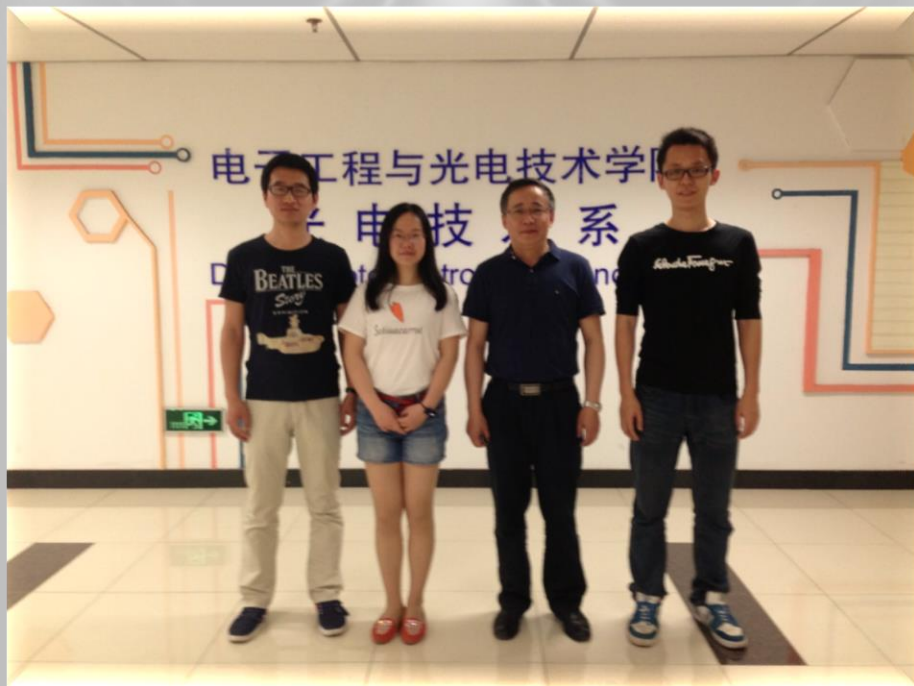




基于FPGA的实时双目 偏振消光探测系统







作品简介



系统实现



功能展示



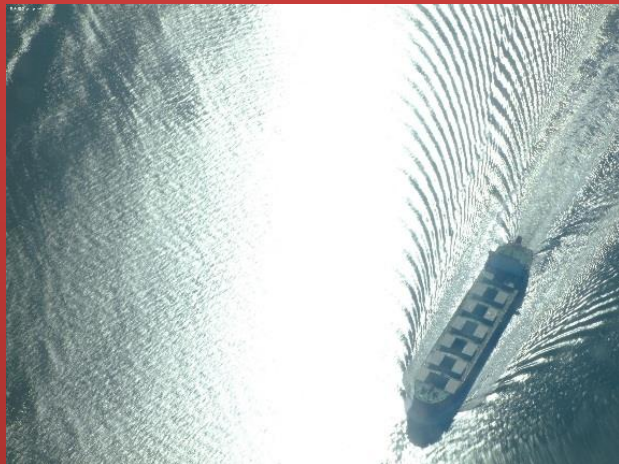
市场前景





Part 1

作品简介



受太阳耀光影响的海面



强光照射下的车牌

1、偏振消光；

2、动态实时消除强光；

衰减片消光



反射光偏振原理



偏振片消光



2 云



虽光

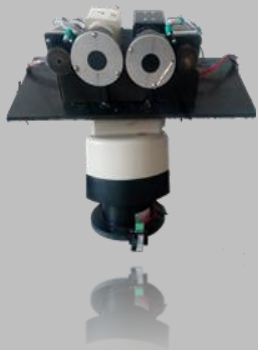
偏振镜

