

# Image Super Resolution Survey

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## Image Super Resolution Survey

Super-resolution is the process of generating a raster image with a higher resolution than its source. The source can consist of one or more images or frames. This paper focuses on single-frame super-resolution, meaning that the source is a single raster image.

## Image super-resolution survey - ScienceDirect

The shortcomings in commonly used kernel-based super-resolution drive the study of improved super-resolution algorithms of higher quality. In the past years a wide range of very different approaches has been taken to improve super-resolution. ... Image super-resolution survey. Author links open overlay panel J.D. van Ouwkerk. Show more. <https://www.sciencedirect.com/science/article/pii/S1047320318300000>

## **Image super-resolution survey - ScienceDirect**

Deep Learning for Image Super-resolution: A Survey Zhihao Wang, Jian Chen, Steven C.H. Hoi Image Super-Resolution (SR) is an important class of image processing techniques to enhance the resolution of images and videos in computer vision. Recent years have witnessed remarkable progress of image super-resolution using deep learning techniques.

## **Deep Learning for Image Super-resolution: A Survey**

Image Super-Resolution (SR) is an important class of image processing techniques to enhance the resolution of images and videos in computer vision.

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Image Super Resolution A huge variety of image SR techniques have been proposed; see survey papers [33, 34,35] for more details.

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In this survey, we aim to give a survey on recent advances of image super-resolution techniques using deep learning approaches in a systematic way. In general, we can roughly group the existing studies of SR techniques into three major categories: supervised SR, unsupervised SR, and domain-specific SR.

## **Deep Learning for Image Super-resolution: A Survey - IEEE ...**

Abstract Single image super-resolution has attracted increasing attention and has a wide range of applications in satellite imaging, medical imaging, computer vision, security surveillance imaging, remote sensing, objection detection, and recognition.

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## Deep Learning Based Single Image Super-resolution: A Survey

Image super resolution-A survey Abstract: Improving image quality has always been an issue of image technology. Enhancing the quality of image is a continuous ongoing process.

## Image super resolution-A survey - IEEE Conference Publication

Super resolution Survey. List of reviewing papers. SRCNN\_2014\_ECCV\_Learning a Deep Convolutional Network for Image Super-Resolution; SRCNN\_2016\_PAMI\_Image Super-Resolution Using Deep Convolutional Networks review; CSCN\_2015\_ICCV\_Deep Networks for Image Super-Resolution with Sparse Prior

## GitHub - LokLu/Super\_resolution\_Survey: A survey of recent ...

0 ██████████ Wang, Zhihao, Jian Chen, and Steven CH Hoi. "Deep learning for image super-resolution: A survey." arXiv preprint arXiv:1902.06068(2019).██████████████████...

## Image Super-resolution ██████████ - ███

Super-resolution aims to convert a given low-resolution image with coarse details to a corresponding high-resolution image with better visual quality and refined details. Image super-resolution is also referred to by other names such as image scaling, interpolation, upsampling, zooming and enlargement.

## A Deep Journey into Super-resolution: A survey | DeepAI

A survey of super-resolution in iris biometrics with evaluation of dictionary-learning. IEEE Access (2018) Aly, H.A., Dubois, E.: Image up-sampling using total-variation regularization with a new observation model. IEEE Trans. Image Process. 14 (10), 1647-1659 (2005)

## Deep learning methods in real-time image super-resolution ...

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### **1 Deep Learning for Image Super-resolution: A Survey**

[43] Wenming Yang, Xuechen Zhang, Yapeng Tian, Wei Wang, Jing-Hao Xue. Deep Learning for Single Image Super-Resolution: A Brief Review. arxiv, 2018. (a survey paper) [44] Adrian Bulat, Jing Yang, Georgios Tzimiropoulos. To learn image super-resolution, use a GAN to learn how to do image degradation first. ECCV, 2018.

### **GitHub - YapengTian/Single-Image-Super-Resolution: A ...**

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