

NVS-33

H.264 Video Streaming Encoder and MP4 Recorder



Features



PROFESSIONAL INPUTS

SDI and HDMI inputs make a versatile encoder for both the broadcast and AV markets

FRONT PANEL BUTTONS

Easy access to adjust bitrate and other menu settings.

STREAM & RECORD

Stream and record simultaneously from a single unit.

- TV broadcast preview monitor
- Video effects including: Lumakey, PiP window, and Split Screen
- XLR audio input to embed audio from your mixer

Overview

The NVS-33 is an H.264 video encoder that can stream and record simultaneously. It has HD-SDI and HDMI video inputs as well as RCA audio inputs, making it ideal for both broadcast and AV markets. Once the IP address is set and saved, the NVS-33 generates an H.264 encoded stream that is compliant with RTSP, RTMP, and HLS protocols, and records a MP4 file to a removable SD card. Variable bit-rates can be selected for high quality recording of streams up to 15 Mbps. The NVS-33 also supports de-interlace video streaming for progressive outputs, making it compatible for use with popular CDN's such as Facebook and Youtube. It also allows analog audio to be embedded in real time.

Recommended Accessories

DataVideo:

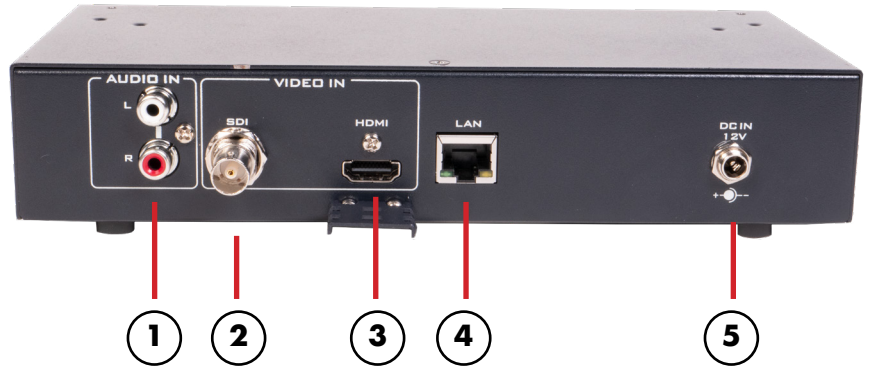
- HS-1600T
- RMK-1 - 1U Rackmount Kit
- dvCloud
- Compatible Cameras: PTC-140T, PTC-140TW, PTC-150TL, PTC-150TLW

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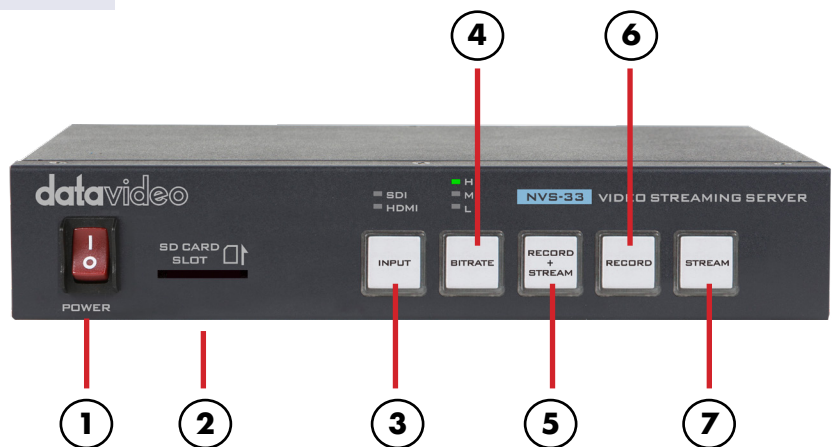
Rear Panel I/O Function

1. RCA Unbalanced Audio Input
2. SDI Input
3. HDMI Input
4. LAN
5. DC IN 12V



Front Panel

1. Power switch
2. SD Card Slot
3. INPUT Button
4. BITRATE Button
5. RECORD+STREAM Button
6. 11RECORD Button
7. STREAM Button



