CRESTRON

Certified Module

Partner: Panopto
Model: NA
Device Type: Video Server

CRESTRON
CERTIFIED **INTEGRATED** PARTNER

GENERAL INFORMATION

SIMPLWINDOWS NAME:	Panopto
CATEGORY:	Video Server
VERSION:	1.3
SUMMARY:	Panopto is a software company that provides lecture recording, screencasting, video streaming, and video content management software, which is often used in E-learning environments
GENERAL NOTES:	The Panopto modules requires that the included Panopto.dll library file be copied to the processor in the \\USER directory prior to uploading the program. The module will reference this library file for all of the functionality to work. The Panopto Recorder must be installed on a local computer and must have an active connection to the Panopto server. The name of the recorder will be used when making a connection from Crestron to the server controlling the recorder. Must be used with Panopto service v5.8.0.45316 or later and the Panopto.dll 1.00.003.0001.
CRESTRON HARDWARE REQUIRED:	3 Series Processor
SETUP OF CRESTRON HARDWARE:	TCP managed inside the module. An active Ethernet connection with access to the internet is required
VENDOR FIRMWARE:	N/A
VENDOR SETUP:	An active Ethernet connection with access to the internet is required

CONTROL:

PanoptoLogin	D	Signal used to send login credentials to the server after they have been entered by the user
PanoptoServerUrl$	S	Signal used to input the server url into the module
PanoptoUsername$	S	Signal used to input the user name into the module
PanoptoUserPassword$	S	Signal used to input the user password into the module
PanoptoRecorderName$	S	Signal used to input the name of the recorder to use for the session
[PanoptoRecorderIPAddress$]	S	Signal used to input the ip address of the recorder to use for the session
RecordNow	D	Signal used to begin an ad-hoc recording immediately
RecordEarly	D	Signal used to begin a previously scheduled recording early

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RecordStop	D	Signal used to stop a recording in progress
RecordPause	D	Signal used to pause a recording in progress
RecordResume	D	Signal used to restart a paused recording
RecordExtend	D	Signal to extend the current recording by 5 minutes. This feature is only allowed during the last 5 minutes of a scheduled recording
RecordSessionBroadcast	D	Signal used to determine if the recording is to be broadcast or not
RecordPreviewPage	D	Signal used to force the preview page to be visible
RecordPreviewEarlyPage	D	Signal used to force the preview page to be visible early
NewRecordingPage	D	NewRecordingPage D Signal used to force the new recording page to be visible
RecordCancel	D	Signal used to cancel the new recording and go back to the previous state
Back	D	Signal used to go back to the previous page
Reconfigure	D	Signal used to force the page to the initialization page for the purpose of reconfiguring the system
RecordUntil	D	Signal used to force the new session to record until the next session begin
RescheduleConflict	D	Signal used to reschedule a conflicting session
NewRecordingTitle	S	Signal used to enter the new recording title into the module
NewRecordingDurationInSeconds	A	Signal used to input the new recording duration in seconds into the module

FEEDBACK:

Manufacturer$	S	Signal used to output the manufacturer data to the program
Description$	S	Signal used to output the description data to the program
DriverVersionDate$	S	Signal used to output the driver version date to the program
Guid$	S	Signal used to output the Guid data to the program
SupportsFeedback	D	Signal used to indicate that the module supports feedback
PanoptoIsLoggedIn	D	Signal used to indicate that the module is logged in to the Panopto server
PanoptoFeedbackMessageIn	S	Signal used to receive login messages

PanoptoIsRecording	D	Signal used to indicate that the session is recording
PanoptoMessage$	S	Signal used to output messages when the server is transitioning from 1 state to another
PreviewVideoUrl$	S	Signal used to display a static image captured by the recorder camera
PreviewAudioUrl$	S	Signal used to display a static image of the audio histogram captured by the recorder
NewRecordingTitleFB	S	Signal used to output the new recording title to the UI
CurrentSessionName$	S	Signal used to output the current session name to the UI
CurrentSessionTimeSpan$	S	Signal used to output the current session time span to the UI
CurrentSessionReservation$	S	Signal used to output the current session reservation to the UI
CurrentSessionHoursMinutesText$	S	Signal used to output the current session hours minutes to the UI
RecordingIsBroadcast	D	Signal used to indicate that the current session is broadcast
EnableExtendBtn	D	Signal used to enable the extend session button on the UI. This is only available during the last 5 minutes of the scheduled session
EnablePauseBtn	D	Signal used to enable the pause button for the current session. This can only be enabled if the session is not broadcast
UpcomingSessionName$	S	Signal used to output the upcoming session name to the UI
UpcomingSessionTimeToStart$	S	Signal used to output the upcoming session time to start to the UI
UpcomingSessionTimeSpan$	S	Signal used to output the upcoming session time span to the UI
UpcomingSessionHoursMinutesText$	S	Signal used to output the upcoming session hours minutes text to the UI
InitializationPage	D	Signal used to hold the initialization page high
MainPage	D	Signal used to hold the main page high
SubpageAvailableAllDay	D	Signal used to hold the available all day subpage high
SubpageAvailableUpcomingMeeting	D	Signal used to hold the available upcoming meeting subpage high
SubpageNowRecording	D	Signal used to hold the now recording subpage high
SubpagePreview	D	Signal used to hold the preview subpage high
SubpagePauseRecording	D	Signal used to hold the pause recording subpage high
SubpageRecordNow	D	Signal used to hold the record now subpage high

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SubpageRecorderLoading	D	Signal used to hold the recorder loading subpage high
SubpagePreviewEarly	D	Signal used to hold the preview early subpage high
SubpageOffline	D	Signal used to hold the offline subpage high
SubpageConflictingSessions	D	Signal used to hold the conflicting sessions subpage high
EnableLoggingFB	D	Signal used to enable logging
LoggingBtnText	S	Signal used to set Logging Button text

TESTING:

OPS USED FOR TESTING:	CP3N: v1.503.3386.36662
SIMPL WINDOWS USED FOR TESTING:	4.09.04
DEVICE DB USED FOR TESTING:	95.00.002.00
CRES DB USED FOR TESTING:	68.07.001.00
SYMBOL LIBRARY USED FOR TESTING:	1063
SAMPLE PROGRAM:	3-Series: Panopto Demo v1.3.smw
REVISION HISTORY:	v1.0 – Initial Release v1.1 – Various bug fixes, improved logging, replaced RecordNowDuration subpage with smart object on RecordNow subpage. v1.2 – An optional IP Address has been added which can be used in addition to the user name when logging into a recorder. The driver now utilizes the pagination in the Panopto protocol in order to address a recorder in a pool of recorders larger than 25. Various bug fixes. V1.3 – Identified a problem with the pagination process that started happening around version 5.8.0.44467 with version 1.00.002.0001 of the Panopto.dll file. Regenerated the API using NetCFSvcUtil.exe and embedded the API back into the dll. Modified the pagination object in the try access remote recorder method to get it to change pages to maintain access to a pool of recorders larger than 25. Performance improvements.

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