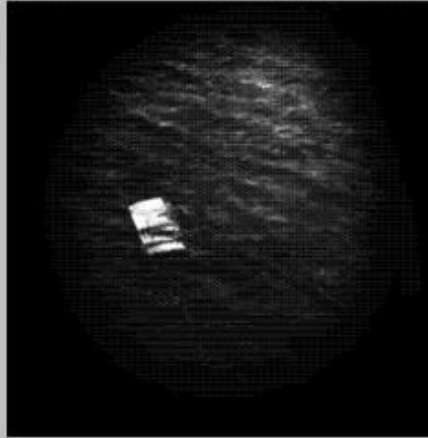
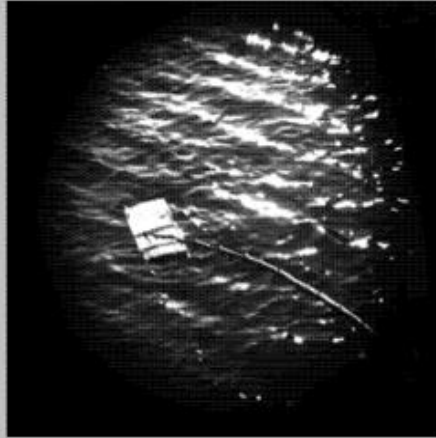
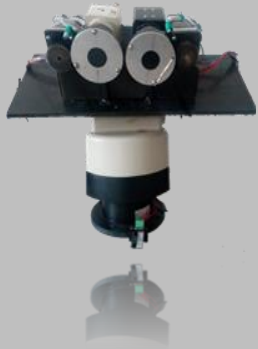
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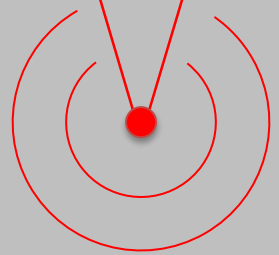
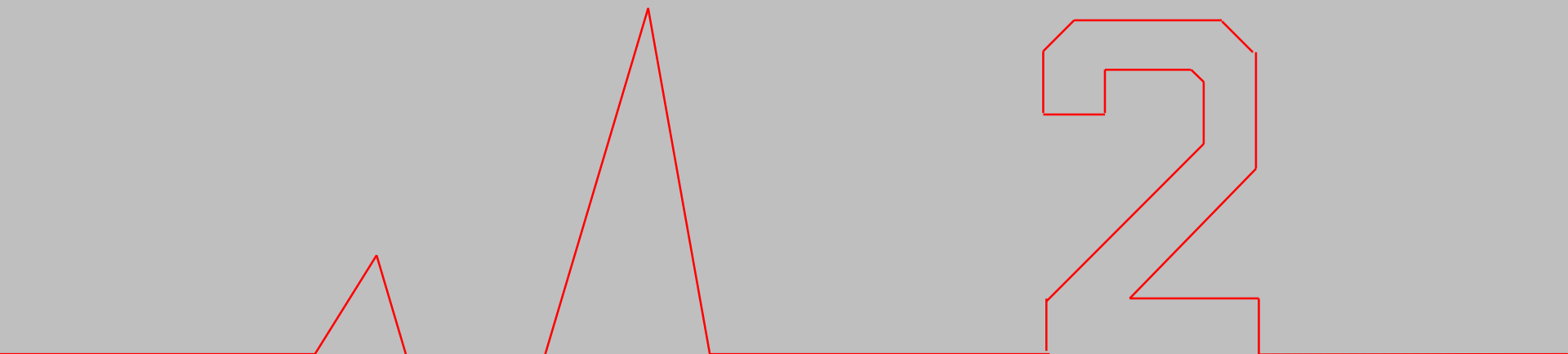
实用新型专利一篇：《一种实时双目偏振消光探测装置》，受理号：201520386857.1，第一发明人：赵蓉

