ANALOG WAY VIDEOCOMPOSITOR

Module: MONITORING

Crestron 3-series

Date: **February 06th 2019**
Driver version: **V4.02**
Compatible with: **LiveCore™ Firmware v4.00.x or above**

GENERAL

This is an optional module for controlling LiveCore™ series processors. It allows you to control the standard features of a monitoring output for:

- a LiveCore™ processor (master device)
- a LiveCore™ Expansion module (slave device)
- a linked LiveCore™ processor (slave device) linked to a master device

One MONITORING module must be implemented in your project for each monitoring output controlled.

CONNECTION

This module has to be connected to the main module (LiveCore_Main).

Control

Inter_connect_Modules

From_Module_Main	String_in	To be connected to the main module (LiveCore_Main)
Refresh_All	Digital_in	Pulse for module initialization
To_Module_Main	String_out	To be connected to the main module (LiveCore_Main)
Message_Txt	String_out	Status message to be displayed in user interface. To be connected to the main module (LiveCore_Main)
Refresh_In_Progress_FB	Digital_out	Module initialization in progress
Next_Module_Refresh_OS	Digital_out	To be connected to next module for daisy chain initialization

General

X is the monitoring preset index (1=>8)

Preset_Load_Set	Analog_in	Load a monitoring preset from memory. The analog value is the Preset index to load (1=>8)
Preset_Active_FB	Analog_out	Monitoring Preset index loaded from memory (1=>8)
Monitoring _Preset_Loading_FB	Digital_out	1 if a monitoring Preset is being loaded from memory
HDCP_State_FB	Digital_out	Monitoring output HDCP status
PresetX_Available_FB	Digital_out	1 if the monitoring Preset index X is available
PresetX_Max_Widgets_Available_FB	Analog_out	Maximum number of mosaic widgets available in the system when monitoring Preset index X was created (0=>12)
PresetX_Width_FB	Analog_out	Monitoring output width (in pixel) defined for Preset index X
PresetX_Height_FB	Analog_out	Monitoring output height (in pixel) defined for Preset index X

Full screen

Full_Screen_Mode_PB	Digital_in	Pulse to enable full screen mode on the monitoring output
Full_Screen_Source_Set	Analog_in	Select the source displayed by the monitoring output when full screen mode is enabled. See table below for values
Full_Screen_Mode_FB	Digital_out	1 if full screen mode is enabled on the monitoring output
Full_Screen_Source_FB	Analog_out	Index of source displayed by the monitoring output when full screen mode is enabled. See table below for values
Full_Screen_Width-FB	Analog_out	Monitoring output width (in pixel) defined for full screen mode
Full_Screen_Height_FB	Analog_out	Monitoring output height (in pixel) defined for full screen mode

Mosaic screen

X is the widget index (1=>12)

Mosaic_PB	Digital_in	Pulse to enable Mosaic mode on the monitoring output
WidgetX_Source_Set	Analog_in	Select the source displayed by the monitoring widget X when Mosaic mode is enabled. See table below for values
Mosaic_FB	Digital_out	1 if Mosaic mode is enabled on the monitoring output
WidgetX_Source_FB	Analog_out	Index of the source displayed by the monitoring widget X when Mosaic mode is enabled. See table below for values

Drag & Drop

X is the widget index (1=>12)

WidgetX_Width_Set	Analog_in	Sets widget X width (in pixel)
WidgetX_Height_Set	Analog_in	Sets widget X height (in pixel)
WidgetX_H_Pos_Set	Analog_in	Sets widget X horizontal offset (in pixel)
WidgetX_V_Pos_Set	Analog_in	Sets widget X vertical offset (in pixel)
WidgetX_Width_FB	Analog_in	Widget X width (in pixel)
WidgetX_Height_FB	Analog_in	Widget X height (in pixel)
WidgetX_H_Pos_FB	Analog_in	Widget X horizontal offset (in pixel)
WidgetX_V_Pos_FB	Analog_in	Widget X vertical offset (in pixel)

Parameters

Master_Slave	Param	Set the type of device controlled by this module ('Master ' for controlling the monitoring output of a Master device or 'Slave' for controlling the monitoring output of a slave device
Monitor_Width	Param	Monitoring output width (in pixel)
Monitor_Height	Param	Monitoring output height (in pixel)

Monitoring sources (full screen mode or mosaic mode)

1	Input 1 of Master Device
2	Input 2 of Master Device
3	Input 3 of Master Device
4	Input 4 of Master Device
5	Input 5 of Master Device
6	Input 6 of Master Device
7	Input 7 of Master Device
8	Input 8 of Master Device
9	Input 9 of Master Device
10	Input 10 of Master Device
11	Input 11 of Master Device

12	Input 12 of Master Device
13	Input 1 of Slave Device
14	Input 2 of Slave Device
15	Input 3 of Slave Device
16	Input 4 of Slave Device
17	Input 5 of Slave Device
18	Input 6 of Slave Device
19	Input 7 of Slave Device
20	Input 8 of Slave Device
21	Input 9 of Slave Device
22	Input 10 of Slave Device
23	Input 11 of Slave Device
24	Input 12 of Slave Device
25	Frame 1 of Master Device
26	Frame 2 of Master Device
27	Frame 3 of Master Device
28	Frame 4 of Master Device
29	Frame 1 of Slave Device
30	Frame 2 of Slave Device
31	Frame 3 of Slave Device
32	Frame 4 of Slave Device
33	Logo 1 of Master Device
34	Logo 2 of Master Device
35	Logo 3 of Master Device
36	Logo 4 of Master Device
37	Logo 1 of Slave Device
38	Logo 2 of Slave Device
39	Logo 3 of Slave Device
40	Logo 4 of Slave Device
41	Screen 1
42	Screen 2
43	Screen 3
44	Screen 4
45	Screen 5
46	Screen 6
47	Screen 7
48	Screen 8
49	Preview 1
50	Preview 2
51	Preview 3
52	Preview 4
53	Preview 5
54	Preview 6
55	Preview 7
56	Preview 8