

Unsupervised Real-world Image Super Resolution via Domain-distance Aware Training

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In this document, we present the network architecture of our patch discriminator and more visual examples of super-resolution results on different datasets, including AIM [40], RealSR [8] and CameraSR [9].

1. Network Architecture of our discriminator

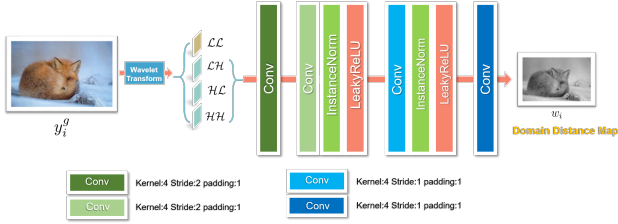


Figure 1: Details of domain-distance discriminator.

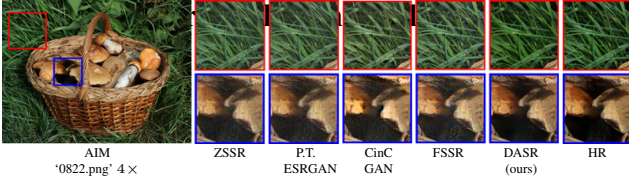


Figure 2: SR results on AIM [37] dataset.

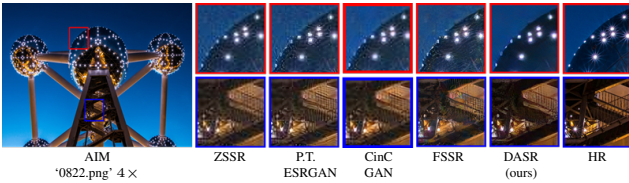


Figure 3: SR results on AIM [37] dataset.

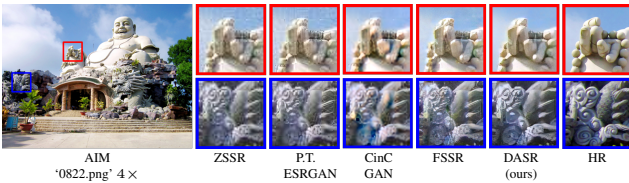


Figure 4: SR results on AIM [37] dataset.

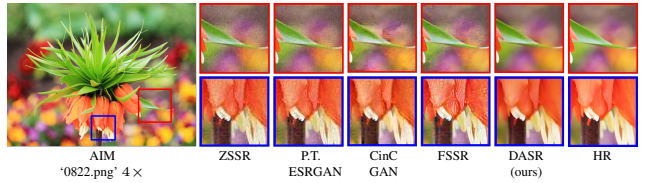


Figure 5: SR results on AIM [37] dataset.

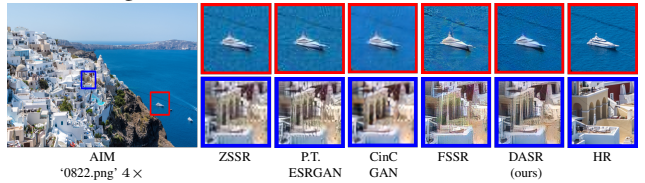


Figure 6: SR results on AIM [37] dataset.

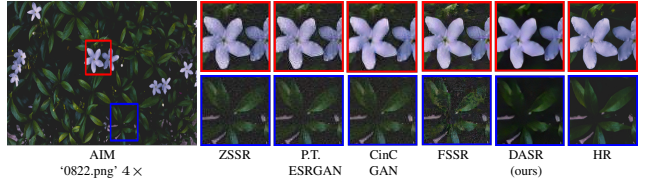


Figure 7: SR results on AIM [37] dataset.

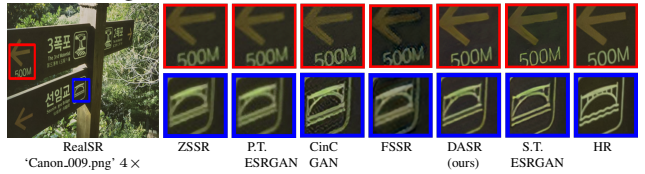


Figure 8: SR results on RealSR [8] dataset. Note that S.T. ESRGAN is trained with paired data, the remaining methods are unsupervised models.

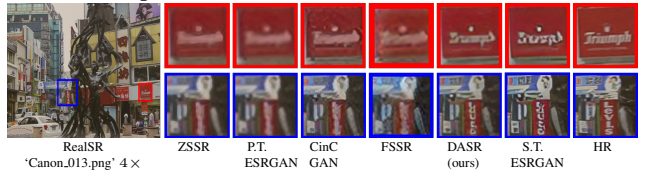


Figure 9: SR results on RealSR [8] dataset. Note that S.T. ESRGAN is trained with paired data, the remaining methods are unsupervised models.

