ZOOM: Learning Video Mirror Detection With Extremely-Weak Supervision
Supplemental Results

Anonymous submission

In this supplemental, we provide more visual comparisons between the proposed weakly-supervised ZOOM and existing fully-supervised mirror detection methods, *i.e.*, MirrorNet (Yang et al. 2019), PMDNet (Lin, Wang, and Lau 2020), SANet (Guan, Lin, and Lau 2022), VCNet (Tan et al. 2023), SAT (Huang et al. 2023), HetNet (He, Lin, and Lau 2023)) and VMDNet (Lin, Tan, and Lau 2023), in Figure 1, Figure 2, Figure 3, Figure 4, Figure 5, and Figure 6.
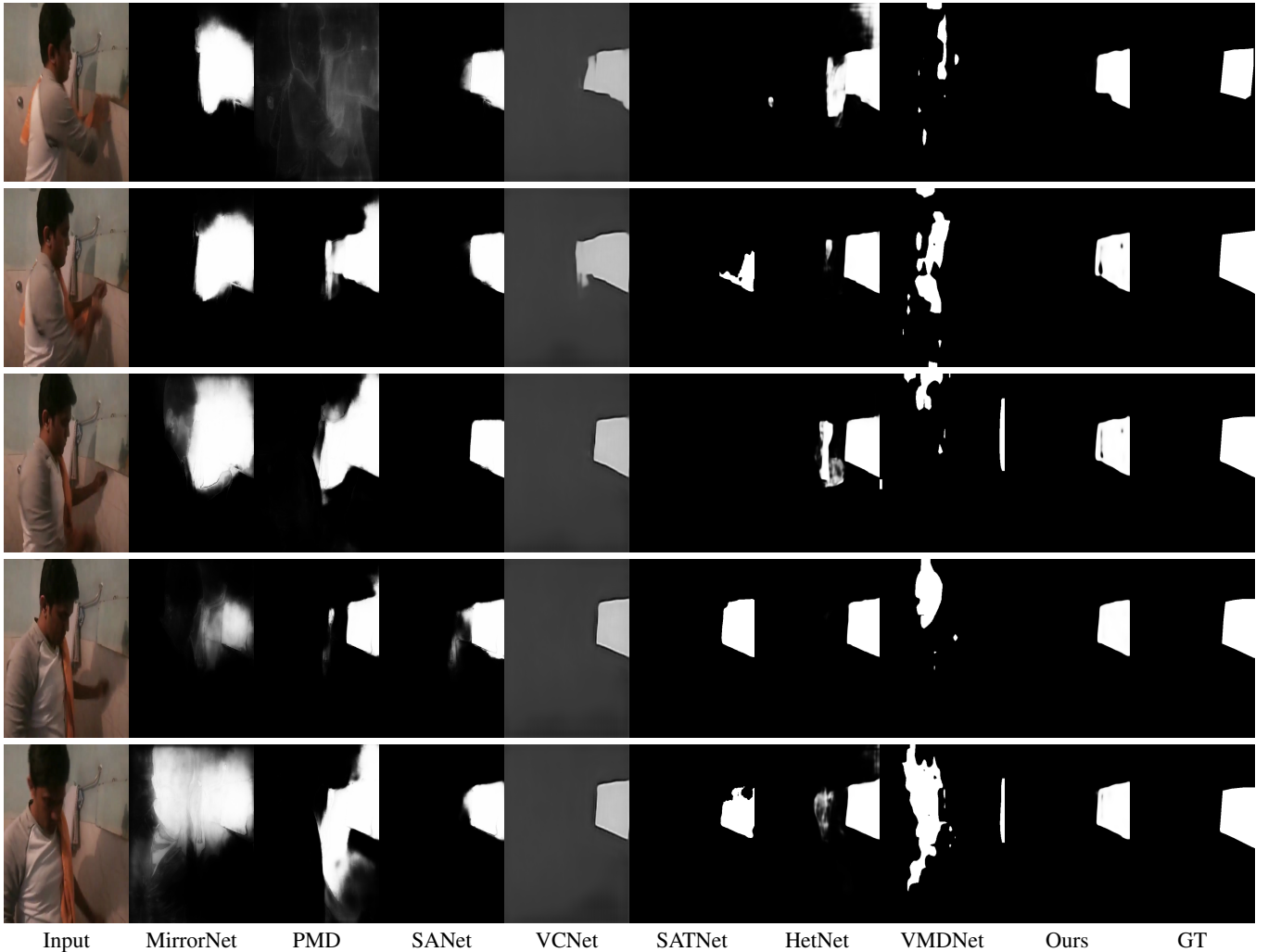

| Input | MirrorNet | PMD | SANet | VCNet | SATNet | HetNet | VMDNet | Ours | GT |

Figure 1: Visual comparisons between mirror detection results of ZOOM (weakly-supervised) and existing methods (fully-supervised).

