Supplementary Materials for

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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 \cite{2, 3} with $\sigma$ valued as 25 and 50. $\uparrow$ denotes the selected image region for comparison and $\square$ 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