Installation and Cable Recommendations

1. CAT5e solid core ethernet cable
2. CB-60 HDMI Active Optical Cable - 30M
3. CB-61 HDMI Active Optical Cable - 50M
4. CB-62 HDMI Active Optical Cable - 100M

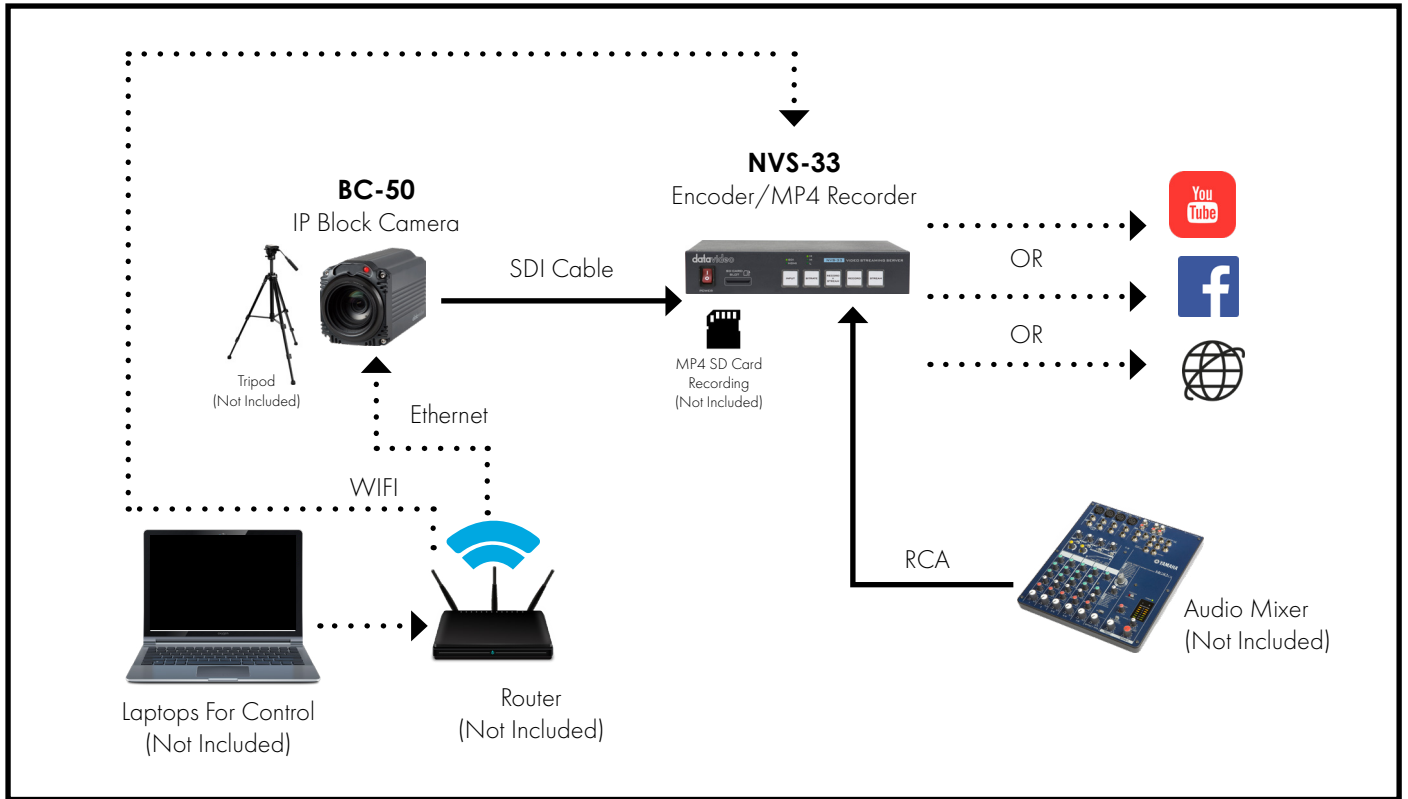
Recommended SD Cards

KINGSTON	SDHC C10	16GB
SANDISK Extreme	SDXC C10 U3 V30	64GB
SONY	SDXC C10 U1	64GB
SANDISK Extreme PRO	SDXC C10 U3	128GB
SONY	SDXC C10 U3	64GB
TOSHIBA	SDHC C10	16GB
SANDISK Extreme	SDHC C10	16GB
SANDISK ULTRA®	ULTRA SDHC SDXC UHS-I	128GB
ADATA Premier Pro	microSDXC UHS-I	64GB
	U3 Class 10	

