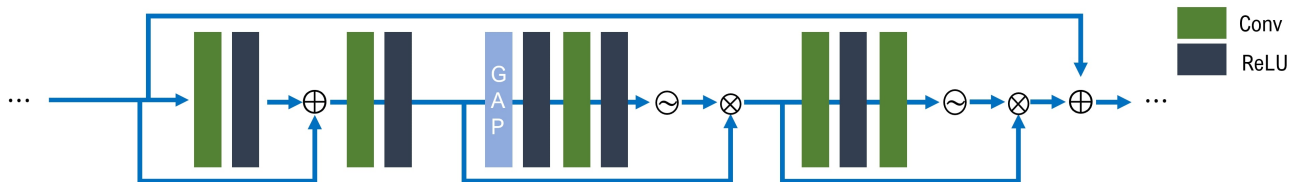
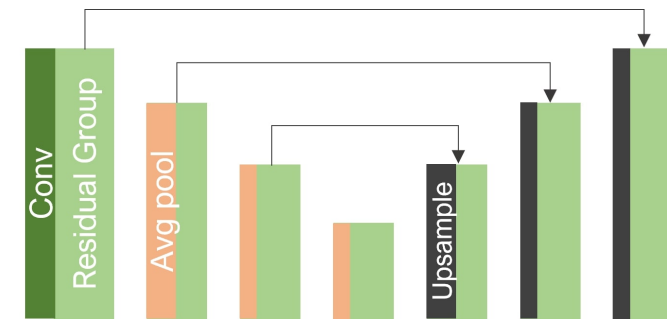


Supplementary Material for Deep Dehazing Powered by Image Processing Network

1. Network Architecture

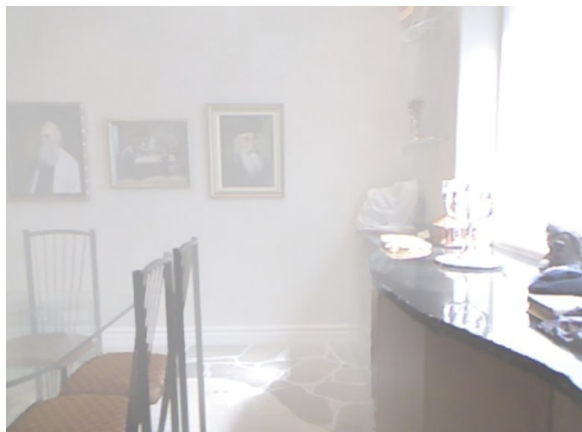
We provide illustrations to our detail network architecture in Figs.1 and 2. Each residual group part has 7 feature attention blocks. We used bilinear interpolation as an upsampling method.



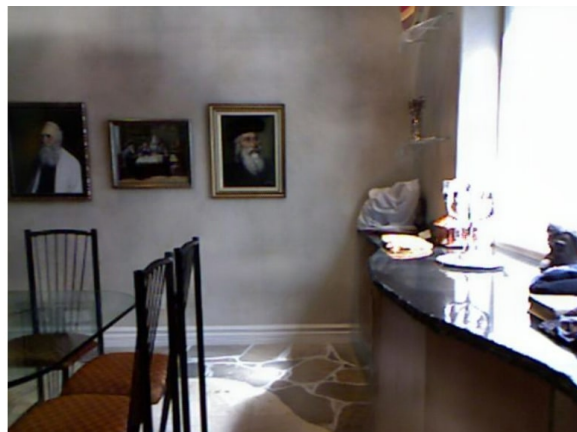
2. Additional Qualitative Results

In this section, we present additional results. Figs.3 and 4 show experimental results on the SOTS-indoor and outdoor dataset [5], respectively. As described in the main paper, the proposed method and DeHamer [3] show very high quality for the datasets. Figs.5 - 8 show additional qualitative results on real-world dataset [2]. AOD-Net tends to darken as a whole after

