

Applications

ImageR can be broadly used for improving:

- ◆ Satellite surveillance,
- ◆ Airborne object recognition,
- ◆ Sea image sensing systems,
- ◆ Video denoising,
- ◆ Law enforcement (fingerprint image recovery),
- ◆ Data recovery scenarios.

Effectiveness

ImageR can help:

- ◆ Reduce sampling complexity,
- ◆ Reduce sampling time,
- ◆ Transmit images using low bandwidth, and
- ◆ Reduce storage space,

with saving 30% or more percentage of efforts.

Image Reconstruction System

InfoBeyond's ImageR software provides superior image reconstruction functions. The low quality images can be effectively reconstructed into high quality ones. The low quality images could be resulted from downsampling, low bandwidth transmission, limited storage space, loss or corruption of the original images, etc. ImageR can thus help military and other customers transmit images using low bandwidth and less memory.



Beyond these applications, ImageR can be used to improve substantially the state of the art in satellite surveillance, airborne object recognition, and sea image sensing.

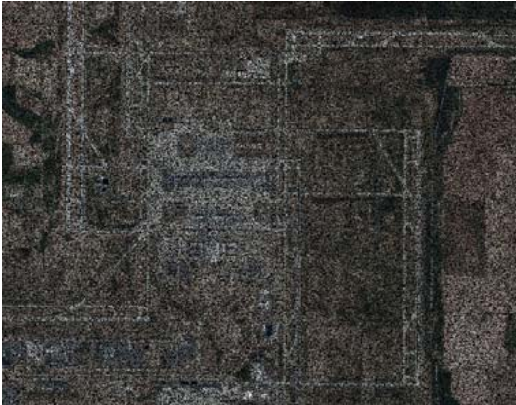


ImageR near-optimally reconstructs images and data for

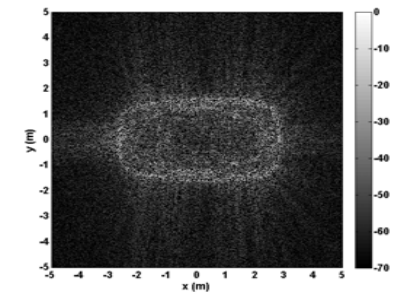
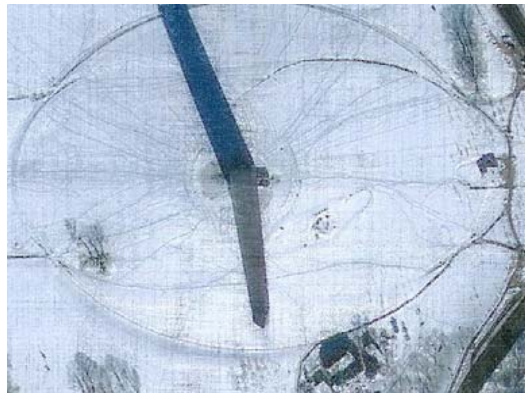
- ◆ **Partial image pixels,**
- ◆ **Partial radar data,**
- ◆ **Partial acoustical data,**
- ◆ **Other downsampling data.**

ImageR represents a leading approach for data recovery and image reconstruction from incomplete datasets. This software package offers the capability, for example, to generate a high quality image from one with 50% randomly missing pixels. The technology reduces the image and data sampling complexity, bandwidth requirement on transmission, storage memory, and data delivery time.

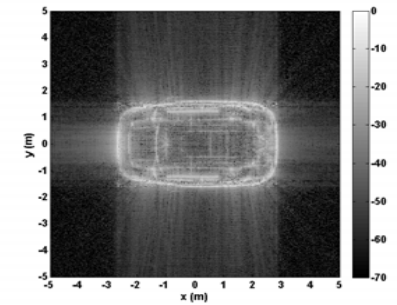
Corrupted Images



Recovered Images



Downsampling Radar Data



Reconstructed Radar Data

Please contact us for ImageR system demonstrations, software trials, customized applications, partnerships or investments.

InfoBeyond Technology LLC
320 Whittington PKWY, STE 117
Louisville, Kentucky, USA 40222
Web: www.InfoBeyondtech.com