

# Network Video Recorder

NMX-NVR-N6123 (FGN6123)



## Overview

The NMX-NVR-N6123 is a network video recorder (NVR) designed to record hours of high-resolution, HD content over an Ethernet LAN. This rack-mount NVR is compatible with all SVSI video-over-IP products and attaches to the video network at any point. The NMX-NVR-N6123 can record from any SVSI encoder (N1000, N2000, N3000, or V-Series) and uses any SVSI decoder in the same series for playback. Each video stream is recorded and played back at its original resolution. The NMX-NVR-N6123's 2RU form-factor is stackable for a high density of recorded video streams in a small footprint. SVSI's N-Command is used to control all of the product's features (including Time-Shift, Dual-Sync, and H.264 Conversions).

## Time-Delayed Broadcast

Time-Shift mode allows a recording to be delayed from several seconds to several hours to coordinate between different venues. Recordings can be initiated at one location and playback started at a separate location. This feature is supported by the N2000 and N3000 Series only.

## Multi-Channel Synchronous Recording

Dual-Sync mode records two separate video streams simultaneously at different resolutions and bit-rate and plays them back synchronously. This feature is supported by the N2000 Series only. Common applications for Dual-Sync mode include:

- During a presentation, the NVR records one video stream from a camera (videoing the presenter) while the second video stream records the content that the presenter is displaying on-screen.
- During a lecture or worship service, the NVR records two camera feeds (focused on the same event, but from different angles) and the cameras' common audio track.

The NMX-NVR-N6123 is ideal for educational institutions, houses of worship, or corporate campuses that want to simultaneously distribute live video through a facility and record it for future network transmission or other delivery methods.

#### Features

- **Record** – Up to 40-hrs of 1080p video.
- **Dual-Sync and Time-Shift** – Features standard.
- **Supported resolutions:**
  - HDTV: up to 1080p
  - CG: up to 1600x1200
- **Stereo audio** – On each record channel.
- **Store** – To MPEG4 format at original resolution.

#### Specifications

Recording and Playback Streams			
Stream Source	No. Channels	Recording Streams	Playback Streams
N1000	1	1	1
N2000	1	2 (dual) <sup>1</sup>	2 (dual) <sup>1</sup>
N3000	10	10 <sup>2</sup>	10 <sup>2</sup>

<sup>1</sup>N2000 has a single channel that allows for single or dual channel recording and playback. A dual recording has both streams in one file and can be converted to separate MPEG files.  
<sup>2</sup>Recording and playback channels can be synchronously started using a hold and release mechanism.

Estimated Recording Time: 1080p sources at high quality	
Stream Source	Recording Time
N1000	4 hours 43 minutes
N2000	43 hours 27 minutes <sup>1</sup>
N3000	434 hours 39 minutes <sup>1</sup>

<sup>1</sup>Estimated based on average data bit rate. The final recording time will vary.

Estimated MPEG Conversion Rate: Convert 1 hour of 720p video to MP4	
Stream Source	Recording Time
N1000	4 hours 43 minutes
N2000	43 hours 27 minutes <sup>1</sup>
N3000	434 hours 39 minutes <sup>1</sup>

<sup>1</sup>Estimated based on average data bit rate. The final recording time will vary.

Estimated Conversion Size: 1 hour of 720p video	
Format	Conversion Size
MP4 (newer format)	2.8 - 3.3 G <sup>1</sup>

MOV (older compatibility format)	2.8 - 3.3 G <sup>1</sup>
<sup>1</sup> Approximate time. Contents of video can greatly affect this time.	

Time to Copy from one NVR to another NVR	
Network Type	Time to Transfer 1 GB
1 Gbit	45.2 sec <sup>1</sup>
<sup>1</sup> Approximate time. Network usage can lower the transfer rate.	

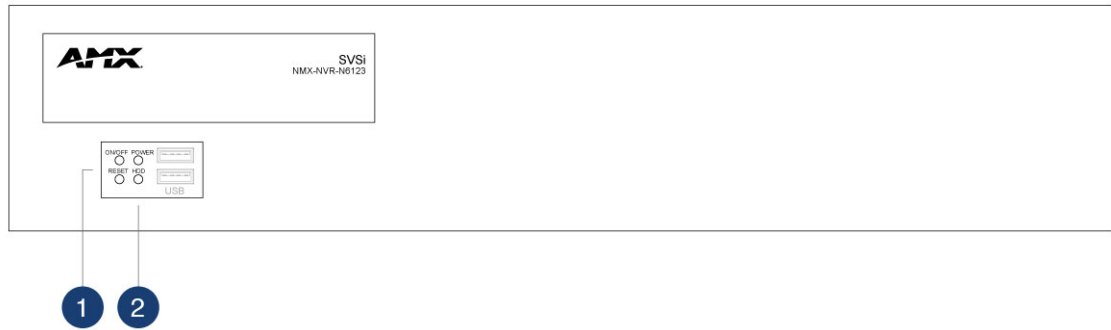
Ports	
Power	One 120 Volt AC power input
Network	8-wire RJ45 female. 10/100/1000 Mbps 10/100/1000Base-T auto-sensing gigabit Ethernet switch port. Provides network connection to the Windowing Processor. Main and high profiles are supported. (Baseline profile is not supported.)
DVI	DVI-D female; HDMI/DVI digital video/audio output. Allows for video and embedded digital audio output.

LEDs and Buttons	
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	
Power Requirements	1.0 Amp @ 120 Volts AC
Power Supply	100-240 Volts AC power supply

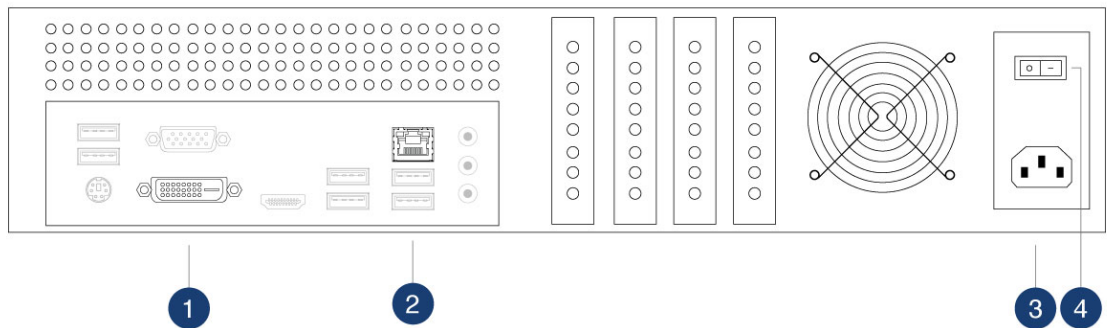
Physical		
Rack Mounting	Mounting ears included in shipment.	
Environmental	Temperature	32° to 104°F (0° to 40°C)
	Humidity	10% to 90% RH (non-condensing)
	Heat Dissipation	Up to ~44 BTU/Hr
Dimensions	Height	3.5 inches (8.9 cm)
	Width	17.25 inches (43.8 cm)
	Depth	15.5 inches (39.4 cm)
Weight	16 lbs (7.25 kg)	
Compliance	FCC, CE, and NTRL	

## NMX-WP-N6123 Front View



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

## NMX-NVR-N6123 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 10.6.15. ©2015 Harman. All rights reserved. Specifications subject to change.

[www.amx.com](http://www.amx.com) | +1.469.624.7400 | 800.222.0193