

H.264 Windowing Processor

NMX-WP-N3510 (FGN3510)



Overview

The NMX-WP-N3510 H.264 Multi-Channel Windowing Processor functions with the N3000 Series family of Video over IP Encoders and Decoders and are capable of handling multiple real-time H.264 streams. This rack-mount appliance accepts up to nine video streams as inputs from SVSI N3000 Series H.264 Encoders (or other third-party main- or high-profile H.264 streams) and outputs one windowed HD video stream for local viewing through an HDMI port or in streaming format to a remote hardware or software decoder.

The combined IP video stream transports H.264 compressed at various resolutions, providing an IT friendly solution for media distribution on the existing network. Digital signage, TV and PC content can be delivered in any combination for viewing on a single large display or a video wall through SVSI N3000 Decoders.

With the SVSI NMX-WP-N3510 H.264 Multi-Channel Windowing Processor, image configuration can be adjusted dynamically through a simple-to-use web interface. Images can be cropped, scaled, and positioned according to the stored presets or in any user-defined configuration. The web interface allows the user to position and stretch windows through drag-and-drop/resize or directly setting values. Common tools like “Snap & Grid” are available to help align window edges. Borders, backgrounds, presets, text overlays, mode and input streams can also be manipulated. A variety of presets make it easy to change the image configuration

on the fly allowing seamless switching between presets and seamless switching between video streams within a preset. Just like the SVSI NMX-WP-N2510 Multi-Channel Windowing Processor, the SVSI NMX-WP-N3510 can be stacked to window more than nine H.264 streams to a single display.

Specifications

VIDEO	
Signal Types	Network video over Ethernet via RJ45
Input Resolutions	Input Stream <ul style="list-style-type: none"> • Pixel clock between 27 MHz - 150 MHz • Minimum resolution of 720x480p • Maximum horizontal resolution of 1920 or a vertical resolution of 1080
Note	Input resolutions supported @60Hz refresh rates are also supported @59.94Hz.
Output Resolutions	HD Up to 1080p60.
Video Encoding	Supports H.264 High Profile.
Video Decoding	Supports H.264 video Main and High Profile for third-party equipment. Baseline Profile not supported.
AUDIO	
Encoding/Decoding	AAC audio
LATENCY	
Latency	250ms
COMMUNICATIONS	
Network Stream In/Out	Network Standards: MPEG-TS, RTP, RTSP
PORTS	
Power	One 120 Volt AC power input
Network	8-wire RJ45 female. 10/100/1000 Mbps 10/100/1000Base-T auto-sensing gigabit Ethernet switch port. Provides network connection to the Windowing Processor. Main and high profiles are supported. (Baseline profile is not supported.)
DVI	DVI-D female; HDMI/DVI digital video/audio output. Allows for video and embedded digital audio output.
CONTROLS AND INDICATORS – FRONT PANEL	
ON/OFF button	Press to apply or remove power to the unit.
POWER LED	On solid (blue) when operating power is supplied (via local power supply).
HDD LED	On flashing (red) when there is hardware disk drive activity.
POWER SUPPLY	

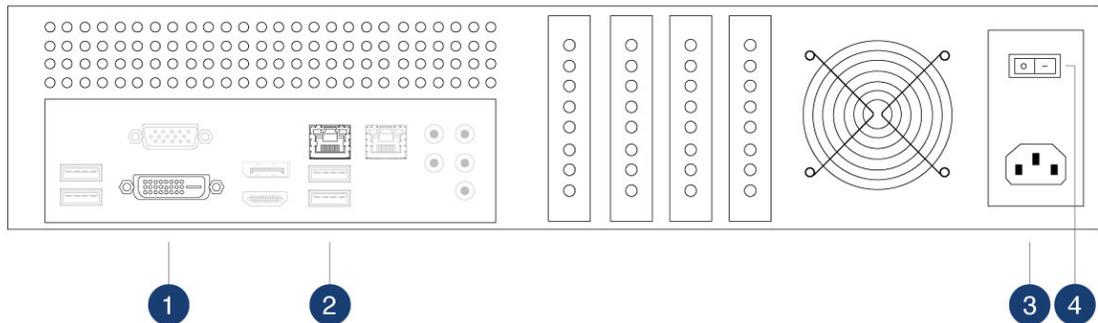
Power Supply, Internal	1.0 Amp @ 120 Volts AC; 100-240 Volts AC power supply;
ENVIRONMENTAL	
Temperature	32° to 104°F (0° to 40°C)
Humidity	10% to 90% RH (non-condensing)
Heat Dissipation	Up to ~44 BTU/Hr
GENERAL	
Dimensions (HWD)	3.5" x 17.25" x 15.5" (8.9 cm x 43.8 cm x 39.4 cm)
Weight	19 lbs (8.6 kg)
Regulatory Compliance	FCC, CE, and NTRL

NMX-WP-N3510 Front View



- 1) On/Off / Reset Buttons
- 2) Status Indicators

NMX-WP-N3510 Rear View



- 1) DVI-D Video Output
- 2) RJ-45 auto-sensing gigabit Ethernet switch port
- 3) Power Input
- 4) Power On/Off Switch

About AMX by HARMAN

Founded in 1982 and acquired by HARMAN in 2014, AMX® is dedicated to providing AV solutions for an IT World. AMX solves the complexity of managing technology with reliable, consistent and scalable systems comprising control, video switching and distribution, digital signage and technology management. AMX systems are deployed worldwide in conference rooms, classrooms, network operation/command centers, homes, hotels, entertainment venues and broadcast facilities, among others. AMX is part of the HARMAN Professional Group, the only total audio, video, lighting, and control vendor in the professional AV market. HARMAN designs, manufactures and markets premier audio, video, infotainment and integrated control solutions for the automotive, consumer and professional markets. Revised 9.28.15. ©2015 Harman. All rights reserved. Specifications subject to change.

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