

ANALOG WAY LIVECORE™

Module: SCREEN

Crestron 3-series

Date: **January 03, 2017**
Driver version: **V3.01**
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 one single screen declared in your setup. Therefore, one SCREEN module must be implemented in your project for each screen declared in your setup.

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
Screen_Available_FB	Digital_out	Screen validity feedback (for the main module)

General

Screen_Refresh_PB	Digital_in	Pulse to update screen status
Screen_Take_PB	Digital_in	TAKE (according to selected mode on the device)
Screen_TBar_Set	Analog_in	TBAR control (0% TBAR is down, 100% TBAR is up)
Background_Input_For_Prev_Sel	Analog_in	Background selection for Preview (1 to 4)
Background_Input_For_Main_Sel	Analog_in	Background selection for Program (1 to 4)
Screen1_Is_PL_FB	Digital_out	1 if screen is set to Perspective Layer
Screen1_Z_Mixing_Status_FB	Digital_out	1 if screen Z mixing is active
Screen_Name_FB	String_out	Screen label (16 char. Max)
Screen_Width_FB	Analog_out	Screen width (pixel)
Screen_Height_FB	Analog_out	Screen height (pixel)
NB_L_Valid_FB	Analog_out	Number of valid Layers
Screen_Take_FB	Digital_out	TAKE in progress
Screen_TBar_FB	Analog_out	TABR position
Background_Input_For_Prev_FB	Analog_out	Background selected for Preview (1 to 4)
Background_Input_For_Main_FB	Analog_out	Background selected for Program (1 to 4)

Check Layer

X is the layer index (1=>24)

Check_LX_infos_PB	Digital_in	Pulse to update layer X status
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Prev Layer

X is the layer index (1=>24)

Y is Main (Program) or Preview

LX_Input_For_Y_Sel	Analog_in	Input selection for layer X on destination Y
LX_Input_For_Y_FB	Analog_out	Input selected for layer X on destination Y
LX_Border_Off_For_Y_PB	Digital_in	Pulse to hide border on layer X for destination Y
LX_Border_Edge_For_Y_PB	Digital_in	Pulse to enable border 'edge' on layer X for destination Y
LX_Border_Smoth_For_Y_PB	Digital_in	Pulse to enable border 'smooth' on layer X for destination Y
LX_Border_Smoth_Edge_For_Y_PB	Digital_in	Pulse to enable border 'smooth edge' on layer X for destination Y
LX_Border_Shadow_Edge_For_Y_PB	Digital_in	Pulse to enable border 'shadow edge' on layer X for destination Y

Parameters

Number_Screen_0-7	Param	Screen number controlled by this module (1 module per screen)
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