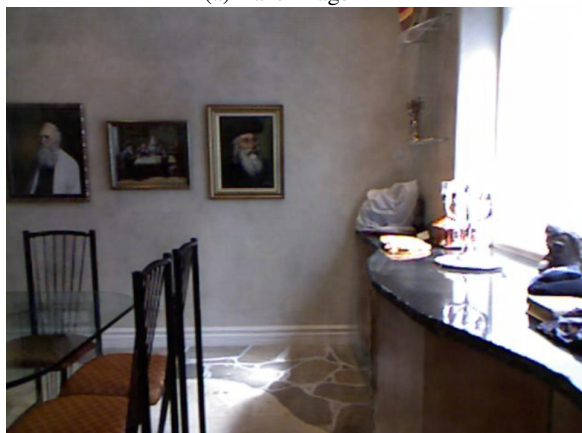
dehazing. Other methods lack the degree of removing the haze. On the other hand, the proposed method naturally removes haze and restores the color well.



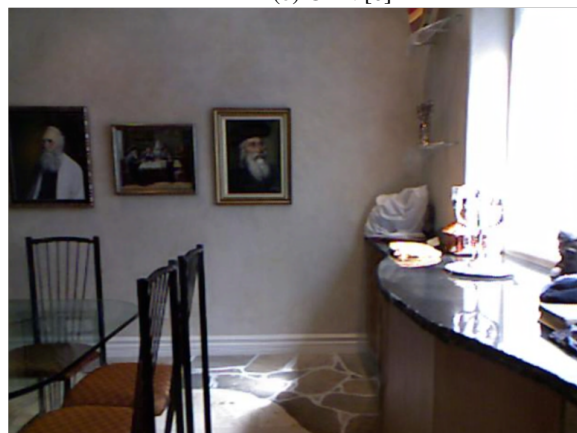
(a) Haze image



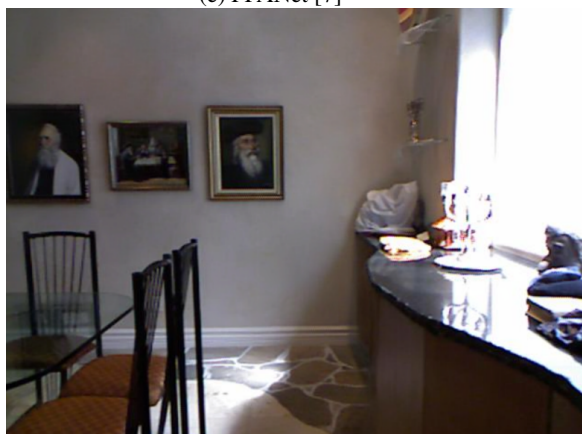
(b) GDN [6]



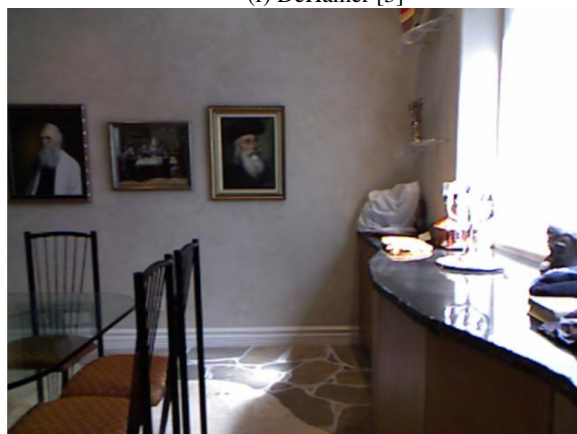
(c) FFANet [7]



(d) DeHamer [3]



(e) Ours

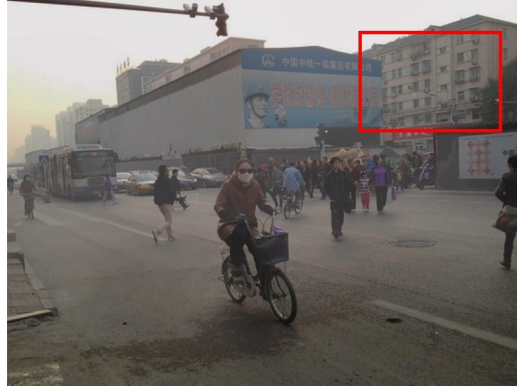


(f) GT

Figure 3. Qualitative results on the SOTS-indoor.



