Supplementary Materials for "IDEA-Net: Adaptive Dual Self-Attention Network for Single Image Denoising"

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1. More Results on Real-World Image Noise Removal

Figure 1. Comparisons of real-world image noise removal results w.r.t. PSNR on the PolyU dataset [5]. □ denotes the selected image region for comparison and □ indicates the dual self-attention region drawn by our IDEA-Net. Best viewed in colour and zoomed mode.

2. More Results on AWGN Image Noise Removal

Figure 2. Comparisons of AWGN denoising results in terms of PSNR on the (C)BSD68 dataset [2, 4] with σ valued as 25 and 50. □ denotes the selected image region for comparison and □ indicates the dual self-attention region drawn by IDEA-Net. Best viewed in colour.

3. More Results on Image-Denosing-based Face Detection in Low-light and Noisy Scenes

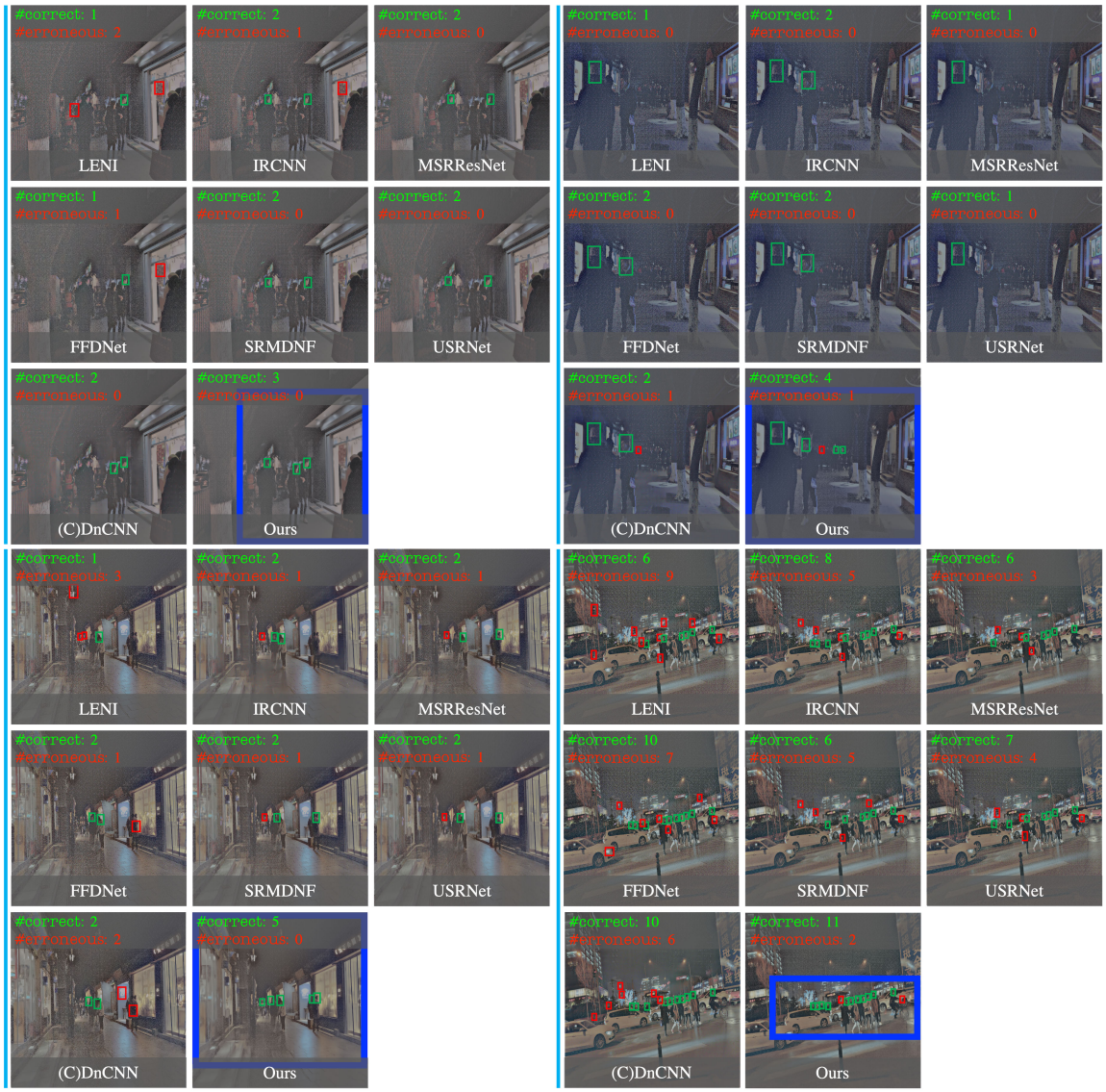

Figure 3. Performance comparisons of real-world dark/noisy face detection on the DARK FACE dataset [7]. Light-Enhanced Noisy Image (LENI) is yielded by MSRCR [1]. Detection results are generated by a RetinaNet [3] that pre-trained on the WIDER FACE dataset [6]. □ and □ respectively represents the correct and erroneous detections. □ indicates the dual self-attention region drawn by IDEA-Net. Best viewed in colour and zoomed mode.

References

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