



Pre = Proc

- ① Downsample
- ② Compress : JPG
- ③ Encoder

Radio - TX

- ① ECC
- ② Modulation
- ③ Transmit

Radio - RX

- ① Receive
- ② Demod

Post = Proc

- ① ECC
- ② Decompress : JPG
- ③ Upsample

Ideas :

- Iteratively downsample
- Retries (TCP)
- Split transmission into packets
- 2-way comms? Ask Miki!
- JPG implementation - how to loop?
- ECC - if channel reliable enough, we use simple checksum, o/w we send more bits to recover from errors
↳ depends on duplex channel
- Downsampling : DFT vs. Wavelets
- Do we know ~~if~~ which image is cartoon/natural? ← JPG-2000?
- Cartoon img b/w?
- Digital methodology — would analog method + compressed sensing be worth it?



Goals :

- ① End - 2 - End compression