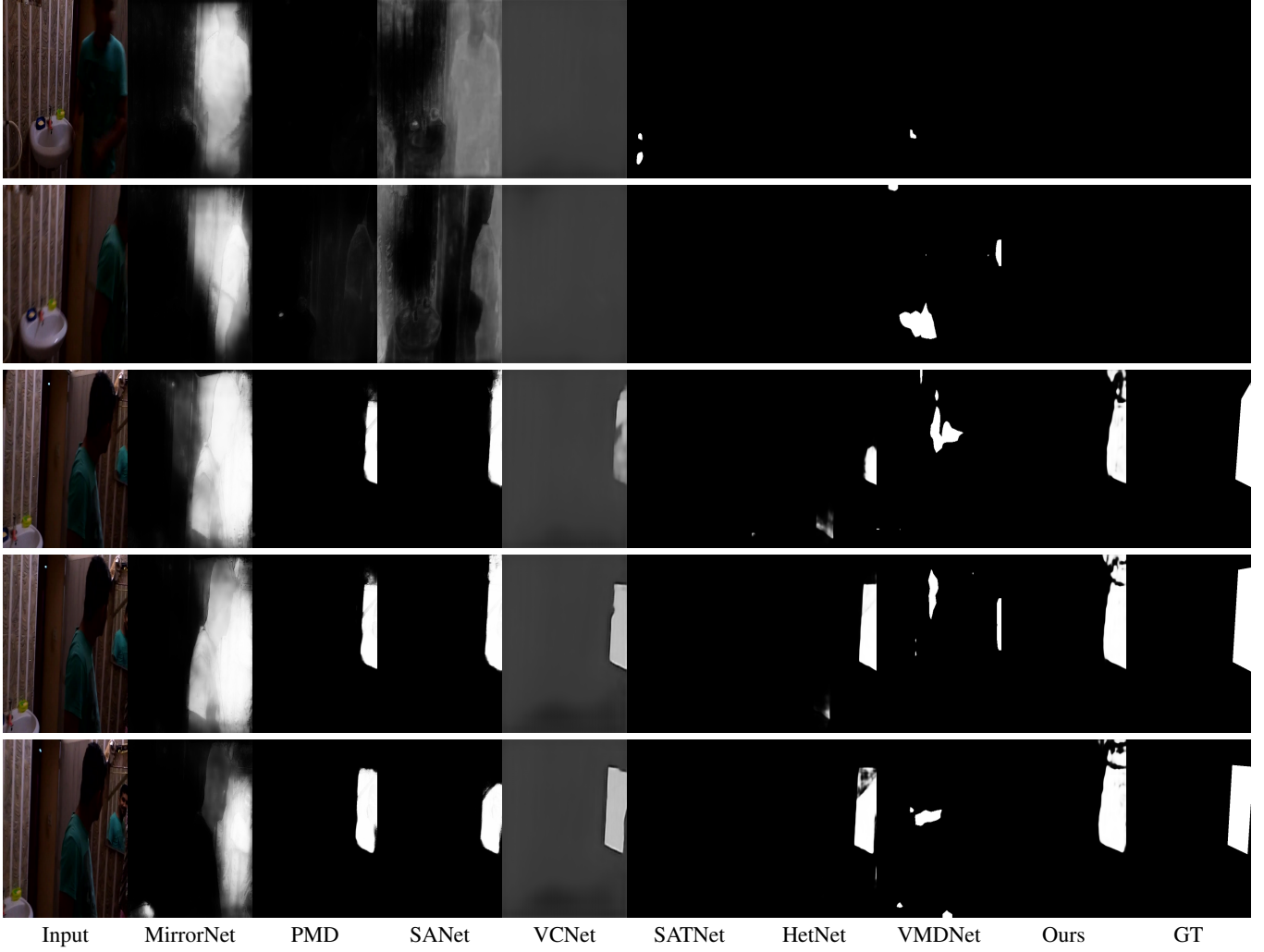| Input | MirrorNet | PMD | SANet | VCNet | SATNet | HetNet | VMDNet | Ours | GT |

Figure 2: Visual comparisons between mirror detection results of ZOOM (weakly-supervised) and existing methods (fully-supervised).

