SUPPLEMENTARY MATERIAL

Thermal Image Super-Resolution Challenge - PBVS 2021

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1. Introduction
This document presents the eleven architectures proposed by the nine teams that participated in the second Thermal Image Super-Resolution challenge. The challenge has been organized in the framework of the PBVS 2021 workshop, CVPR 2021.

2. TISR 2021 Teams and Affiliations

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A.2. CVC:
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A.3. ISESL-CSIO:
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A.4. MNNIT:
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A.5. NPU-MPI-LAB:
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A.6. SVNIT_NTNU:
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A.7. ULB-LISA:
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A.8. UTA-RVL-1:
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Figure 1: Architecture proposed by COUGER AI team.

Figure 2: Architecture proposed by CVC team.
Figure 3: Architecture proposed by ISESL-CSIO team.

Figure 4: Architecture proposed by MNNIT team.
Figure 5: Architecture proposed by NPU-MPI-LAB team for evaluation 1.

Figure 6: Architecture proposed by NPU-MPI-LAB team for evaluation 2.
(a) The block schematic of the proposed architecture for scaling factors ×4 and ×2 (i.e., Track-1 & Track-2).

(b) The design of the ResBlock used in the proposed model.

Figure 7: First architecture proposed by SVNIT - NTNU team (winner at evaluation 1).
(a) CNN framework for scaling factors $\times 4$ and $\times 2$ (i.e., Track-1 & Track-2)

(b) UNet based framework for scaling factor $\times 2$ (i.e., Track-2)

(c) Common Block (CB)

(d) Channel Spliting Block (CSB)

(e) Residual Block (ResBlock)

Figure 8: Second architecture proposed by SVNIT, NTNU team.
Figure 9: Third architecture proposed by SVNIT NTNU team.

Figure 10: Architecture proposed by ULB-LISA team (winner at evaluation 2).
Figure 11: Architecture proposed by RVL-UTA-1 team.

Figure 12: Architecture proposed by RVL-UTA-2 team.