

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



GENERAL INFORMATION

SIMPLWINDOWS NAME:	AVPro Edge MXNet VW Layout v2.1
CATEGORY:	AVPro Edge MXNet
VERSION:	2.1
SUMMARY:	<p>This module works in conjunction with the AVPro MXNet CommandProcessor v2.1 module to create a single, full-screen video wall layout with a specified input routed to it. The full suite of AVPro MXNet modules includes:</p> <ul style="list-style-type: none">• AVPro MXNet CommandProcessor v2.1• AVPro MXNet Encoder v2.1• AVPro MXNet Decoder v2.1• AVPro MXNet SerialPort v2.1• AVPro MXNet IRPort v2.1• AVPro MXNet CEC v2.1• AVPro MXNet DestinationRouter v2.1• AVPro MXNet MultiDestinationRouter v2.1• AVPro MXNet VW DecoderAssign v2.1• AVPro MXNet VW Layout v2.1• AVPro MXNet VW LayoutRecall v2.1• AVPro MXNet 10G VW LayoutRecall v2.1
GENERAL NOTES:	<p>This module requires one instance of the AVPro MXNet CommandProcessor v2.1 module to register with, a matching instance of the AVPro MXNet Encoder v2.1 for each encoder for source routing, and a matching instance of the AVPro MXNet DecoderAssign v2.1 for each decoder of this wall.</p>
CRESTRON HARDWARE REQUIRED:	4-Series processor, 3-Series processor
SETUP OF CRESTRON HARDWARE:	N/A
VENDOR FIRMWARE:	MXNet 1G Control Box v2.34 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: <ul style="list-style-type: none">• 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 v2.1 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 v2.1 Demo.smw
REVISION HISTORY:	<p>v1.0 – Initial Release</p> <p>v1.1 – Fixed SerialPort transmitted and received data. – Made updates to allow a Wallplate Encoder to initialize with this suite.</p> <p>v1.2 – Isolated serial communication queue to provide device control responsiveness. – Corrected unsolicited data parsing impacting hotplug detected and resolution.</p> <p>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.</p> <p>v2.1 – Added volume support for applicable 10G decoders. – Added support for 10G videowall support with “10G VW Layout”</p>