

LIST OF FIGURES

2.1	RGB image.	8
2.2	Grayscale image.	9
2.3	The illustration of intraframe compression.	11
2.4	The illustration of interframe compression.	11
2.5	The frequency coefficient on DCT.	13
2.6	Block diagram of CS process.	14
3.1	Flowchart of the system design.	20
3.2	Dataset sample.	21
3.3	Flowchart of pre-processing.	21
3.4	Flowchart of the difference block frame.	23
3.5	Flowchart of CS process.	24
3.6	Flowchart of post processing.	25
4.1	Average PSNR for threshold=50.	29
4.2	Average PSNR for threshold=100.	30
4.3	Average PSNR for threshold=150.	30
4.4	Average PSNR for threshold=200.	31
4.5	Average SSIM for threshold=50.	32
4.6	Average SSIM for threshold=100.	33
4.7	Average SSIM for threshold=150.	33
4.8	Average SSIM for threshold=200.	34
4.9	The info of ori video size in the storage.	37
4.10	The info of compressed video size in the storage.	37
4.11	The original first frame of Vid 1.	39
4.12	The reconstructed first frame result of Vid 1.	39