

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



GENERAL INFORMATION

SIMPL WINDOWS NAME:	AVPro Edge MXNet USP ExternalStreamSource v1.0
CATEGORY:	AVPro Edge MXNet USP
VERSION:	v1.0
SUMMARY:	This module works in conjunction with the AVPro Edge MXNet USP CommandProcessor v1.0 module to add an external H.264 stream to the USP ecosystem. The full suite of AVPro MXNet USP modules includes: • AVPro Edge MXNet USP CommandProcessor v1.0 • AVPro Edge MXNet USP Encoder v1.0 • AVPro Edge MXNet USP Decoder v1.0 • AVPro Edge MXNet USP SerialPort v1.0 • AVPro Edge MXNet USP IRPort v1.0 • AVPro Edge MXNet USP CEC v1.0 • AVPro Edge MXNet USP DestinationRouter v1.0 • AVPro Edge MXNet USP MultiDestinationRouter v1.0 • AVPro Edge MXNet USP VW DecoderAssign v1.0 • AVPro Edge MXNet USP VW Layout v1.0 • AVPro Edge MXNet USP VW LayoutRecall v1.0 • AVPro Edge MXNet USP Matrix PresetRecall v1.0 • AVPro Edge MXNet USP Matrix Macro v1.0 • AVPro Edge MXNet USP External Stream Source v1.0 • AVPro Edge MXNet USP Digital Signage v1.0 • AVPro Edge MXNet USP Multiview Layout v1.0
GENERAL NOTES:	This module requires one instance of the AVPro Edge MXNet USP CommandProcessor v1.0 module to register with.
CRESTRON HARDWARE REQUIRED:	4-Series processor
SETUP OF CRESTRON HARDWARE:	N/A
VENDOR FIRMWARE:	MXNet USP Control Box V3.43 MXNet USP-ES v0.24.0 MXNet USP-PL v1.11.0 MXNet USP-PR v1.40.0
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.
Stream_URL	The full H.264 URL of the external stream.
Matrix_Source_Index	Specifies the matrix source (encoder) location of this external endpoint for use in USP routing.
Network_Location	Specifies the current USP CBOX network interface that can be used to connect to the external source. 1d = AV Network 2d = Control Network
Authentication_Mode	Specifies the authentication mode. 0d = No Authentication 1d = Use Module Credentials
External_Source_ID	Specifies the unique external source identifier within the USP system. Must be 15 characters or less and cannot contain spaces.
Model_Name	Specifies the model number of the stream provider for use in the USP system. Must be 15 characters or less and cannot contain spaces.
Username	Specifies the stream login username when authentication mode is enabled.
Password	Specifies the stream login password when authentication mode is enabled.

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**FEEDBACK:**

Is_Initialized	D	High to indicate that the module has successfully initialized with the Command Processor.
Is_Online	D	High to indicate that the module has established a successful connection to the external source endpoint and the stream is currently connected and available.
Frames_Per_Second	A	Current frames per second metric of the external stream source.
Codec	S	Current codec specifier for the external stream source.
Resolution	S	Current resolution of the external stream source.

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TESTING:

OPS USED FOR TESTING:	CP4 2.8006.00110
SIMPL WINDOWS USED FOR TESTING:	4.3100.00
CRES DB USED FOR TESTING:	228.5000.003.00
DEVICE DATABASE:	200.44500.001.00
SYMBOL LIBRARY USED FOR TESTING:	1237
SAMPLE PROGRAM:	AVPro Edge MXNet USP v1.0 Demo.smw
REVISION HISTORY:	v1.0 – Initial Release