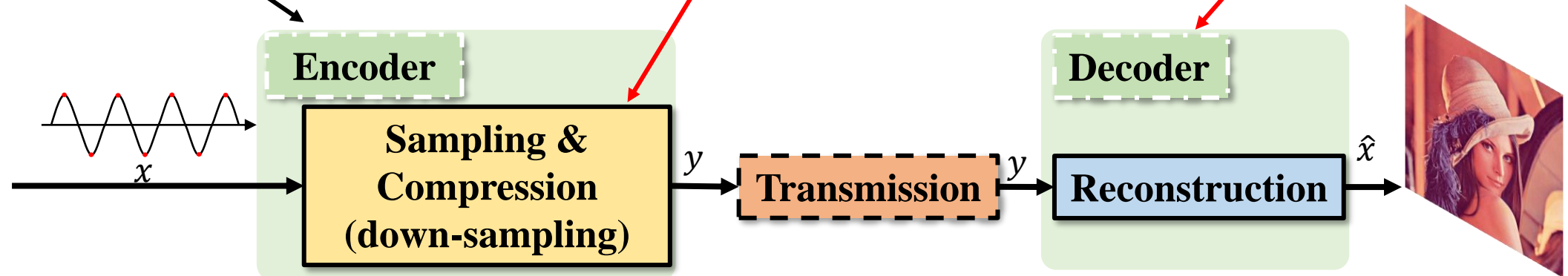


Compressive sensing (CS) [1,2] is proposed to break the limitation of the sampling theorem.

- ▶ Saves hardware during sampling process
- ▶ Decrease the data dimension to achieve down-sampling

In terms of bits per pixel (bpp), the compression is still not satisfied

NP-hard problem, demands extensive computational resources, making it challenging for real-time applications.



[1] Donoho, David L. "Compressed sensing." *IEEE Transactions on information theory* 52.4 (2006): 1289-1306.

[2] Baraniuk, Richard G., et al. "Compressive video sensing: Algorithms, architectures, and applications." *IEEE Signal Processing Magazine* 34.1 (2017): 52-66.