发明专利一篇：《一种实时双目偏振消光探测方法》，受理号：201510307038.8，第一发明人：丁祺

应用领域



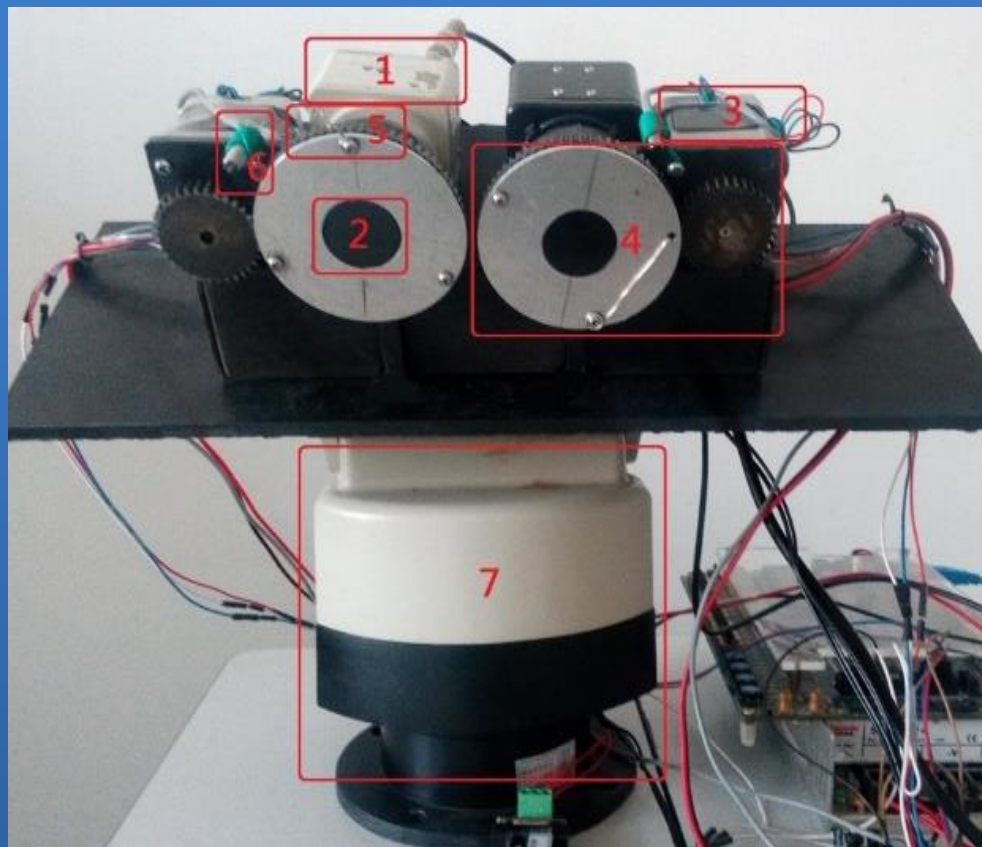




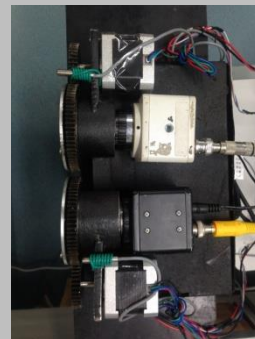
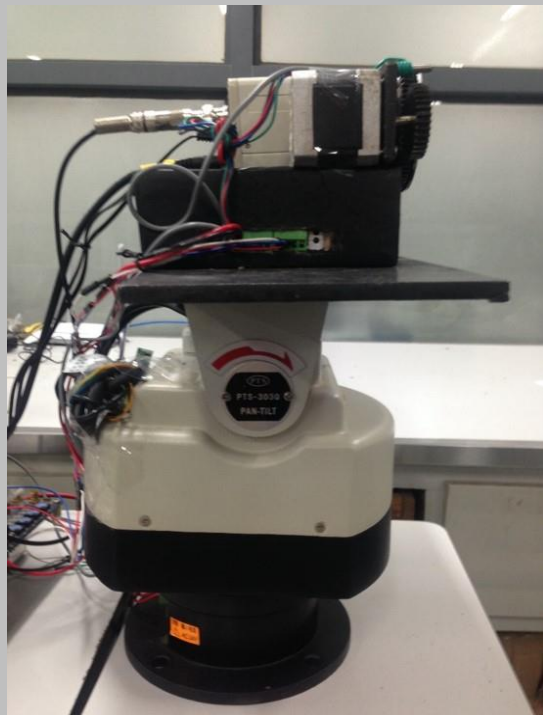
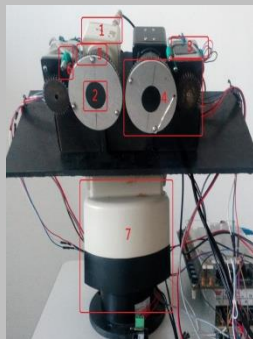
Part 2

