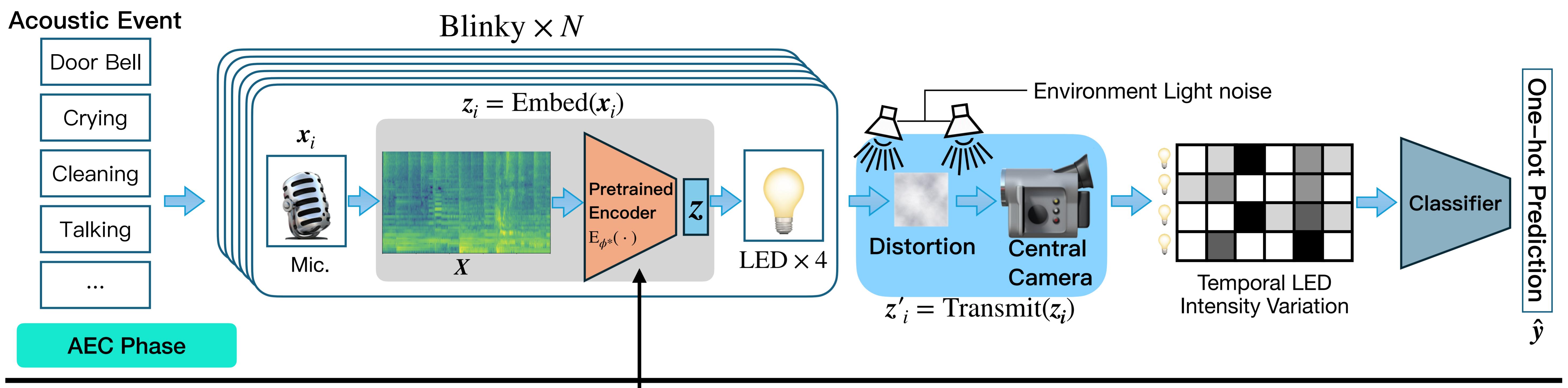


Acoustic Event

- Door Bell
- Crying
- Cleaning
- Talking
- ...

