ADAS: A Direct Adaptation Strategy for Multi-Target Domain Adaptive Semantic Segmentation (Supplementary Material)

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1. Network Details

Figure 1. Our network details. To each convolutional layer (Conv) and transposed convolutional layer (TransConv), we attach an additional indicator that consists of three numbers separated with an underscore (_), and each number denotes the kernel, stride, and padding size respectively. We use group normalization layer (GroupNorm_k) [4] that normalizes a feature with k groups. The layer with upper script † indicates that spectral normalization [2] is applied.
2. Additional Results

2.1. Synthetic-to-real Domain Transfer

Figure 2. Synthetic-to-real qualitative results of MTDT-Net in the driving scenes. The leftmost column and top row represent source domain images and multiple target domain images, respectively. The other images are the domain transferred images generated by passing the source image at each row through our MTDT-Net.
2.2. Real-to-real Domain Transfer

Figure 3. Real-to-real qualitative results with Cityscapes (C), IDD (I) and Mapillary (M). Red boxed images are the inputs.
2.3. Comparison with Other Domain Transfer Methods

Figure 4. Visual comparison of domain transferred images with color transfer algorithm (CT) [3], DRANet [1] and ours in synthetic-to-real adaptation scenario. Images in the top row are the input and the others are the domain transfer results with each method.
2.4. BARS Examples

![Image showing examples of BARS for domain transferred images (upper part) and target images (lower part) in synthetic-to-real adaptation scenario that adapts GTA5 to Cityscapes, IDD, and Mapillary.](image)

Figure 5. Examples of BARS for domain transferred images (upper part) and target images (lower part) in synthetic-to-real adaptation scenario that adapts GTA5 to Cityscapes, IDD, and Mapillary.
References