系统实现

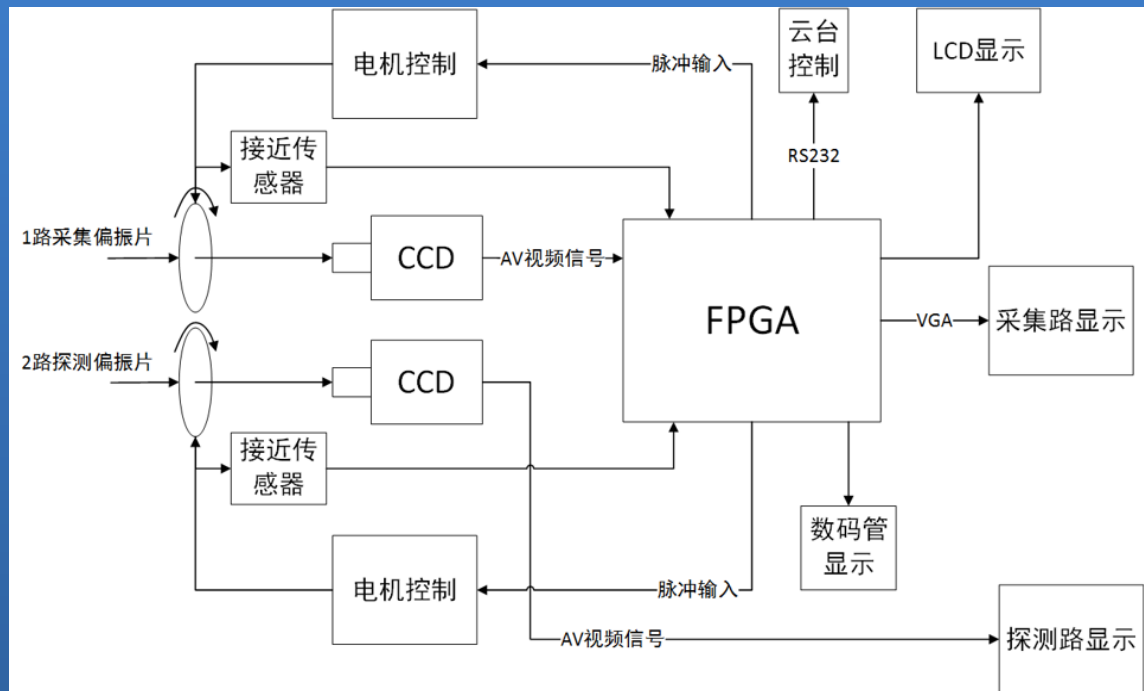
系统实物图



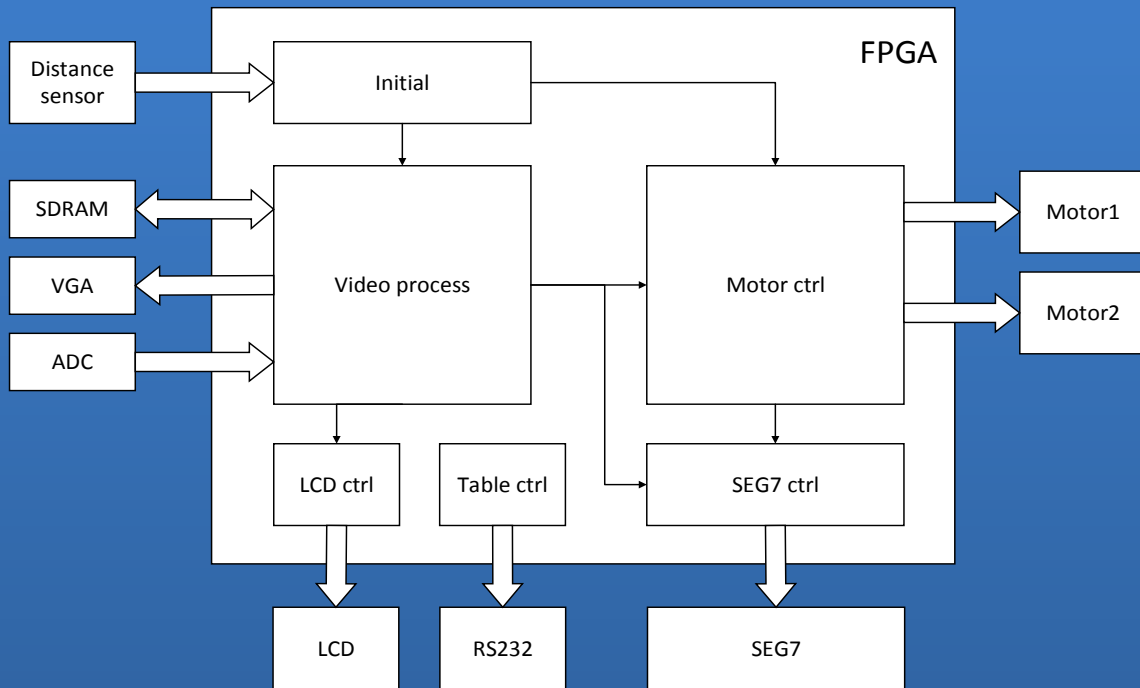
俯视图



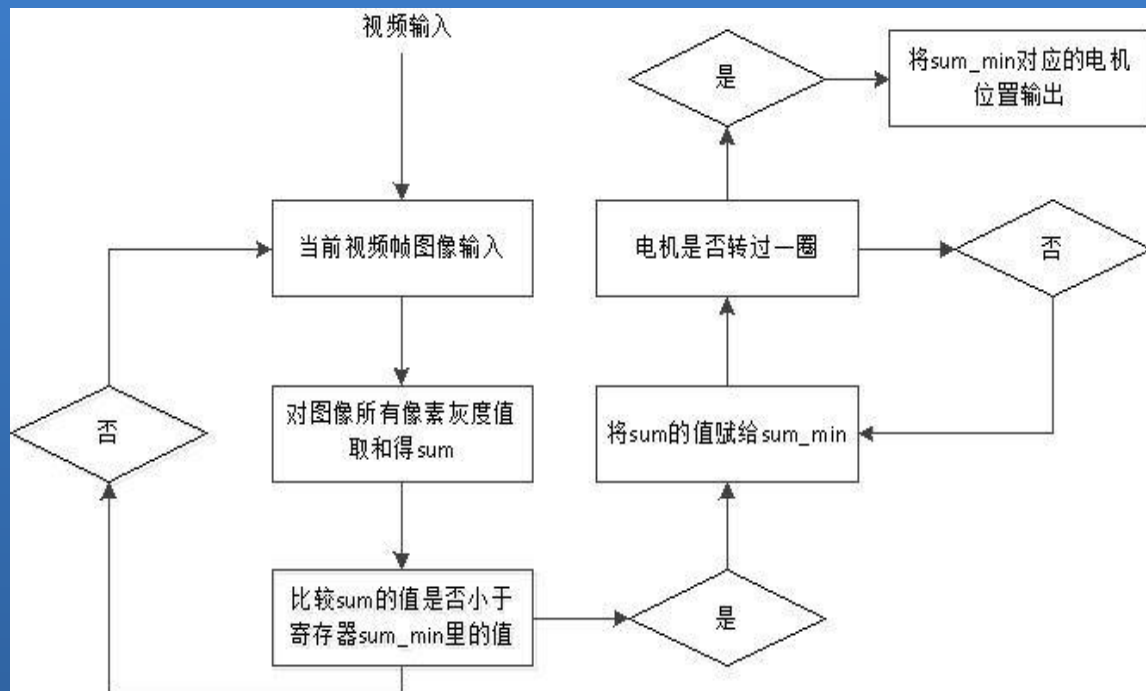