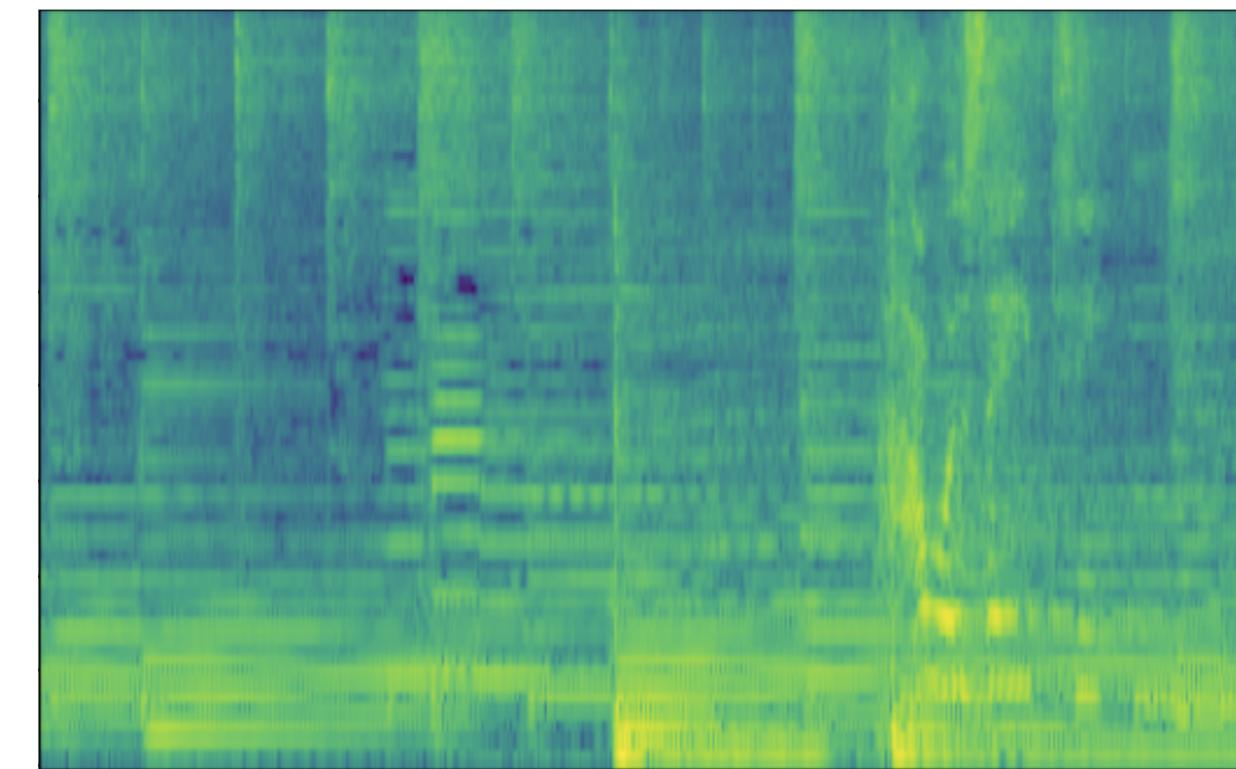
Blinky $\times N$



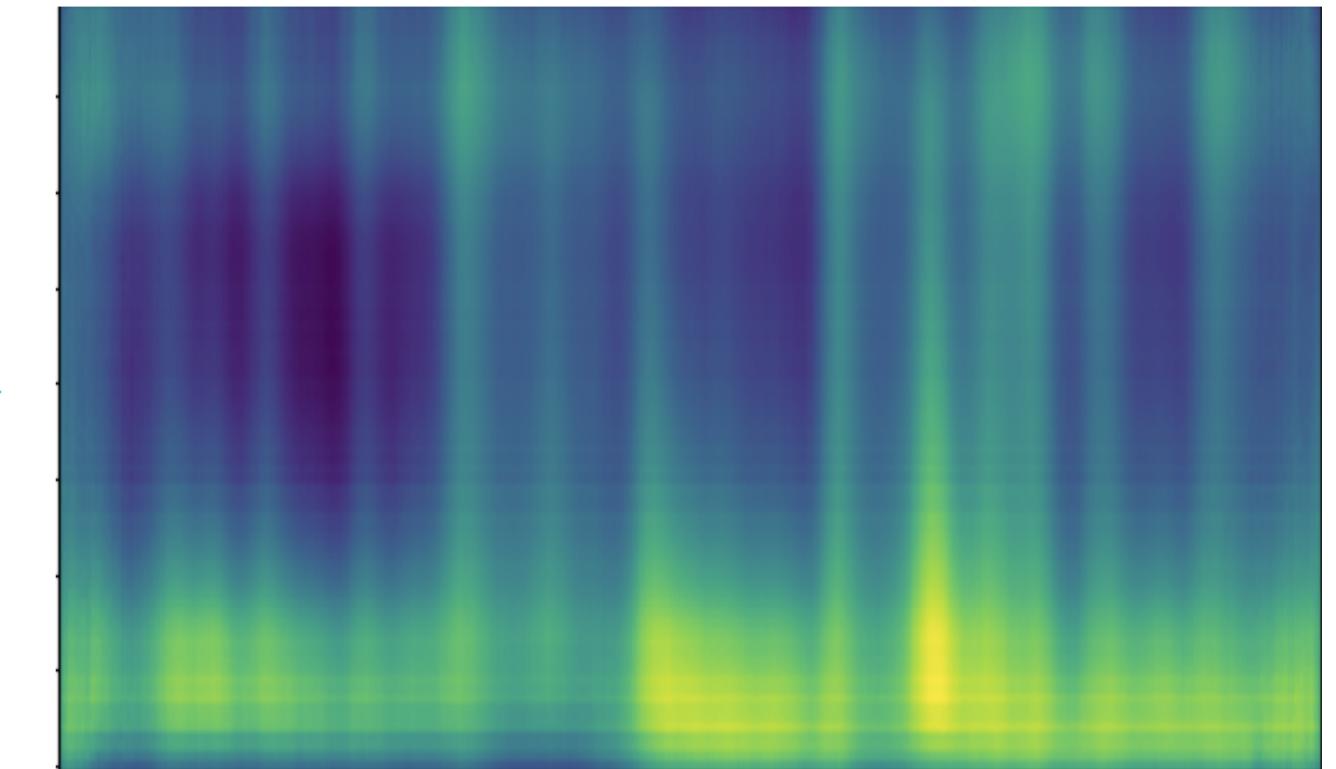
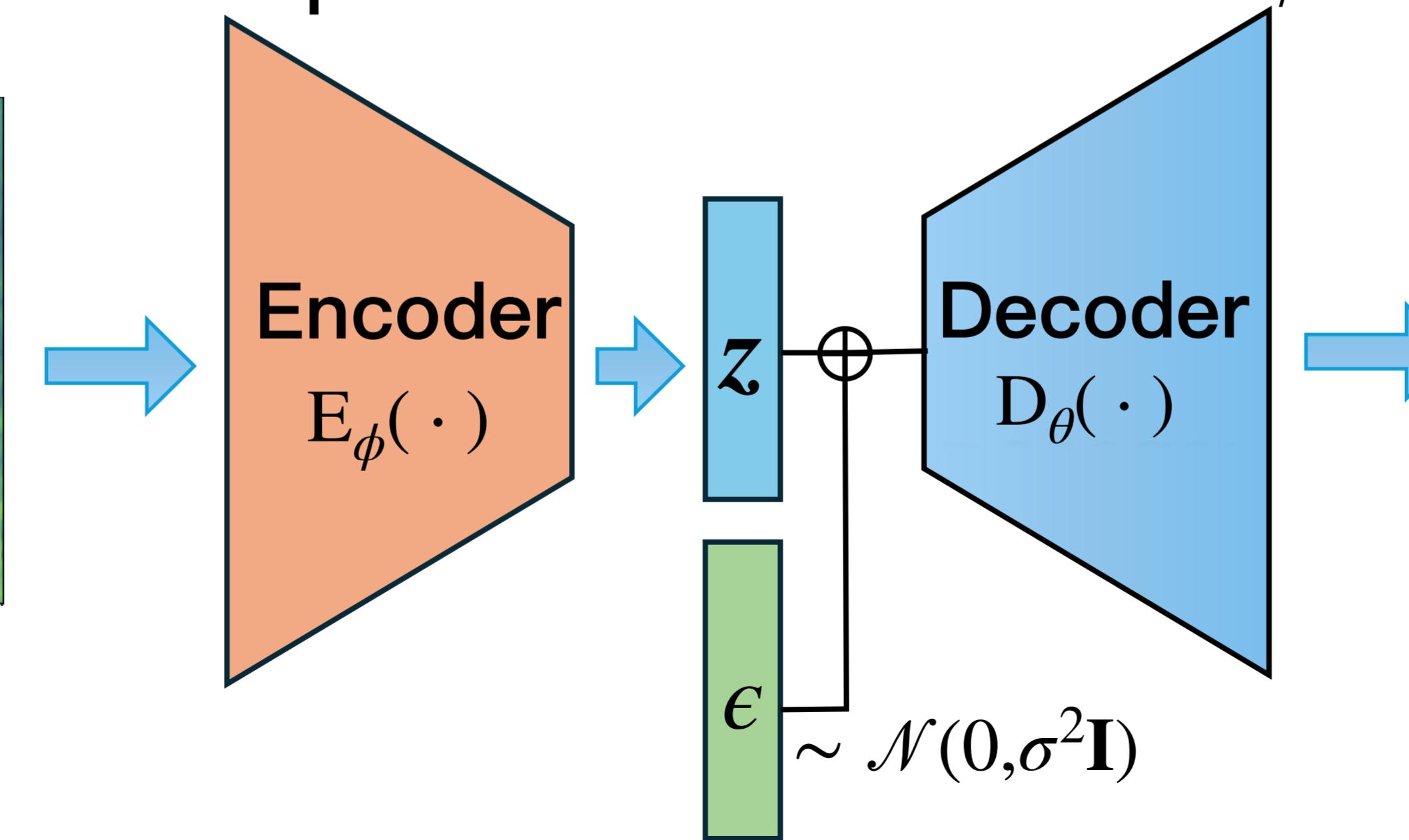
AEC Phase

Pretraining Phase

Use only pre-trained Encoder E_{ϕ^*}



Log-Mel Spectrogram X



Reconstructed \hat{X}

\oplus : Element wise additive

One-hot Prediction \hat{y}