References

Guan, H.; Lin, J.; and Lau, R. W. 2022. Learning Semantic Associations for Mirror Detection. In *CVPR*.

He, R.; Lin, J.; and Lau, R. W. 2023. Efficient Mirror Detection via Multi-level Heterogeneous Learning. In *AAAI*.

Huang, T.; Dong, B.; Lin, J.; Liu, X.; Lau, R. W. H.; and Zuo, W. 2023. Symmetry-Aware Transformer-based Mirror Detection. In *AAAI*.

Lin, J.; Tan, X.; and Lau, R. W. 2023. Learning To Detect Mirrors From Videos via Dual Correspondences. In *CVPR*.

Lin, J.; Wang, G.; and Lau, R. W. 2020. Progressive mirror detection. In *CVPR*.

Tan, X.; Lin, J.; Xu, K.; Chen, P.; Ma, L.; and Lau, R. W. 2023. Mirror Detection With the Visual Chirality Cue. *IEEE TPAMI*.

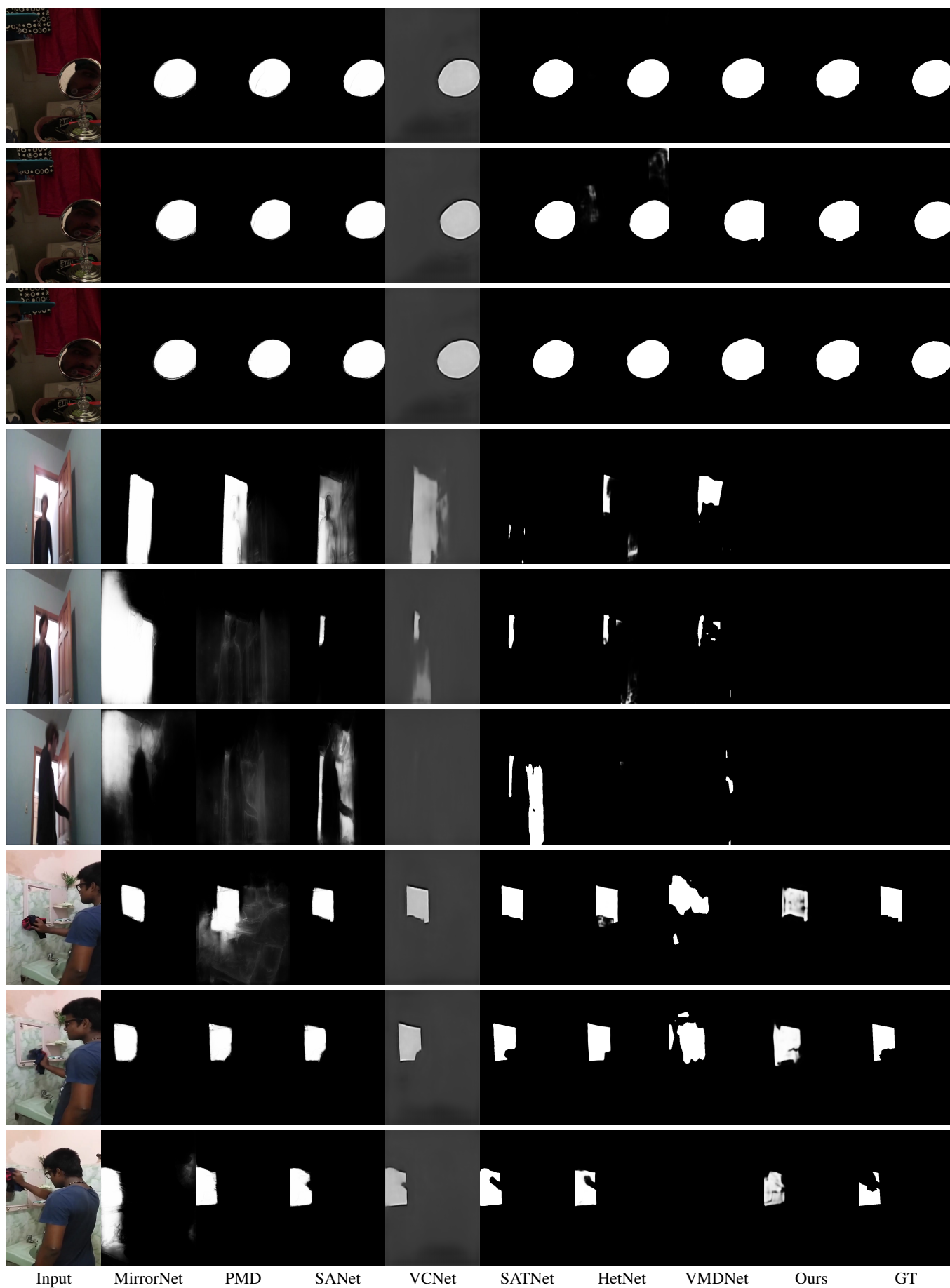Yang, X.; Mei, H.; Xu, K.; Wei, X.; Yin, B.; and Lau, R. W. 2019. Where is my mirror? In *ICCV*.

