Hyperparameter Sensitivity Analysis

Learning Rate Sensitivity

72.5%

- Default (α=0.05)
- Optimal

Top-1 Accuracy (%) vs **Learning Rate (α)**

Confidence Threshold Sensitivity

- Default (τ=0.15)
- Optimal

Top-1 Accuracy (%) vs **Confidence Threshold (τ)**

Number of Prompts vs Performance/Speed

- Accuracy
- Latency

Top-1 Accuracy (%) / **Latency (ms)** vs **Number of Prompt Templates**

Text-Visual Weight Ratio
(When Few-Shot Examples Available)

74.1%
□ Optimal

71.8% 72.3% 72.7% 73.8% 73.2% 71.9% 68.4%

Top-1 Accuracy (%) vs **Text Weight / Visual Weight**

1.0/0.0 0.9/0.1 0.8/0.2 0.7/0.3 0.6/0.4 0.5/0.5 0.3/0.7 0.0/1.0