

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



GENERAL INFORMATION

SIMPLWINDOWS NAME:	AVPro Edge MXNet Decoder v1.0
CATEGORY:	AVPro Edge MXNet
VERSION:	1.0.0
SUMMARY:	<p>This module works in conjunction with the AVPro MXNet CommandProcessor v1.0 module to control one decoder of an Edge MXNet system. The full suite of AVPro MXNet modules includes:</p> <ul style="list-style-type: none">• AVPro MXNet CommandProcessor v1.0• AVPro MXNet Encoder v1.0• AVPro MXNet Decoder v1.0• AVPro MXNet SerialPort v1.0• AVPro MXNet IRPort v1.0• AVPro MXNet CEC v1.0• AVPro MXNet DestinationRouter v1.0• AVPro MXNet MultiDestinationRouter v1.0• AVPro MXNet VW DecoderAssign v1.0• AVPro MXNet VW Layout v1.0• AVPro MXNet VW LayoutRecall v1.0
GENERAL NOTES:	<p>This module requires one instance of the AVPro MXNet CommandProcessor v1.0 module to register with and one instance of the AVPro MXNet Encoder module v1.0 to handle routing of a single input.</p>
CRESTRON HARDWARE REQUIRED:	4-Series processor, 3-Series processor
SETUP OF CRESTRON HARDWARE:	N/A
VENDOR FIRMWARE:	MXNet Control Box v2.03 MXNet Encoder v3.33 MXNet Decoder v4.18
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.
MAC_Address_or_Device_ID	The device ID of the decoder used to associate the module to the Decoder.
Matrix_Destination_Index	The specific index of this decoder to be used on the Destination Router module. (Minimum = 1 Maximum = 256)

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**CONTROL:**

Reboot	D	Pulse to reboot the Decoder.
Screen_On	D	Pulse to turn on the Decoder display screen.
Screen_Flash	D	Pulse to flash the Decoder display screen.
Screen_Off	D	Pulse to turn off the Decoder display screen.
OSD_On	D	Pulse to set the on-screen display on.
OSD_Off	D	Pulse to set the on-screen display off.
Resolution	A	Analog value specifies the resolution to use from the defined resolution list. Possible values include: 0: passthrough, 1: 720P50, 2: 720P60, 3: 1080P24, 4: 1080P50, 5: 1080P60, 6: 4K30, 7: 4K50, 8: 4K60
Hot_Plug_Reset	D	Pulse to reset the hot plug on the device.

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FEEDBACK:

Is_Initialized	D	Digital high indicates this decoder block has been initialized with the command processor module.
Is_Online	D	Digital high indicates the decoder is online, or not online when the signal is low.
Screen_On_Fb	D	Digital high indicates the decoder front panel display screen is on, or not on when the signal is low.
Screen_Flash_Fb	D	Digital high indicates the decoder front panel display screen is flashing, or not flashing when the signal is low.
Screen_Off_Fb	D	Digital high indicates the decoder front panel display screen is off, or not off when the signal is low.
OSD_On_Fb	D	Digital high indicates the on-screen display is on, or not on when the signal is low.
OSD_Off_Fb	D	Digital high indicates the on-screen display is off, or not off when the signal is low.
Resolution_Fb	A	Integer value indicates the currently selected resolution value.
VideoWall_Count_Fb	A	Integer value indicates the number of video wall layouts this decoder is included in.
Hot_Plug_Detect_Fb	D	Digital high indicates the hot plug is detected, or not detected when the signal is low.
Connection_Rating	S	Text value indicates the current connection speed rating.
Resolution_and_Timing	S	Text value indicates the current resolution and FPS. Format example: 3840x2160, 30.
Colorspace	S	Text value indicates the current colorspace reported.
Bit_Depth	S	Text value indicates the current bit depth reported.
HDR_Status	S	Text value indicates the current HDR status ON or OFF.
HDCP_Status	S	Text value indicates the current HDCP status ON or OFF.
Audio_Format_Fb	S	Text value indicates the current audio format reported.
Network_Connection_Fb	S	Text value indicates the current network connection reported.

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**TESTING:**

	VC4 v4.0000.00007
OPS USED FOR TESTING:	CP4 v2.8000.00017 CP3 v1.8001.5061.26823
SIMPL WINDOWS USED FOR TESTING:	4.2000.00
CRES DB USED FOR TESTING:	215.0000.003.00
DEVICE DATABASE:	200.23500.001.00
SYMBOL LIBRARY USED FOR TESTING:	1177
SAMPLE PROGRAM:	AVPro Edge MXNet v1.0 Demo.smw
REVISION HISTORY:	v1.0 – Initial Release