(a) Haze image



(b) DehazeNet [1]



(c) AOD-Net [4]



(d) GDN [6]



(e) FFANet [7]



(f) DeHamer [3]

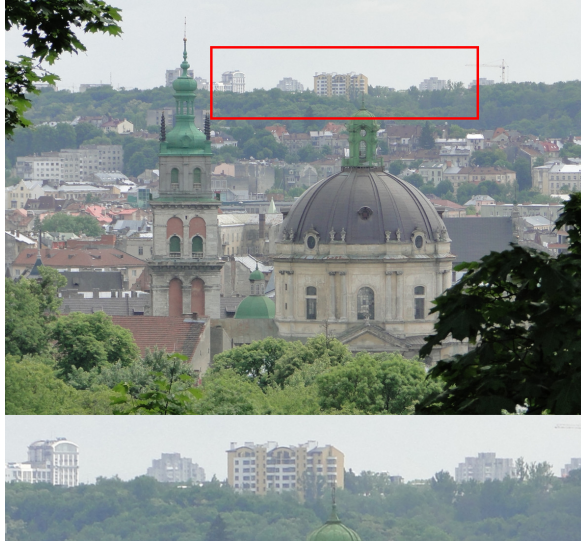


(g) Ours



(h) GT

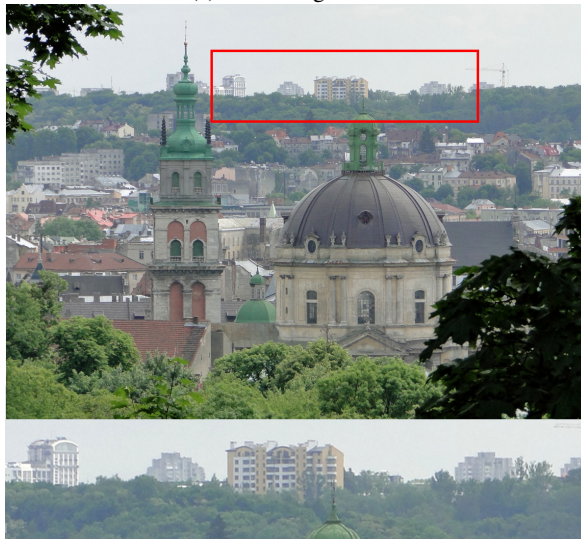
Figure 4. Qualitative comparison using the SOTS-outdoor dataset.



