

# H.265 ENCODING FOR HIGH QUALITY, LOW BANDWIDTH VIDEO DISTRIBUTION



## Reduce Bandwidth and Increase Quality of Full Motion Video with Delta Digital Video's Latest Generation of H.265 Video Encoders

Utilizing the H.265 (HEVC) video compression algorithm, our encoders provide high-quality video transmission at various resolutions and a wide range of bandwidths. The H.265 compression algorithm utilizes highly bit-efficient coding to provide encoded streams at nearly half the bandwidth of its H.264 predecessor. It also provides high-quality video encoding at relatively low bit rates, for both High Definition (HD) and Standard Definition (SD).

This increased efficiency allows for more channels to be transmitted over a given bandwidth, better quality video for constrained bandwidth applications, or lower bandwidth operation to extend the limits of intelligence, surveillance, and reconnaissance (ISR) operation and reduced storage size requirements. Our units are also designed with an H.264 mode for backwards compatibility. The H.265 encoder product line includes:

- ✓ Single Channel
- ✓ Dual Channel
- ✓ Quad Channel
- ✓ Rackmount Dual Channel

### Model 7840R 4-Channel HD/SD H.265 Video Encoder, Rugged

The Model 7840R is a rugged, HD/SD video encoder extending support for multi-channel applications while maintaining the same size, weight, and power (SWaP) of our Model 7820R dual-channel unit. The Model 7840R provides flexibility with simultaneous support for H.265 and H.264, along with both HD/SD-SDI and composite video formats.



### Model 7805R H.265 HD/SD Video Encoder, Rugged

Despite high performance and low latency, the Model 7805R encoder power comes in at just under 10 Watts. Measuring less than 20 cubic inches and weighing only a half-pound, it is an ideal solution for SWaP constrained platforms.

In addition to a fully configurable network interface, it offers a PCM output for systems requiring a synchronous serial interface. The unit is easily configured for operation with any sensor and network.



Designed and Build in the U.S.A., Used and Supported Worldwide

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## Model 7821 2-Channel HD/SD H.265 Video Encoder, Rackmount

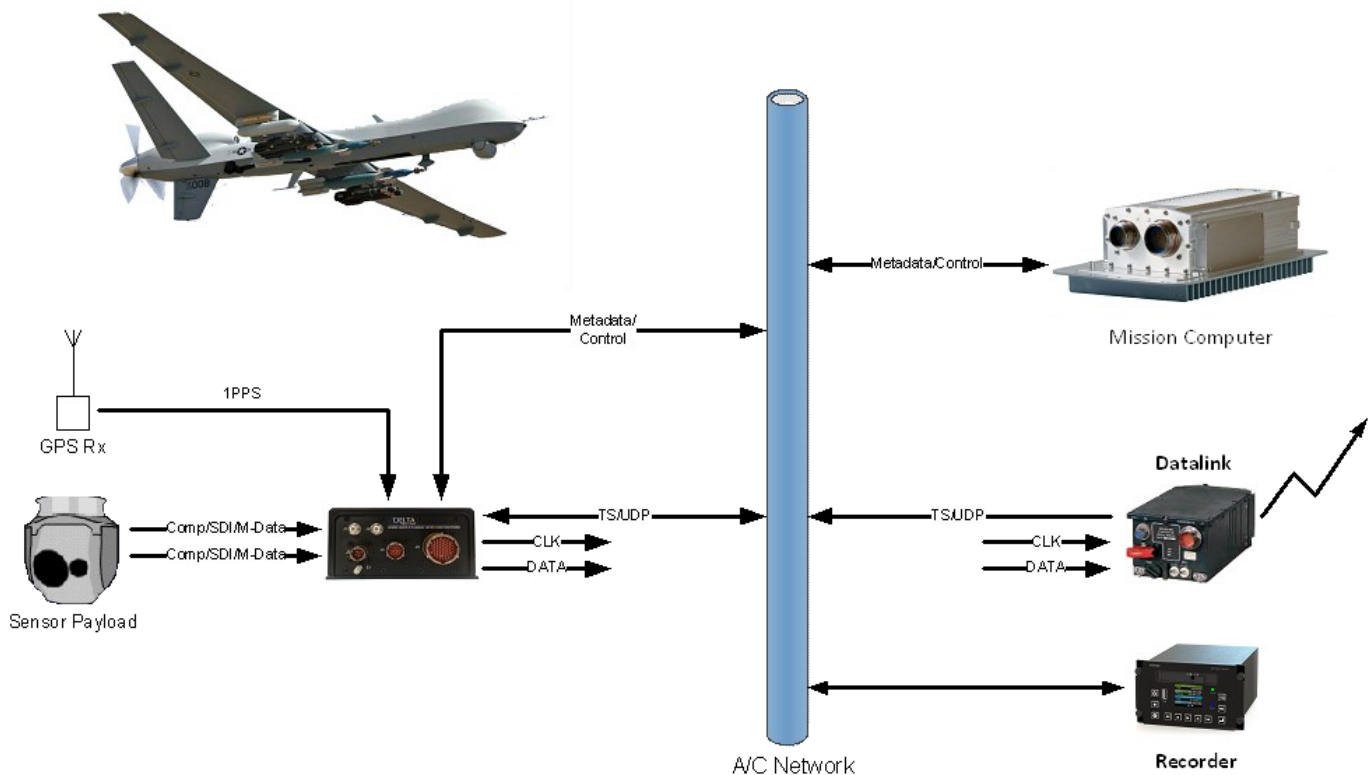
The Model 7821 is the rackmount version of our Model 7820R rugged unit. The Model 7821 offers easy integration into commercial and industrial video distribution applications or benign ISR environments. It is compliant with video-over-IP protocols and MISB/ STANAG requirements, ensuring interoperability for ISR missions.



Our H.265 Video Encoder applications include:

- ✓ Airborne Manned & Unmanned Systems
- ✓ Range Telemetry
- ✓ Persistent Surveillance Systems
- ✓ Ground Station Processing
- ✓ Flight Test
- ✓ Shipboard Video Distribution
- ✓ Ground Vehicle Systems

## Typical Unmanned Aerial Vehicle (UAV) Encoder Configuration



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