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# Depth-Supervised Fusion Network for Seamless-Free Image Stitching

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## 1 A Supplementary Material

2 In this document, we provide more qualitative evaluations of our method.

3 **Comparison with Feature Based Methods.**

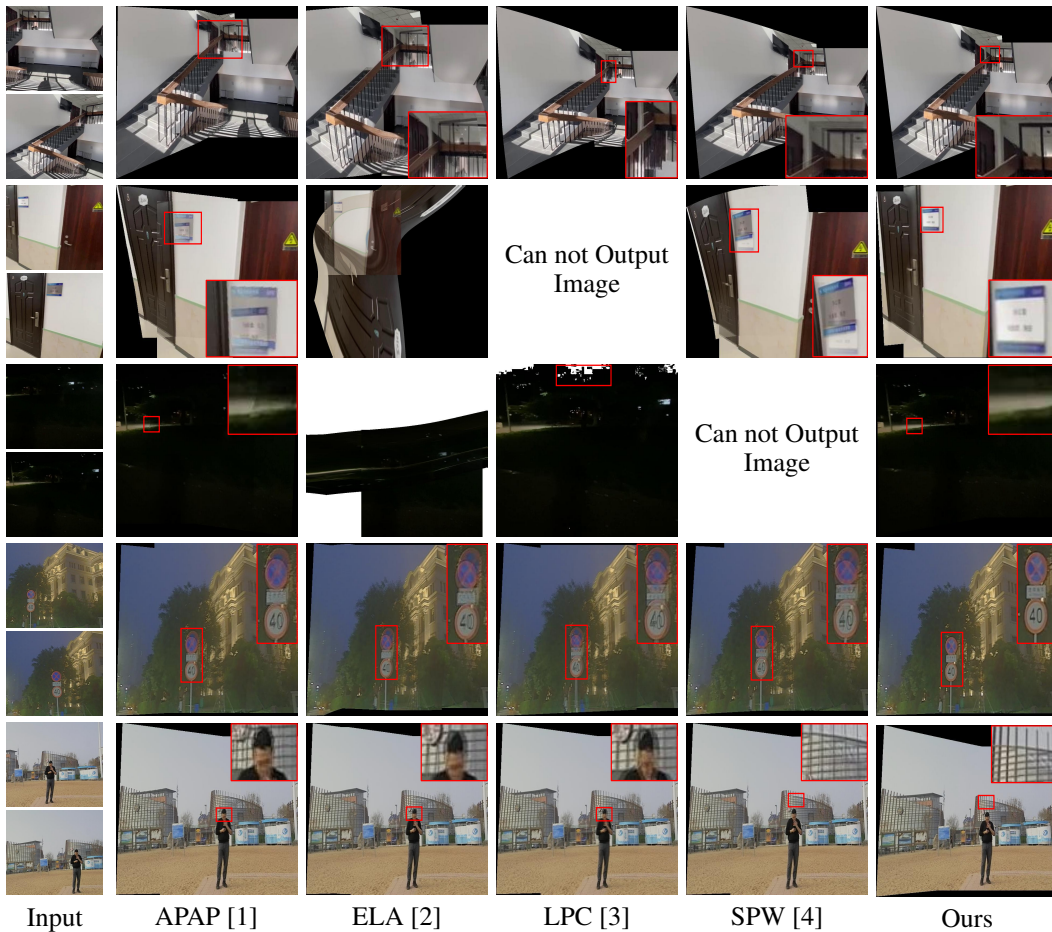


Figure 1: Visual comparison between feature based methods and the proposed method on UDIS-D and IVSD datasets.

We present additional visual comparisons between our method and feature based image stitching methods. As shown in Fig. 1, in challenging scenarios, such as low-light conditions, matte images, or images with textureless overlapping regions, some baseline methods fail to produce valid outputs. In contrast, the proposed method consistently generates high-quality stitched results.

#### Comparison with Deep Learning Based Methods.



Figure 2: Visual comparison between deep learning based stitching methods and the proposed method on UDIS-D and IVSD datasets.

We further compare our method with state-of-the-art deep learning based stitching methods. While most existing deep learning methods produce roughly aligned results, our approach achieves significant improvements in fine details and eliminates minor structural artifacts, as demonstrated in Fig. 2.

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