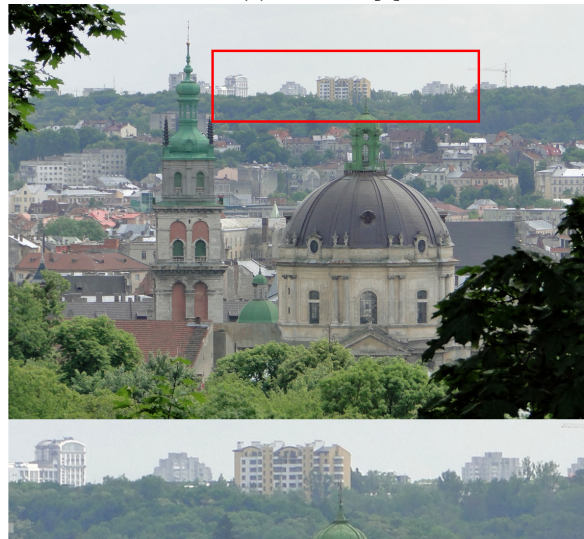
(a) Haze image



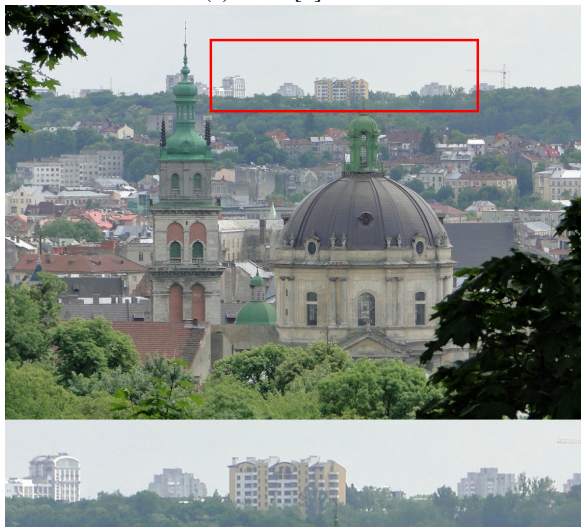
(b) AOD-Net [4]



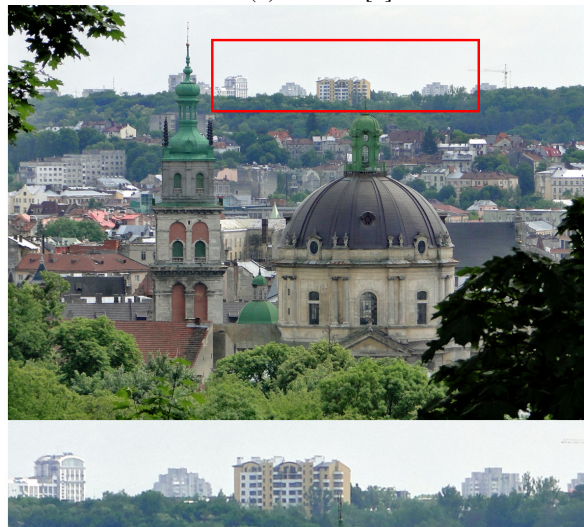
(c) GDN [6]



(d) FFANet [7]



(e) DeHamer [3]



(f) Ours

Figure 5. Qualitative comparison using the Real-world dataset. Please zoom in for best view.



(a) Haze image



(b) AOD-Net [4]



(c) GDN [6]



(d) FFANet [7]

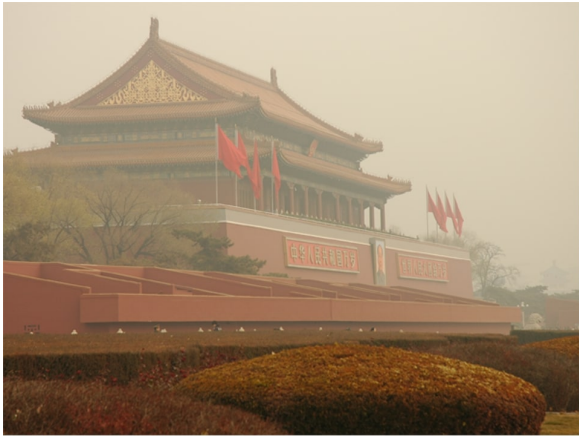


(e) DeHamer [3]