双目偏振消光系统硬件设计

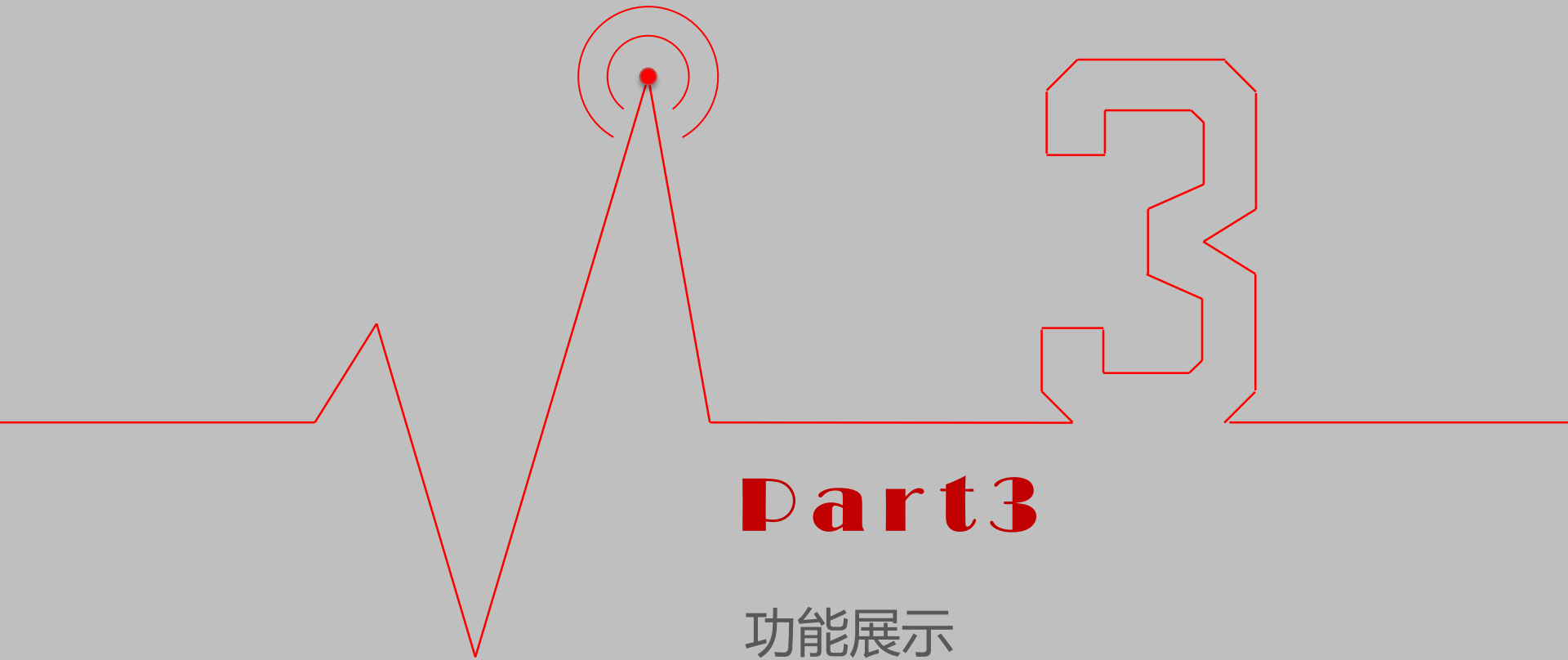


FPGA内部设计



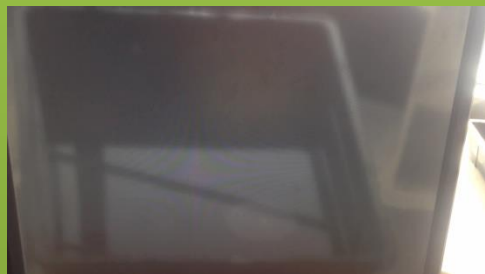
消光态判别





Part 3

功能展示



模拟拍摄水下目标



模拟航拍水面漂浮物



模拟航拍水面目标



夜晚拍摄



Part 4

市场前景

消光效果
显著

实时性好

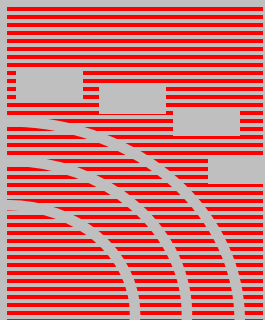


无人自动化

成本低

产品可以小
型化





HANKU

CN151 作品