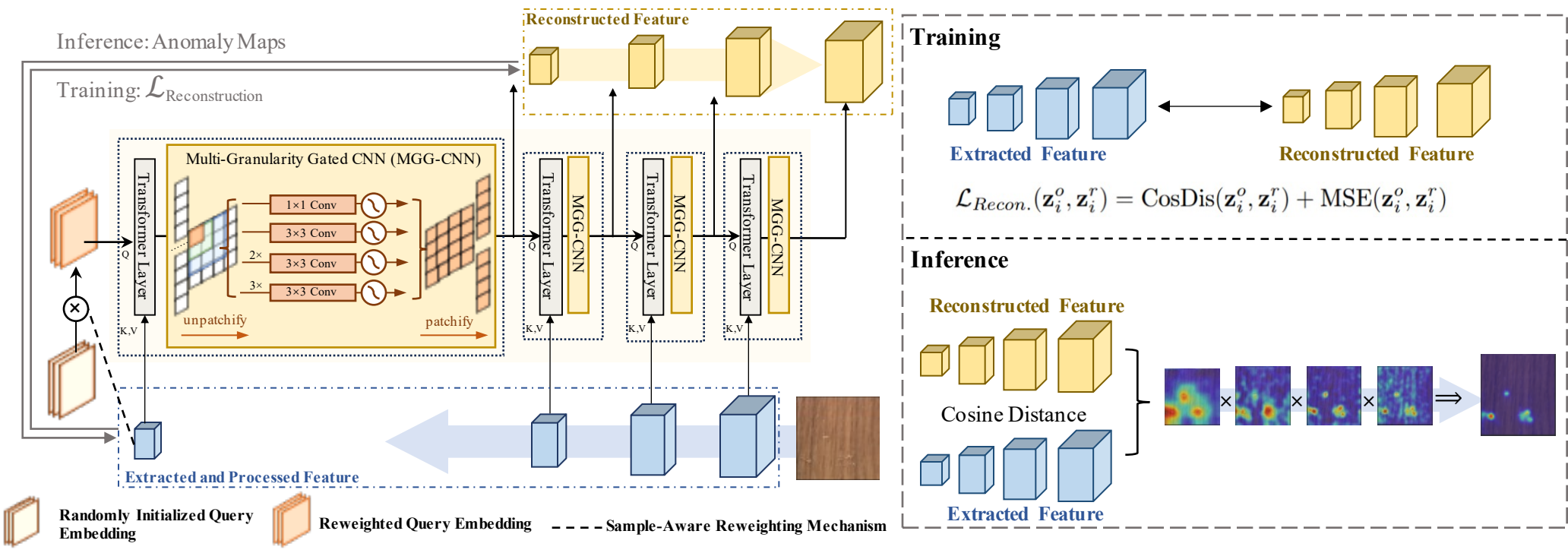
Inference: Anomaly Maps
Training: $\mathcal{L}_{\text{Reconstruction}}$
Reconstructed Feature
Multi-Granularity Gated CNN (MGG-CNN)
Transformer Layer
MGG-CNN
1×1 Conv
3×3 Conv
3×3 Conv
3×3 Conv
2×
3×
unpatchify
patchify
Q
K,V
Extracted and Processed Feature
Randomly Initialized Query Embedding
Reweighted Query Embedding
Sample-Aware Reweighting Mechanism
Training
Extracted Feature
Reconstructed Feature
$\mathcal{L}_{Recon.}(\mathbf{z}_i^o, \mathbf{z}_i^r) = \text{CosDis}(\mathbf{z}_i^o, \mathbf{z}_i^r) + \text{MSE}(\mathbf{z}_i^o, \mathbf{z}_i^r)$
Inference
Reconstructed Feature
Cosine Distance
Extracted Feature