



C.P. 16 – 162, 062510 – BUCUREȘTI
tel. 021.4113617, fax 021.4114280
e-mail: office@matrixrom.ro, www.matrixrom.ro

Advanced Imaging and Telemetry Underwater

Cuprins

- 1 Introduction
 - 1.1 Applications
 - 1.2 Challenges
 - 1.3 Classical Techniques
 - 1.4 Approach

- 2 Underwater True Color Imaging
 - 2.1 Motivation
 - 2.2 Classical Approaches
 - 2.3 Approach
 - 2.4 Hardware Description
 - 2.5 Experiments and Evaluation
 - 2.6 Summary

- 3 Underwater Telemetry
 - 3.1 Classical Approaches
 - 3.2 Why Optical?
 - 3.3 Hardware Description
 - 3.4 The Optical Networking
 - 3.5 Acoustic networking

3.6 Experiments

3.7 Summary

4 Conclusions

4.1 Contributions and Lessons Learned

4.2 Future Goals

A Adaptive Flash Schematics

B AquaNet Schematics