



# A STREAMING WORKHORSE

INDUSTRY,  
ASSET,  
& NETWORK  
AGNOSTIC

Best-in-class video, audio, & data streaming for secure real-time decision making in industrial environments



## Ultra-Low Bandwidth Video

Bit rates up to 5 Mbps and as low as 8 Kbps

## End-to-End Solution

Complete low bandwidth solution for encoding, streaming, and decoding

## Industry Proven Tech

>300,000 operational hours logged

The NQ Series is a 4-channel encoder/decoder designed to stream HD video, audio, and data, “node-to-node” on a secure network.

Ultra-low bandwidth, low latency, providing high quality, flexibility, and industrial reliability for the most constrained networks in the remotest locations.

Extremely secure, and field-proven, the NQ series is powered by Nodestream™ proprietary technology and can be combined into a complete optimised solution for encoding, streaming, and decoding with centralised management and remote control.

### Key Features

- Adaptable input configurations for video, audio, data and network
- Supports IP, HDMI, HD-SDI & Composite video formats\*\*
- Integrated Nodecom™ 2 way audio
- Industry proven technology with >300,000 operational hours
- Multi-cast livestreaming



**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.



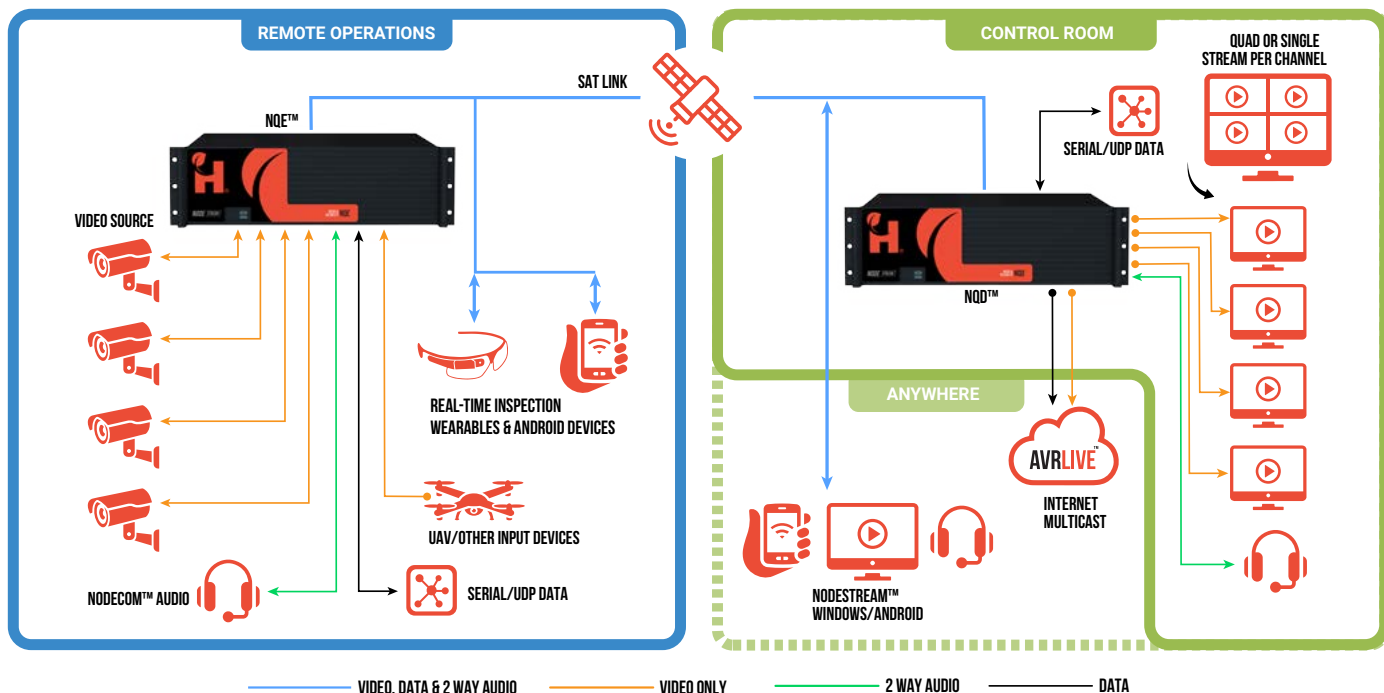
**Use Agnostic**  
Compatible across all industries, assets, and networks.



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

\*RIS™ Mode Only

# Typical NQD/E™ Configuration



## Technical Specifications

		NQE	NQD
Channels	Simultaneous	4	
Physical	Dimensions (H x W x D)	132mm x 440mm x 380mm (5.2" x 17.32" x 14.96")	
	Weight	8.2kg (18.01lbs)	8.0kg (17.64lbs)
Power	Input voltage	100-240VAC - 47/63Hz	
	Power consumption	150W (operating) 100W (idle)	
Environmental	Operating temperature	0°C to 35°C / 32°F to 95°F	
	Operating humidity	0% to 90% (non-condensing)	
Video	HDMI inputs - up to 1080p/60	4	-
	SDI inputs - up to 1080p/60 **	4	-
	Composite inputs - up to 576p/30 **	6	-
	USB video source	Uncompressed YUV 4:2:0 / MJPEG	
	Mini Display Port output 4k/60	4	
Network Streams	Supported protocols	RTSP/RTP/HTTP/UDP (MPEG, H.264, H.265)	
Other Interfaces	Ethernet - RJ45, 10/100/1000	2	1
	Serial	1 x 9-pin D male, RS-232	
	USB type A	Up to 8	
	Analog audio	3.5mm, 4 pole TRRS	
Included Accessories	USB speakerphone	Jabra Speak 510	
	Mini Display Port to HDMI adapter	1	4
	Power cable	IEC13 (region specific)	

\*\* Optional module

**>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)