

# STREAM IN TOUGH CONDITIONS

INDUSTRY,  
ASSET,  
& NETWORK  
AGNOSTIC



**-20° to +70°C**

Wide temperature operating range with passive cooling

**Compact Design**

Meets SWaP (size, weight & power) requirements

**Rugged IP67 Rated**

Dust, and water resistant

## Compact, rugged, encoder designed for the most demanding environments.

Powered by Nodestream™ proprietary technology, the NSR™ is a 4-channel ultra-low latency encoder that delivers high-quality video and audio from digital sources at resolutions up to 1920x1080p60. The NSR™ encoder features a rugged IP67 rated weather proof chassis, complemented by high performance components, providing secure and reliable video, audio, and data. It's SWaP (size, weight & power) design makes it ideal for use with unmanned assets.

### Key Features

- Rugged IP67 rated
- Passive cooling
- -20° to +70°C operating range
- Compact design
- Dust and water resistant
- Industrial connectors
- Low power



**Ultra-low Bandwidth**  
Bit rates up to 5 Mbps and as low as 8 Kbps.



**Secure**  
Military grade security with 384-bit encryption and rolling keys.



**High Quality**  
Delivers decision making quality video even at extremely low bit rates.



**Low Latency**  
Respond in real-time to mission critical operations.



**On-the-fly control**  
Real-time user settings configuration



**Frame Synchronous Data\***  
Maximise data integrity and performance. Synchronize and transmit flawlessly.



**Scalable**  
Multiple channels giving you as much coverage as you need.



**Forward Error Correction**  
Ensures error-free communication in even the most challenging environments.

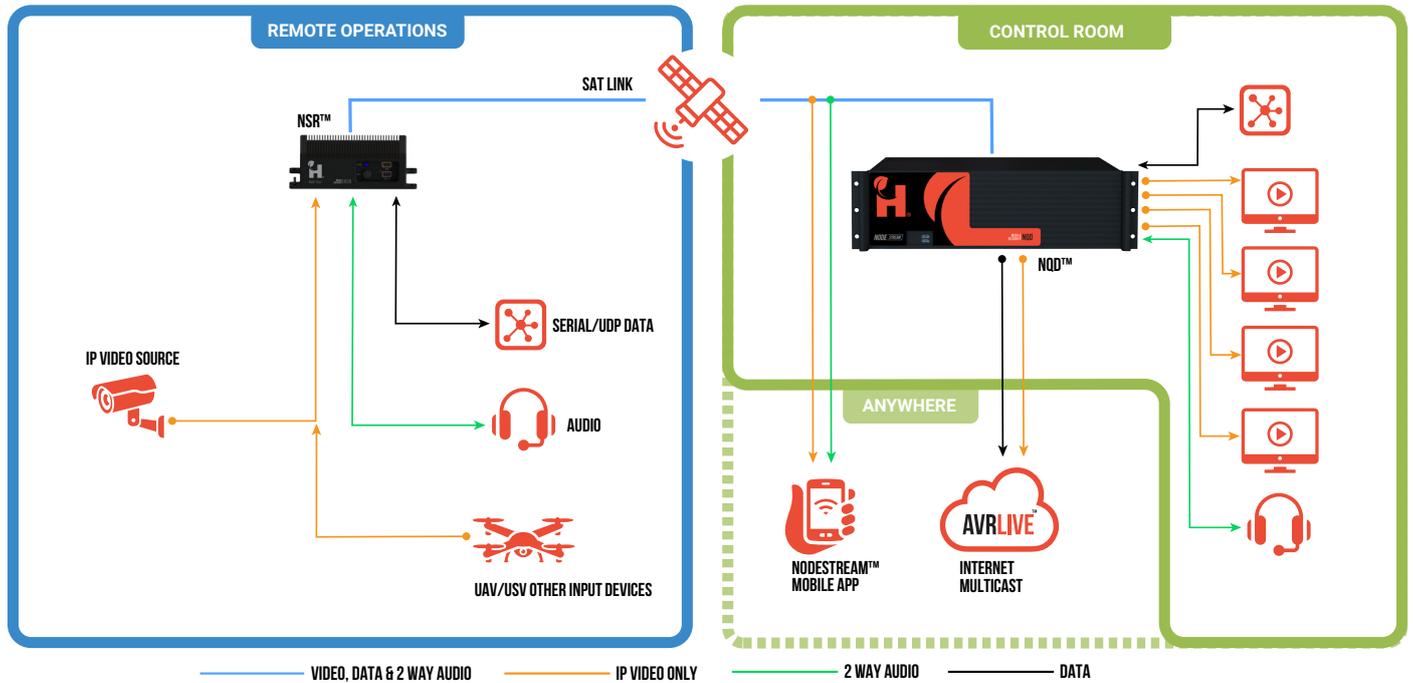


**Use Agnostic**  
Compatible across all industries, assets, and networks.



**Next Gen Compression**  
Encode streams in bandwidth efficient H.265 HEVC.

# Typical NSR™ Configuration



## Technical Specifications

Channels	Simultaneous	4
Physical	Dimensions (H x W x D)	63mm x 210mm x 130mm (2.48" x 8.27" x 5.12")
	Weight	2kg (4.41lbs)
Power	Input voltage	9 to 28VDC
	Power consumption (typical)	10W
Environmental	Operating temperature	-20°C to 70°C / -4°F to 158°F
	Humidity	Operating: 0% to 90% (non-condensing)
Video	HDMI output	Up to 4K/30
	USB video source	Uncompressed YUV 4:2:0 / MJPEG
Network Streams	Supported protocols	RTSP/RTP/HTTP/UDP (MPEG, H.264, H.265)
Other Interfaces	USB	Type A 3.0
	Serial	RS232, M12 A-coded
	Ethernet	2 x M12 X-coded, 10/100/1000
Included Accessories	Ethernet cable	M12 X-coded to RJ45 @1m
	Power cable	M12 A-coded to Terminal @1m
	Serial cable	M12 A-coded to D9 @1m
	PSU	12V 40W ACDC
	Power cable	IEC13 (region specific)

**>300,000**  
OPERATIONAL  
**HOURS**  
SINCE 2020

**>5 MILLION**  
**HOURS**  
REDUCTION  
IN HSE EXPOSURE

**>\$400**  
**MILLION**  
IN OPERATIONAL  
SAVINGS

**≤90%**  
REDUCTION  
IN CARBON  
FOOTPRINT



For more information on how Harvest can enable your remote operations please visit [www.harvest.technology](http://www.harvest.technology)