



Hybrid Recorder

NSR-200

2-Channel 1080P Recording and Streaming Encoder

Record, mix and stream from one compact box.



1080P60

Max. resolution

3

Recording channels
(CH1 + CH2 + PGM)

2

Streaming channels
(PGM)

SDI

SDI, HDMI, DVI, analog
and IP inputs

NSR-200 is a CAVE hybrid recorder and streaming encoder. It takes SDI, HDMI, DVI/VGA and analog sources as well as USB UVC cameras and RTSP network video, records to USB storage, mixes two channels into a PGM output and streams to the network, all without a PC.

1

Many Input Types

3G / HD / SD-SDI, YPbPr / CVBS / S-Video (BNC), DVI-I (DVI-D / HDMI, DVI-A / VGA), HDMI, USB UVC cameras, RTSP network video, and image or video files.

4

PGM Layouts and Overlays

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

2

Record Up to 3 Channels

Record CH1, CH2 and the PGM mix to USB storage (FAT, exFAT, NTFS) as MP4, TS or MOV, in video + audio, video only or audio only mode.

5

Easy Control

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

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.

6

Compact Installation

150 × 82 × 40 mm, 0.6 kg and 12 W. Recordings can be uploaded to FTP, CIFS or NFS. 2-year limited hardware warranty.



Specifications



ItemSpecification		
■ Recording and Streaming	Max. Resolution	1920×1080p @60/50fps
	Max. Recording Channels	3 (CH1 + CH2 + PGM)
	Max. Streaming Channels	2 (PGM)
	Video Input	1 × BNC for 3G / HD / SD-SDI; 3 × BNC for YPbPr / CVBS / S-Video; 1 × DVI-I for DVI-D / HDMI and DVI-A / VGA; 1 × HDMI; USB UVC camera; network video (RTSP); image and video files
	Audio Input	1 × RCA for analog L / R audio; 1 × 3.5 mm phone jack; embedded SDI, HDMI, DVI-D audio
	Input Resolutions	1920×1080 (p60/p50/p30/p25/p24, i60/i50), 1280×720 (p60/p50), 1280×1024 (p60), 1280×960 (p60), 1024×768 (p60), 800×600 (p60), 720×480 (p60/i60), 640×480 (p60), 720×576 (p60/i50)
	Video Encoding	H.264 / AVC, Baseline / Main / High Profile @4.1; bit rate up to 32 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
■ PGM and Network	Recording	USB format: FAT, exFAT, NTFS; video format: MP4 / TS / MOV; mode: video + audio, video only, audio only
	File Uploading	FTP, CIFS, NFS
	PGM Mode	Full screen, PBP, PIP (custom size)
	Audio Mixer (PGM)	CH1 and CH2 embedded audio, RCA audio, 3.5 mm phone 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-485
■ Interface	Network Protocol	DHCP, HTTP, NTP, FTP
	Video Input	1 × BNC (3G / HD / SD-SDI); 3 × BNC (YPbPr / CVBS / S-Video); 1 × DVI-I (DVI-D / HDMI, DVI-A / VGA); 1 × HDMI
	Audio Input	1 × RCA analog L / R; 1 × 3.5 mm phone jack
	Video Output	1 × HDMI
	USB	1 × USB 3.0 host (mouse, keyboard, USB storage, UVC camera)
	Network	1 × RJ-45, 10/100/1000 Mbps Ethernet
	Control	1 × RS-485 (4-pin Phoenix)
■ General	Input Voltage	DC 12V / 2A (secure power connector)
	Power Consumption	12 W
	Dimensions (W×D×H)	150 × 82 × 40 mm
	Weight	0.6 kg
	Temperature	Operating 0°C–40°C; storage –40°C–60°C
	Warranty	2 years (limited hardware warranty)
	In the Box	NSR-200 device, power adapter, quick start guide, warranty card