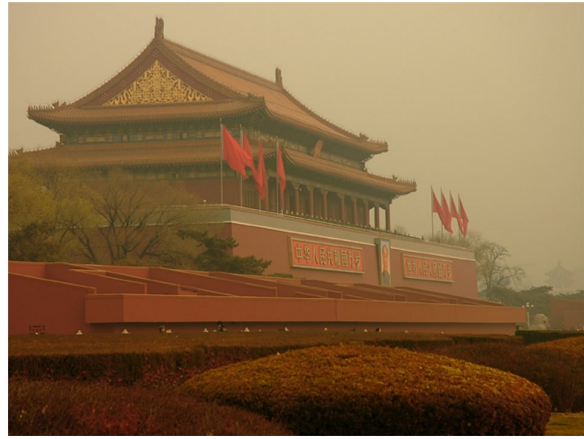


(f) Ours

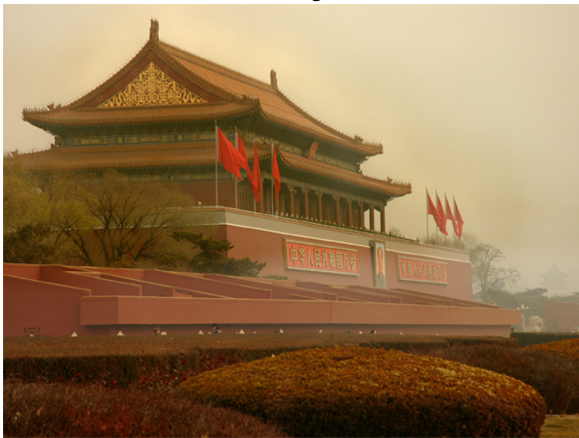
Figure 6. **Qualitative comparison using the Real-world dataset.** Please zoom in for best view.



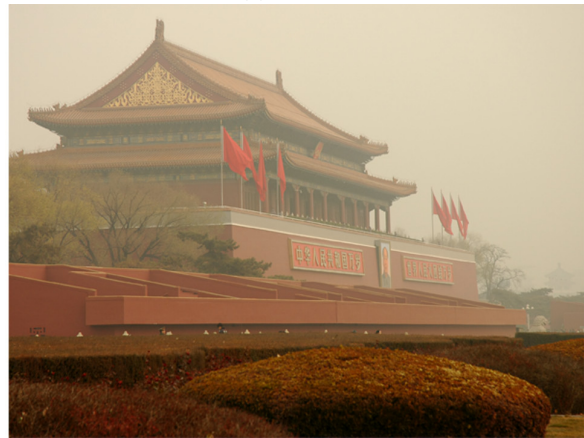
(a) Haze image



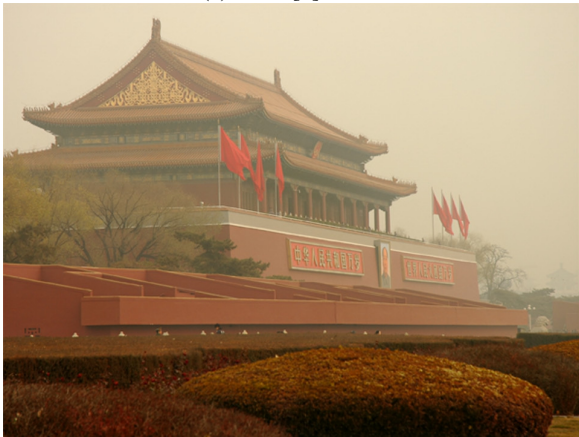
(b) AOD-Net [4]



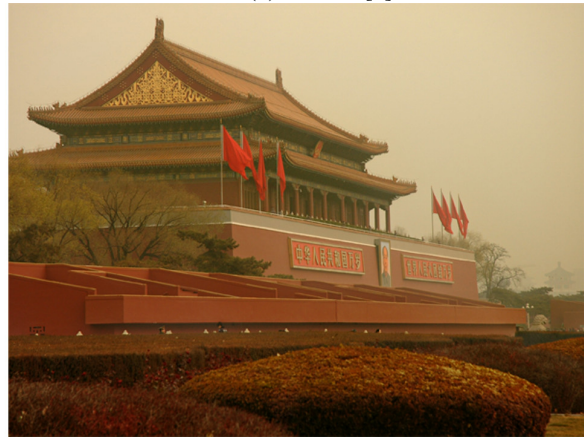
(c) GDN [6]



(d) FFANet [7]



(e) DeHamer [3]



(f) Ours

Figure 7. **Qualitative comparison using the Real-world dataset.** Please zoom in for best view.



(a) Haze image



(b) AOD-Net [4]



(c) GDN [6]



(d) FFANet [7]



(e) DeHamer [3]



(f) Ours

Figure 8. **Qualitative comparison using the Real-world dataset.** Please zoom in for best view.

References

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