.

V4

Moved logic that was included in the 'Using IVDS' folder in previous versions into the module since the logic is required for proper operation.

Added outputs to the module as needed to accommodate the logic that was moved into the module.

Add the audio/video mapping parameters.