

**Partner: SnapAV**  
**Model: All DVR/NVR**  
**Device Type: DVR/NVR**



**GENERAL INFORMATION**

<b>SIMPLWINDOWS NAME:</b>	Luma Navigation IP
<b>CATEGORY:</b>	DVR/NVR
<b>VERSION:</b>	1.6
<b>SUMMARY:</b>	This module controls a Luma DVR/NVR via TCP/IP. <b>If controlling a 310, please follow the Luma Documentation IP 310 Only documentation file.</b>
<b>GENERAL NOTES:</b>	<p>This module was designed and tested with a WPS-500-NVR-4CH.</p> <p>The device's IP Address, username, and password must be obtained through the device itself and entered as parameters. Default username and password is admin, admin and the IP address can be found in the networking tab in the device's settings.</p> <p>This module supports an XPANEL 2.0 Smart Graphics control module via Ethernet. The Smart Graphics control module presents a GUI corresponding with the DVR/NVR's remote control functions.</p>
<b>CRESTRON HARDWARE REQUIRED:</b>	3 Series processor is required.
<b>SETUP OF CRESTRON HARDWARE:</b>	TCP/IP on a per-request basis in SIMPL+. Module Parameters must be entered for the module to function.
<b>VENDOR FIRMWARE:</b>	<p>V3.1.2, Build 150522</p> <p>Set WEB Authentication to digest/basic in Security Settings.</p> <p>Disable CGI authentication in Advanced Network Settings.</p>
<b>VENDOR SETUP:</b>	None
<b>CABLE DIAGRAM:</b>	None

**CONTROL:**

<b>MENU</b>	D	Goes to the menu (settings).
<b>ESC</b>	D	Returns from previous window. Changes from live mode to playback mode and vice versa.
<b>PLAY</b>	D	Goes to playback mode. Plays in playback mode.
<b>PLAYSINGLE</b>	D	Play forward, single frame
<b>PREVIEW</b>	D	Goes to live mode.
<b>ZERO</b>	D	Channel 10

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ONE	D	Channel 1
TWO	D	Channel 2
THREE	D	Channel 3
FOUR	D	Channel 4
FIVE	D	Channel 5
SIX	D	Channel 6
SEVEN	D	Channel 7
EIGHT	D	Channel 8
NINE	D	Channel 9
LEFTARROW	D	Navigate left. Pre Button.
RIGHTARROW	D	Navigate right. Next Button.
UPARROW	D	Navigate up. Pre Button.
DOWNARROW	D	Navigate down. Next button.
ENTER	D	Enter current button.
PTZ	D	Go to PTZ control menu only for channel 1.
SNAPSHOT	D	Snapshot the current preview channel.
STARTREC	D	Start recording the current preview channel.
STOPREC	D	Stop recording the current preview channel.
SEARCHON	D	Open search menu.
SEARCHOFF	D	Close search menu.
LISTON	D	Open list menu.
LISTOFF	D	Close list menu.
MUTEON	D	Disable audio
MUTEOFF	D	Enable audio

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PREEVENT	D	Playback the previous event in either live view or playback view.
NEXTEVENT	D	Playback the next event only in playback view.
JUMPBACK	D	Reverse 15 seconds
JUMPFORWARD	D	Forward 15 seconds
GOTOLIVE	D	Goes to live view
PLAYREVERSE	D	Plays in reverse
PLAYPAUSE	D	Pause
VIEW1	D	Enter single window live view or playback view.
VIEW4	D	Enter four window live view or playback view.
VIEW9	D	Enter nine window live view or playback view.
VIEW16	D	Enter sixteen window live view or playback view.
VIEW1_5	D	Enter 1+5 window playback
VIEW1_7	D	Enter 1+7 window playback
SEQUENCE	D	Start sequence
FULLSCREENON	D	Enter full screen
FULLSCREENOFF	D	Exit full screen
HELP	D	Goes to help menu.
POWER	D	Power off
EDIT	D	Delete forward one character in current selected editing.
A	D	Switch type method when soft-keyboard pops up
F1	D	In list, select all items.
F2	D	Switch tab in secondary menu.
ZOOMPLUS	D	Zooms In
ZOOMMINUS	D	Zooms Out

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FOCUSPLUS	D	Focuses In
FOCUSMINUS	D	Focuses Out
IRISPLUS	D	Iris In
IRISMINUS	D	Iris Out
PAUSE	D	Pause
PLAYFWD_1X	D	Play forward, 1x speed
PLAYFWD_2X	D	Play forward, 2x speed
PLAYFWD_4X	D	Play forward, 4x speed
PLAYFWD_8X	D	Play forward, 8x speed
PLAYREV_1X	D	Play reverse, 1x speed
PLAYREV_2X	D	Play reverse, 2x speed
PLAYREV_4X	D	Play reverse, 4x speed
PLAYREV_8X	D	Play reverse, 8x speed
ARCHIVEON	D	Open archive/export menu
ARCHIVEOFF	D	Close archive/export menu
SENDMOTIONEMAIL_DIS_ALL	D	Disable email for motion on all cameras
SENDMOTIONEMAIL_EN_ALL	D	Enable email for motion on all cameras
SENDMOTIONEMAIL_DIS[1-16]	D	Disable email for motion for camera x where x is 1-16
SENDMOTIONEMAIL_EN[1-16]	D	Enable email for motion for camera x where x is 1-16
SENDALARMEMAIL_DIS_ALL	D	Disable email for alarm on all cameras
SENDALARMEMAIL_EN_ALL	D	Enable email for alarm on all cameras
SENDALARMEMAIL_DIS[1-16]	D	Disable email for alarm for camera x where x is 1-16
SENDALARMNEMAIL_EN[1-16]	D	Enable email for alarm for camera x where x is 1-16
RECORDSCHEDULE_DIS_ALL	D	Disable record schedule for all cameras

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RECORD_SCHEDULE_EN_ALL	D	Enable record schedule for all cameras
RECORDSCHEDULE_DIS[1-16]	D	Disable record schedule for camera x where x is 1-16
RECORDSCHEDULE_EN[1-16]	D	Enable record schedule for camera x where x is 1-16
PRIVACYMASK_DIS[1-16]	D	Disable privacy mask for camera x where x is 1-16
PRIVACYMASK_EN[1-16]	D	Enable privacy mask for camera x where x is 1-16
SET_CAMERA	A	Sets the camera number you'd like to switch the preset on. 1-16
SET_PRESET	A	Sets the preset number you'd like to recall. 1-255

**PARAMETER:**

Device_ip\$	S	IP Address of DVR/NVR
Username\$	S	Username for DVR/NVR Device
Password\$	S	Password for DVR/NVR Device

**TESTING:**

OPS USED FOR TESTING:	RMC3 1.010.0060
SIMPL WINDOWS USED FOR TESTING:	4.02.65
DEVICE DB USED FOR TESTING:	65.05.003.00
CRES DB USED FOR TESTING:	51.05.007.00
SYMBOL LIBRARY USED FOR TESTING:	944
SAMPLE PROGRAM:	Luma Navigation IP Demo
REVISION HISTORY:	V1.6 – Updated documentation notes V1.5 – Added recall preset V1.4 – Added apis commands from 2018JAN18 V1.3 – Increased buffer size of simpl+ module http request. V1.2 – Add 1 second delay between sending commands. V1.1 – Added commands, fixed bugs

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V1.0 – Original Release