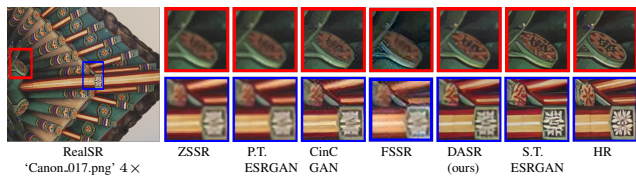


Figure 10: SR results on RealSR [8] dataset. Note that S.T. ESRGAN is trained with paired data, the remaining methods are unsupervised models.

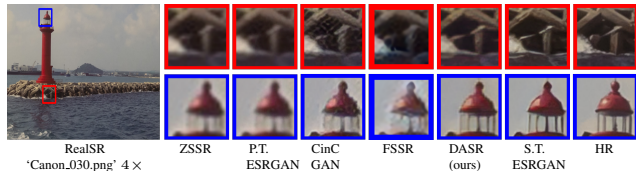


Figure 11: SR results on RealSR [8] dataset. Note that S.T. ESRGAN is trained with paired data, the remaining methods are unsupervised models.

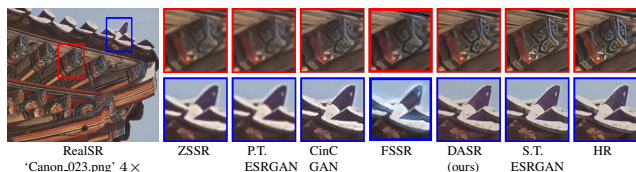


Figure 12: SR results on RealSR [8] dataset. Note that S.T. ESRGAN is trained with paired data, the remaining methods are unsupervised models.

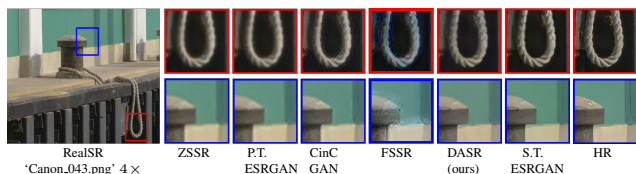


Figure 13: SR results on RealSR [8] dataset. Note that S.T. ESRGAN is trained with paired data, the remaining methods are unsupervised models.

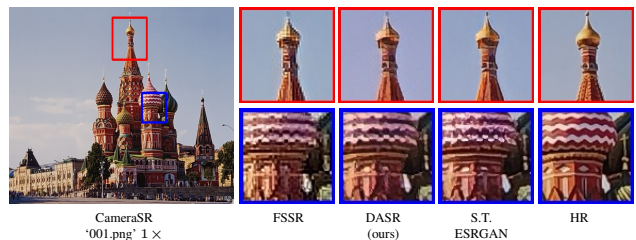


Figure 14: SR results on CameraSR [9] dataset. Note that S.T. ESRGAN is trained with paired data, the remaining methods are unsupervised models.

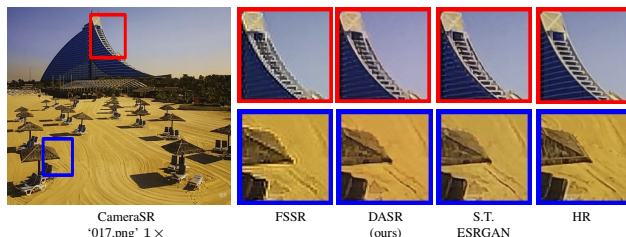


Figure 15: SR results on CameraSR [9] dataset. Note that S.T. ESRGAN is trained with paired data, the remaining methods are unsupervised models.



Figure 16: SR results on CameraSR [9] dataset. Note that S.T. ESRGAN is trained with paired data, the remaining methods are unsupervised models.



Figure 17: SR results on CameraSR [9] dataset. Note that S.T. ESRGAN is trained with paired data, the remaining methods are unsupervised models.

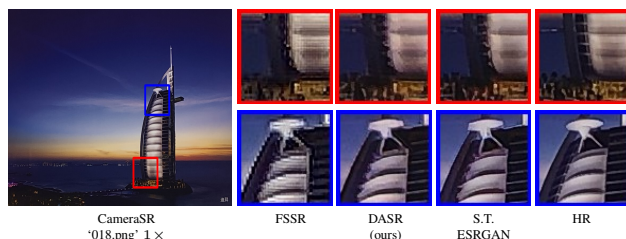


Figure 18: SR results on CameraSR [9] dataset. Note that S.T. ESRGAN is trained with paired data, the remaining methods are unsupervised models.