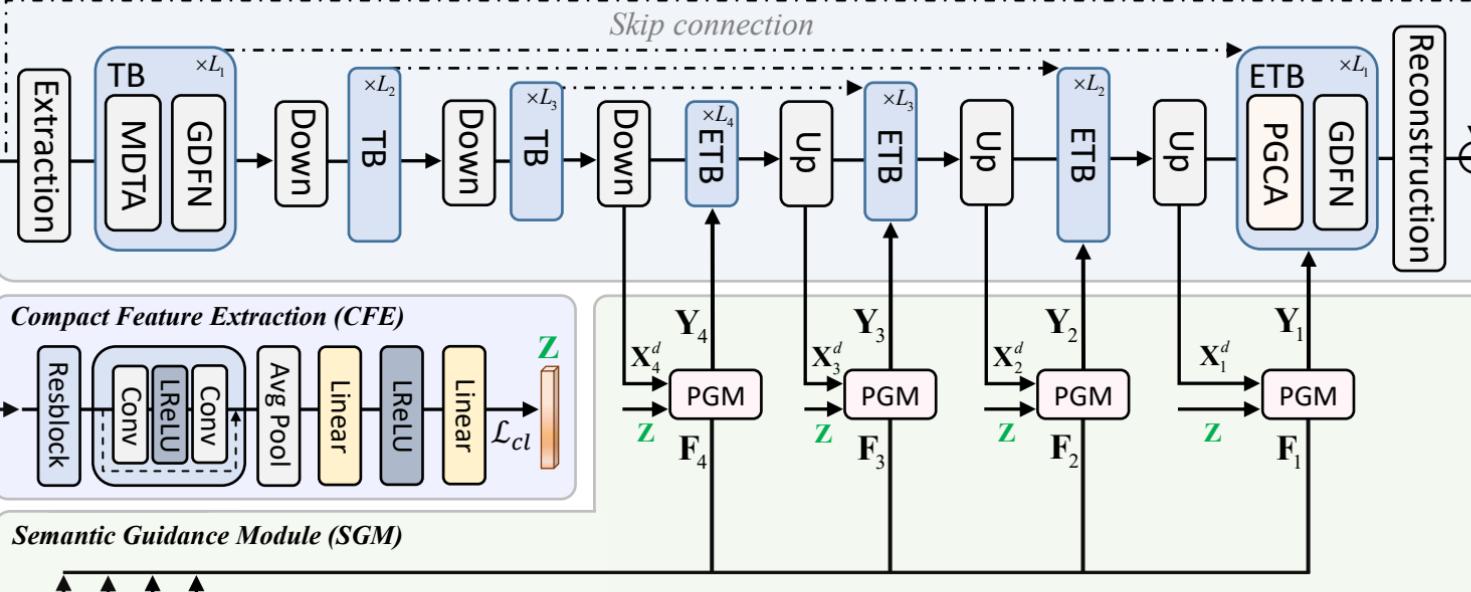


### Restoration Branch (RB)



### Degraded

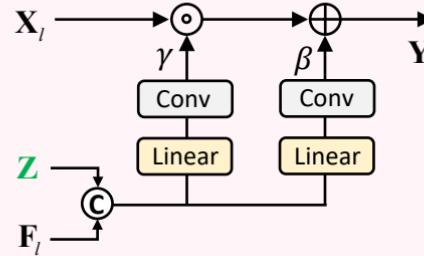


**Sec. III-D**  
Quality-aware Learning Strategy

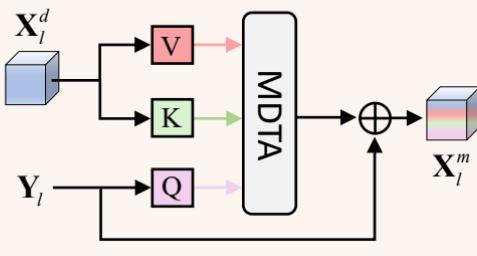
$$\mathcal{L}_{total} = \mathcal{L}_{rec} + \lambda_1 \mathcal{L}_{cl} + \lambda_2 \mathcal{L}_{clip} + \lambda_3 \mathcal{L}_{dpl}$$

Sec. III-E Sec. III-D

### Prompt Guidance Module (PGM)



### Prior Guidance Cross Attention (PGCA)



- Element-wise Multiplication
- ⊕ Element-wise Addition
- © Concatenation

Frozen