Input MirrorNet PMD SANet VCNet SATNet HetNet VMDNet Ours GT

Figure 3: Visual comparisons between mirror detection results of ZOOM (weakly-supervised) and existing methods (fully-supervised).

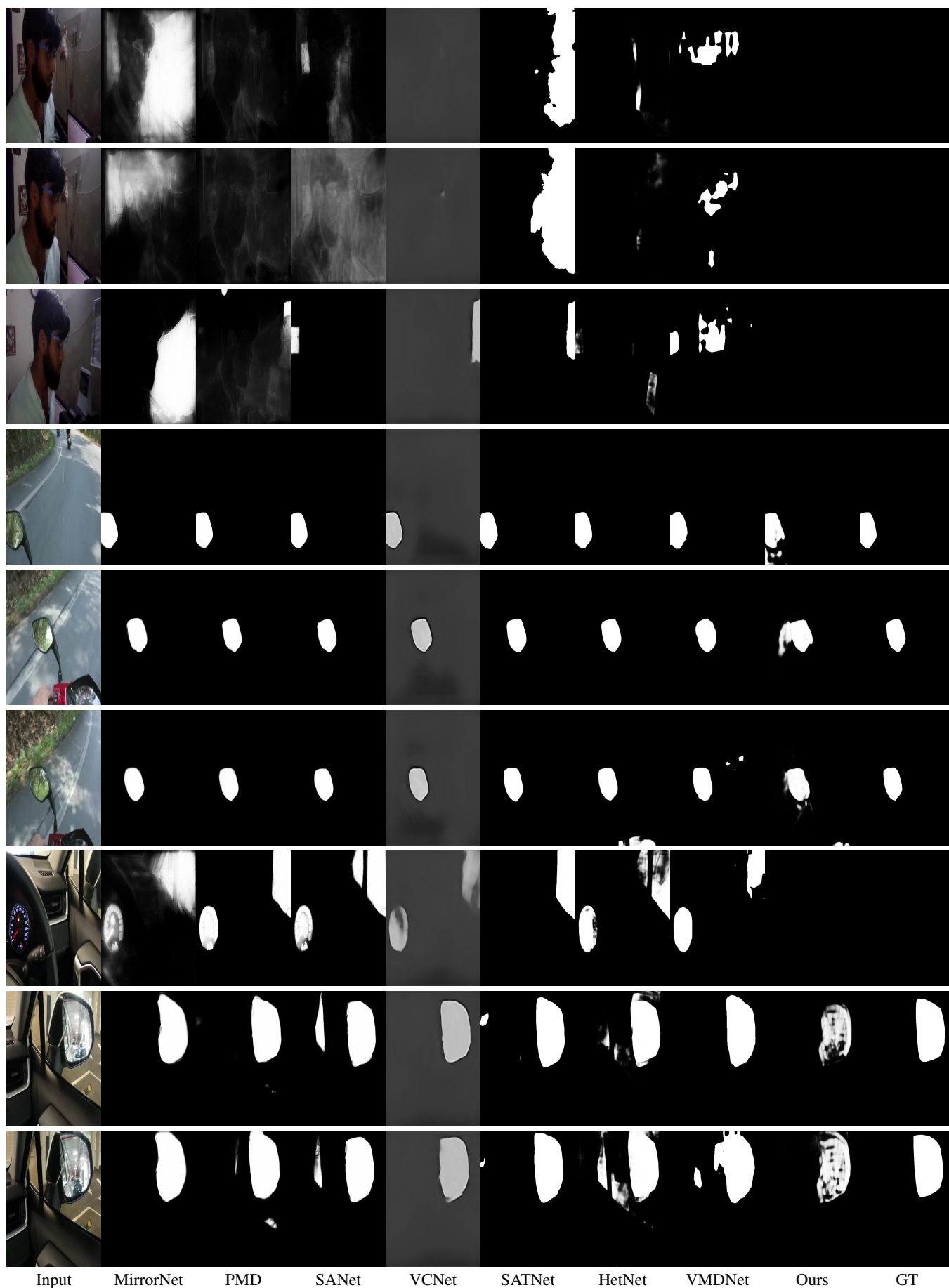| Input	MirrorNet	PMD	SANet	VCNet	SATNet	HetNet	VMDNet	Ours	GT

Figure 4: Visual comparisons between mirror detection results of ZOOM (weakly-supervised) and existing methods (fully-supervised).

