

Test PR UniAD P-PR OneNIP P-PR UniAD P-ROC OneNIP P-ROC UniAD I-ROC OneNIP I-ROC Epoch

(a) Qualitative comparisons on selected common (left three columns) and camouflaged (right three columns) anomaly images.

(b) Testing metrics (I-ROC, P-ROC and P-PR) comparisons as a function of training epoch on MVTec testing set.

Fig. 1: Comparisons of state-of-the-art UinAD and our OneNIP. The proposed OneNIP detects anomalies through learning comparison with one normal image as a visual prompt. Compared to UniAD, OneNIP enjoys more accurate anomaly localization (a) and faster convergence (b).