Partner: AVPro Edge
Models: MXNet
Device Type: Network Switching

GENERAL INFORMATION

SIMPLWINDOWS NAME:	AVPro Edge MXNet VW Layout v2.6
CATEGORY:	AVPro Edge MXNet
VERSION:	2.6
SUMMARY:	This module works in conjunction with the AVPro MXNet CommandProcessor v2.6 module to a create a single, full-screen video wall layout with a specified input routed to it. The full suite of AVPro MXNet modules includes: • AVPro MXNet CommandProcessor v2.6 • AVPro MXNet Encoder v2.6 • AVPro MXNet Decoder v2.6 • AVPro MXNet SerialPort v2.6 • AVPro MXNet IRPort v2.6 • AVPro MXNet CEC v2.6 • AVPro MXNet DestinationRouter v2.6 • AVPro MXNet MultiDestinationRouter v2.6 • AVPro MXNet VW DecoderAssign v2.6 • AVPro MXNet VW Layout v2.6 • AVPro MXNet VW LayoutRecall v2.6 • AVPro MXNet 10G VW LayoutRecall v2.6 • AVPro MXNet Matrix PresetRecall v2.6 • AVPro MXNet Matrix Macro v2.6
GENERAL NOTES:	This module requires one instance of the AVPro MXNet CommandProcessor v2.6 module to register with, a matching instance of the AVPro MXNet Encoder v2.6 for each encoder for source routing, and a matching instance of the AVPro MXNet DecoderAssign v2.6 for each decoder of this wall.
CRESTRON HARDWARE REQUIRED:	4-Series processor, 3-Series processor
SETUP OF CRESTRON HARDWARE:	N/A
VENDOR FIRMWARE:	MXNet 1G Control Box v2.4 MXNet 1G Encoder v3.39 MXNet 1G Decoder v4.21 MXNet 10G Control Box v3.28 MXNet 10G Encoder v1.25 MXNet 10G Decoder v1.25
VENDOR SETUP:	N/A

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PARAMETERS:

Command_Processor_ID	The unique identifier of the command processor module that this module registers with.
Layout_ID	The unique identifier of the layout managed by this module.
Video_Wall_Name	The unique name for the video wall.
Total_Rows	The number of rows in the video wall layout.
Total_Columns	The number of columns in the video wall layout.
Stretch	The stretch aspect setting. Possible values include: • Aspect Ratio (default) • Fullscreen
Display_Visible_Width	The visible width of a display in millimeters.
Display_Visible_Height	The visible height of a display in millimeters.
Display_Outer_Width	The outer width of a display in millimeters.
Display_Outer_Height	The outer height of a display in millimeters.

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CONTROL:

Source_Route	A	Integer value specifies the encoder to display on this layout. The AVPro MXNet Encoder v2.6 with each associated Source_Index must be added to the program for the module to know which encoder in your system to route.
Take_Route	D	Pulse to send the route specified by the **Source_Route** analog input to the video wall.

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FEEDBACK:

Is_Initialized	D	Digital high indicates this module has been initialized with the command processor module.
Is_Online_Fb	D	High to indicate that all the assigned deciders are online and available for control. If any device is offline, control will still pass.

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TESTING:

OPS USED FOR TESTING:	VC4 v4.0000.00007 CP4 v2.8001.00086.01 CP3 v1.8001.0214.01
SIMPL WINDOWS USED FOR TESTING:	4.2500.04
CRES DB USED FOR TESTING:	219.0500.001.00
DEVICE DATABASE:	200.28000.002.00
SYMBOL LIBRARY USED FOR TESTING:	1191
SAMPLE PROGRAM:	AVPro Edge MXNet v2.6 Demo.smw
REVISION HISTORY:	v1.0 – Initial Release v1.1 – Fixed SerialPort transmitted and received data. – Made updates to allow a Wallplate Encoder to initialize with this suite. v1.2 – Isolated serial communication queue to provide device control responsiveness. – Corrected unsolicited data parsing impacting hotplug detected and resolution. v2.0 – Added “Offline” functionality. – Polling will happen more frequently but will only poll for one component’s states at a time. This prevents serial control from getting backed up behind a global system poll. v2.1 – Added volume support for applicable 10G decoders. – Added support for 10G videowall support with “10G VW Layout” v2.2 - Change 1G video wall input select to new faster API command v2.3 – Added CEC support for Encoders. v2.4 – Added Matrix PresetRecall and Matrix Macro module. V2.5 – Added preview urls to the encoder module. v2.6 – Reconnect time increased from 30 seconds to 90 seconds.

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