## aselsan

IMDeception: Grouped Information Distilling Super-Resolution Network
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IDEA:
IMDN[1] uses:

Intermediate Information Collection (IIC) Progressive Refinement (PRM) for IMDB feature aggregation With in IMDB


Problems !!!


## IMDeception



Global Progresive Refinement Module, GPRM


Grouped Information Distilling Block, GIDB


Remove Channel Contrast Aware Attention at the local lave and add Block Non-Local Attention in the main branch

RESULTS:


Parameters


## Summary/Conclusion

Very efficient SR network only with 316K parameters and 20G FLOPS Many high performing variants of it exist with little sacrifice of the performance
Can run on edge devices in real-time with inputs up to $512 \times 256$

## References

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