



Hybrid Recorder

NSR-400

4-Channel HDMI 1080P Recording and Streaming Encoder



**Four HDMI sources.
One recorder, one stream.**

1080P60

Max. resolution

4

HDMI inputs

5

Recording channels
(CH1-4 + PGM)

2

Streaming channels
(PGM)

NSR-400 is a CAVE hybrid recorder and streaming encoder with four HDMI inputs. It records each channel and the PGM mix to USB storage, switches between full-screen, quad-view, PBP and PIP layouts, and streams the PGM output to the network without a PC.

1

4 HDMI Inputs

Four HDMI inputs with embedded audio plus four 3.5 mm audio inputs, as well as RTSP network video and image or video files.

2

Record Up to 5 Channels

Record CH1-CH4 and the PGM mix to USB storage (FAT, exFAT, NTFS) as MP4, TS or MOV, in video + audio, video only or audio only mode.

3

Live Streaming

Stream the PGM output over TS (TCP / UDP / HTTP), RTSP, RTMP (publish) and HLS, in unicast or multicast. Up to 2 streaming channels.

4

PGM Layouts and Overlays

Full screen, quad-view, picture-by-picture (PBP) or picture-in-picture (PIP, custom size), with up to 4 overlay layers of text, images and date / time.

5

Easy Control

Local console with USB mouse and keyboard, a web admin page, RS-232 / RS-485 remote management, HDMI multi-view preview and RTSP network preview.

6

Compact Installation

250 × 130 × 42 mm, 1.2 kg and 12 W. Recordings can be uploaded to FTP, CIFS or NFS.

Specifications



ItemSpecification		
■ Recording and Streaming	Max. Resolution	1920×1080p @60/50fps
	Max. Recording Channels	5 (CH1/2/3/4 + PGM)
	Max. Streaming Channels	2 (PGM)
	Video Input	4 × HDMI; network video (RTSP); image and video files
	Audio Input	4 × 3.5 mm audio jack; HDMI embedded audio
	Input Resolutions	1920×1080 (i60/i50, p60/p50/p30/p25/p24), 1280×720 (p60/p50), 1280×1024 (p60), 1280×960 (p60), 1024×768 (p60), 800×600 (p60), 720×480 (p/i60), 640×480 (p60), 720×576 (p/i50)
	Video Encoding	H.264 / AVC, Baseline / Main / High Profile @4.1; bit rate up to 64 Mbps
	Audio Encoding	AAC-LC, 32–384 kbps; 48 kHz, 16-bit
	Output Resolutions	320×240 to 1920×1080 (p60)
	Streaming	TS over TCP / UDP / HTTP (unicast and multicast); RTSP over HTTP / TCP / UDP / Multicast; RTMP (publish); HLS
	Recording	USB format: FAT, exFAT, NTFS; video format: MP4 / TS / MOV; mode: video + audio, video only, audio only
	File Uploading	FTP, CIFS, NFS
■ PGM and Network	PGM Mode	Full screen, quad-view, PBP, PIP (custom size)
	Audio Mixer (PGM)	CH1–4 embedded audio, 3.5 mm audio jack audio
	Overlay	Up to 4 layers of text, images, date / time (static / scrolling effect)
	Director and Management	Local console (USB mouse / keyboard), web admin
	Preview	HDMI (PGM, multi-view); network (RTSP)
	Remote Management	RS-232 / RS-485
	Network Protocol	DHCP, HTTP, NTP, FTP
■ Interface	Video Input	4 × HDMI
	Audio Input	4 × 3.5 mm audio jack
	Video Output	2 × HDMI (PGM, multi-view)
	Audio Output	1 × 3.5 mm audio jack
	USB	2 × USB 2.0 host (mouse, keyboard); 1 × USB 3.0 host (USB drive / external hard drive)
	Network	1 × RJ-45, 10/100/1000 Mbps Ethernet
	Control	1 × RS-485 (4-pin Phoenix); 1 × RS-232
■ General	Input Voltage	DC 12V / 2A (secure power connector)
	Power Consumption	12 W
	Dimensions (W×D×H)	250 × 130 × 42 mm
	Weight	1.2 kg
	Temperature	Operating 0°C–40°C; storage –40°C–60°C
	In the Box	NSR-400 device, power adapter, quick start guide, warranty card