ANALOG WAY MIDRA™ 4K

Module: STREAMING

Crestron 3-series & 4-series & VC-4

Date: **December 2022**
Driver version: **V1.3.0**
Compatible with: **Midra™ 4K Firmware v2.2.33 or above**

GENERAL

This module provides information about the streaming feature of Midra™ 4K video processors as well as some commands to receive or send video stream.

AUDIO SOURCES

None	0
Inputs	[0 .. 10]
Dante 8ch audio groups	[101..104]
Analog audio inputs	[201..202]
Audio Custom	[301..302]

VIDEO SOURCES

Inputs	[0 .. 10]
Outputs	[101 .. 102]
Multiviewer	201

1

CONTROL

General

AW_Stream_RefreshInfos	Digital_in	Pulse this signal to force the download and processing of information from the Midra 4K video processor. Most of the time, this signal is never used
AW_Stream_Client_Mode_Cmd	Digital_in	Puts the streamer in client mode. In client mode, the stream will be sent to a streaming.
AW_Stream_Server_Mode_Cmd	Digital_in	Puts the streamer in server mode. In server mode, the streamer will wait for connection from clients.
AW_Stream_Start_Cmd	Digital_in	Starts the client or server
AW_Stream_Stop_Cmd	Digital_in	Stops the client or server
AW_Stream_Client_Mode_FB	Digital_out	Equals 1 when the streamer is in client mode
AW_Stream_Server_Mode_FB	Digital_out	Equals 1 when the streamer is in server mode
AW_Stream_Start_FB	Digital_out	Equals 1 when the streamer (client or server) is running
AW_Stream_Stop_FB	Digital_out	Equals 1 when the streamer (client or server) is not running

Audio

AW_Stream_Mute_Cmd	Digital_in	Mutes audio stream
AW_Stream_Unmute_Cmd	Digital_in	Unmutes audio stream
AW_Stream_AudioPair_1_2_Cmd	Digital_in	Select audio source channel X_Y to be streamed or received
AW_Stream_AudioPair_3_4_Cmd	Digital_in	Select audio source channel X_Y to be streamed or received
AW_Stream_AudioPair_5_6_Cmd	Digital_in	Select audio source channel X_Y to be streamed or received
AW_Stream_AudioPair_7_8_Cmd	Digital_in	Select audio source channel X_Y to be streamed or received
AW_Stream_AudioSelect_FollowContent_Cmd	Digital_in	Select audio from video to be streamed
AW_Stream_AudioSelect_FollowRouting_Cmd	Digital_in	Select audio from another routed source
AW_Stream_AudioSourceSelect_Cmd	Analog_in	The audio source to be followed when "follow routing source" is selected
AW_Stream_Muted_FB	Digital_out	Equals 1 when audio stream is muted
AW_Stream_AudioPair_1_2_FB	Digital_out	Equals 1 when audio channels X_Y are selected
AW_Stream_AudioPair_3_4_FB	Digital_out	Equals 1 when audio channels X_Y are selected
AW_Stream_AudioPair_5_6_FB	Digital_out	Equals 1 when audio channels X_Y are selected
AW_Stream_AudioPair_7_8_FB	Digital_out	Equals 1 when audio channels X_Y are selected
AW_Stream_AudioSelect_FollowContent_FB	Digital_out	Equals 1 when streamed audio is following video content
AW_Stream_AudioSelect_FollowRouting_FB	Digital_out	Equals 1 when streamed audio is following routed a selected routed audio source
AW_Stream_AudioSourceSelect_FB	Analog_out	The audio source when "follow routing source" is selected

Video

AW_Stream_VideoQuality_Low_Cmd	Digital_in	Sets video stream quality to LOW
AW_Stream_VideoQuality_Medium_Cmd	Digital_in	Sets video stream quality to MEDIUM
AW_Stream_VideoQuality_High_Cmd	Digital_in	Sets video stream quality to HIGH
AW_Stream_VideoQuality_Custom_Cmd	Digital_in	Select it to define the custom bitrate
AW_Stream_VideoQuality_CustomBitrate_Cmd	Analog_in	Sets the video custom bitrate for the stream
AW_Stream_VideoSource_Select_Cmd	Analog_in	Selects the video source to stream in client mode
AW_Stream_VideoQuality_Low_FB	Digital_out	Equals 1 when video stream quality is LOW
AW_Stream_VideoQuality_Medium_FB	Digital_out	Equals 1 when video stream quality is MEDIUM
AW_Stream_VideoQuality_High_FB	Digital_out	Equals 1 when video stream quality is HIGH
AW_Stream_VideoQuality_Custom_FB	Digital_out	Equals 1 when video stream custom bitrate is selected
AW_Stream_VideoQuality_CustomBitrate_FB	Analog_out	Video custom bitrate for the stream that is set
AW_Stream_VideoSource_Select_FB	Analog_out	Video source to be streamed

ClientMode

AW_Stream_SelectClientStreamUrl_Cmd[X]	Digital_in	Select the URL of the platform where the stream will be received when in client mode.
AW_Stream_StreamingToUrl_FB[X]	Digital_out	Selected Stream URL platform, when in client mode

Running Status

AW_Stream_Status_DhcpWarning_FB	Digital_out	Equals 1 when DHCP content is found
AW_Stream_Status_VideoBitrate_FB	Analog_out	Video bitrate when streaming
AW_Stream_Status_AudioBitrate_FB	Analog_out	Audio bitrate when streaming
AW_Stream_Status_Profile_Txt	String_out	Video profile of the stream

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