Figure 5: Visual comparisons between mirror detection results of ZOOM (weakly-supervised) and existing methods (fully-supervised).
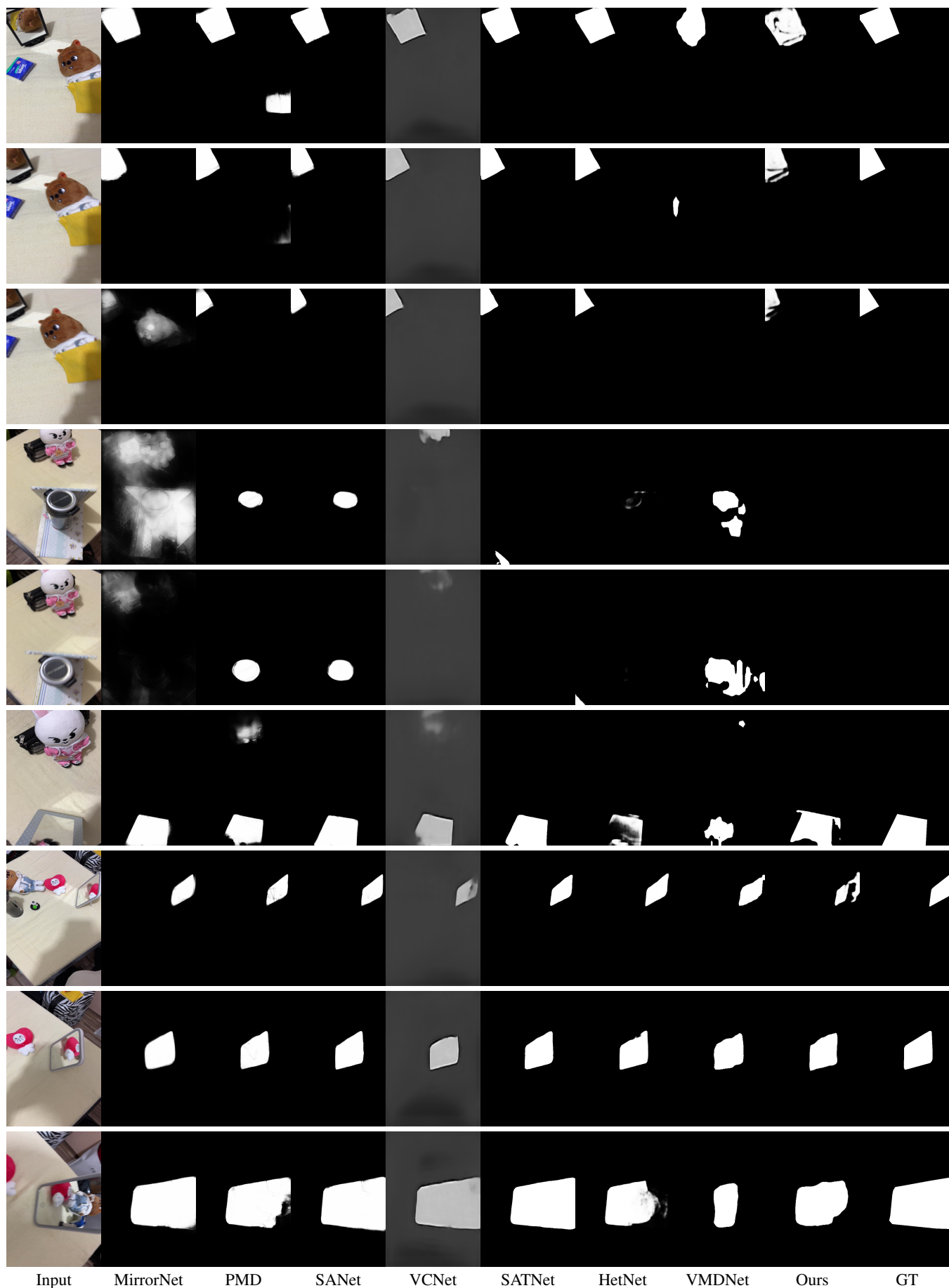
Input | MirrorNet | PMD | SANet | VCNet | SATNet | HetNet | VMDNet | Ours | GT