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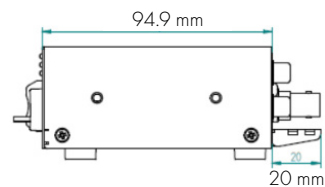
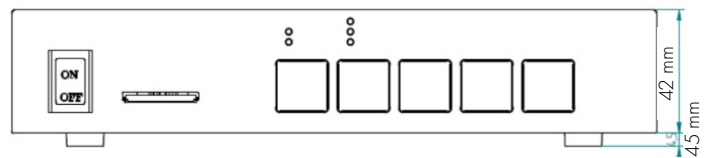
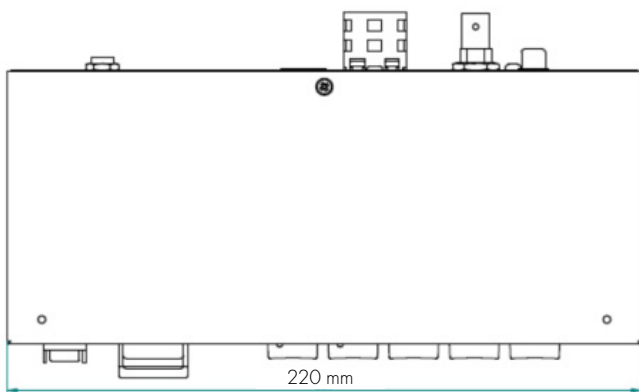
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Workflow



Dimensions

All measurements in millimeters (mm)



Specifications

Interface	
Video Input	HDMI x 1
Audio Input	SDI Embedded Audio x 1 HDMI Embedded Audio x 1 1 RCA Unbalanced audio pair (Audio Level: +10/+12dB ~ -6dB) Mixed Audio (Embedded + RCA)
Video Encoding	H.264/ AVC , Main / High Profile Configurable bit rate up to 10Mbps
Supported Input Video Resolution	1080p60/59.94/50 1080p30/29.97/25/24/23.98 1080i60/59.94/50 720p60/59.94/50 480i59.94, 576i50
Video Output	Video downscalable to 128 x 128
Video Encoding Mode and Bitrate	Record&Stream: Up to 10Mbps(1080p25/30) Record Only: Up to 15Mbps(1080p50/60) Stream Only: Up to 10Mbps(1080p50/60)
Audio Sampling Rate	48KHz, 16bit
Storage Media	SD Card
Storage File System	FAT & NTFS
Supported Stream Platforms	TS over TCP/UDP (unicast & multicast) RTSP over HTTP/TCP/UDP (RTSP Elementary Stream) RTMP (Publish) / RTMPS SRT over UDP
Recording File Format	MP4 and TS (TS format is currently under development)
Firmware Update	Via Web UI
Others	
Power	DC 12V
Operating Temperature	0°C to 40°C (32°F to 122°F)
Storage Temperature	-10°C to 60°C
Operating Humidity	10 % to 80 % (non-condensing)
Web UI Languages	English / Traditional Chinese / Simplified Chinese /
Dimensions	220(W) x 115(D) x 45.5(H) mm

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What's in the Box

- 1 x NVS-33 product
- 1 x AD Switch DC 12V
- 1 x Thank You Card

Applications

- Live Event Meeting
- Tradeshow
- Townhall
- Government Event
- Worship
- Sports
- Musical Performances.

Available Documents to Download

1. Instruction Manual
2. IP Finder
3. Firware update
4. Certificates



For more info, visit www.datavideo.com/nvs-33



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