Technical Information

Resolutions and Speeds:
- 1280x720 @ 30Hz
- 640x480 @ 60Hz
- Resolution customizable

Latency:
- Low latency

Supported Image Formats:
- Graylevel 8-bit as standard
- Other formats available

Metadata Format and Size:
- User defined
- Fully customizable
- Byte array format
- Variable length

Software Solution:
- Dynamic or Static library
- Flexible licensing

User Options:
- Quality
- Resilience
- Packet size
- AES-256 encryption
- Multithreading

Inputs:
- Single image
- Video stream

Outputs:
- Byte stream
- Packets

Operating System:
- Windows
- Linux
- Customizable

Transmission Pipeline

Camera → Encoder → Packet Buffer → Wireless Transmission → Packet Buffer → Decoder → Display
Rate-Distortion: SSIM

Increasing Interference Rate - Distortion: SSIM

BER=10e-8

BER=10e-7

BER=10e-6

BER=10e-5

BER=10e-4

BER=10e-3

BER=10e-2

BER=10e-1
Bit Error Rate (BER)

* JPEG not able to encode video at 250Kbps