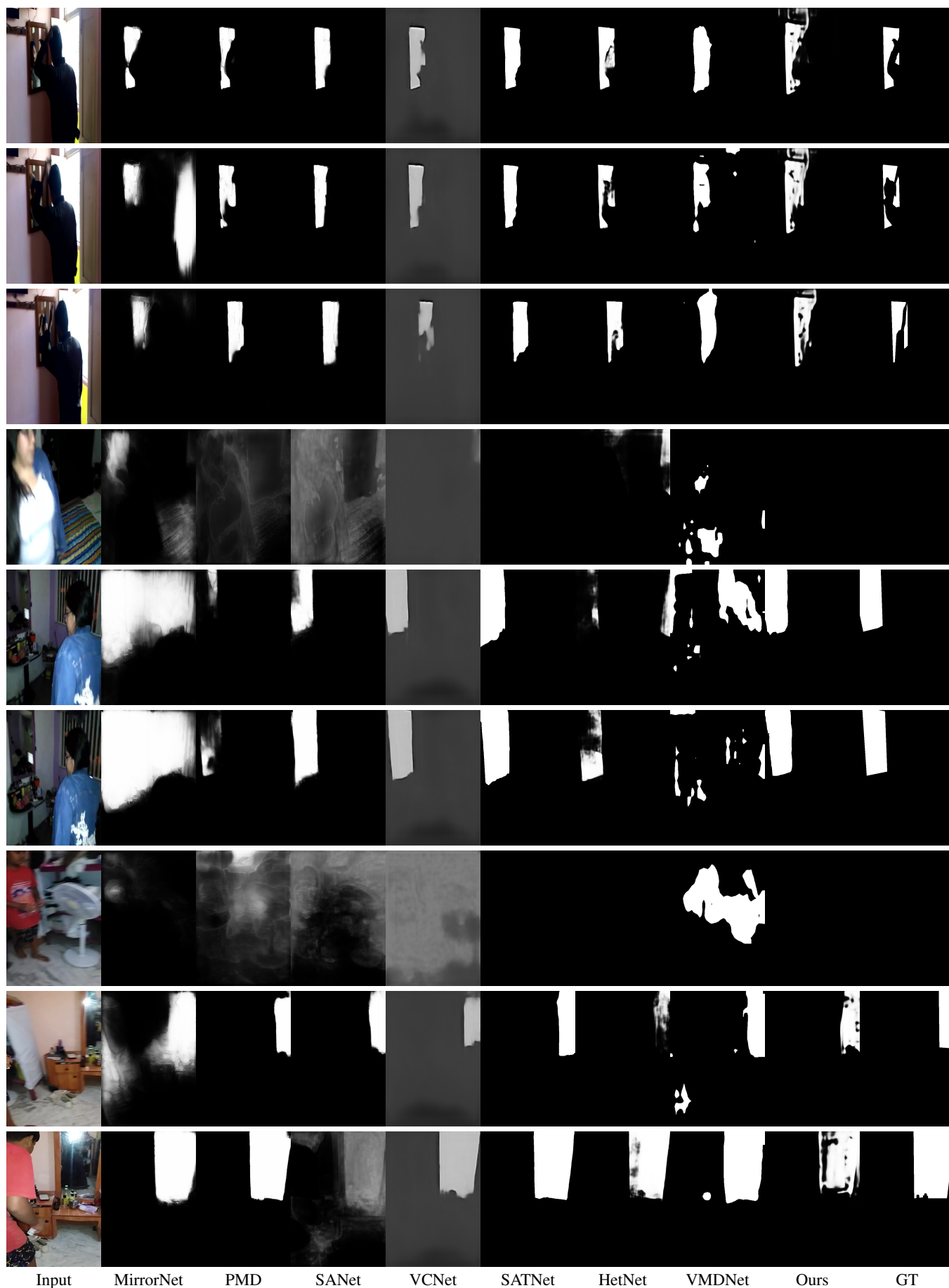| Input	MirrorNet	PMD	SANet	VCNet	SATNet	HetNet	VMDNet	Ours	GT

Figure 6: Visual comparisons between mirror detection results of ZOOM (weakly-supervised) and existing methods (fully-supervised).