AAL

FOSRS 2.0

## FALL OF SHOT RECORDING SYSTEM 2.0

Naval Surface Firing Recording and Analysis

FOSRS 2.0 provides recording and miss distance calculation for Naval Surface Gunfire against a towed target. It is designed to be operated from the target towing vessel or firing vessel and provides recorded imagery and real time calculation of two dimensional distances between the target and the projectile splash position. The system is comprised of a professional HD camcorder and laptop computer that utilise latest generation optics and processor technology. The local WiFi connection between camcorder and laptop computer frees the camera operator to obtain the optimal location for recording, while the image is streamed to the system controller.

Improved battery performance together with over 130 hours of video imaging provides full flexibility for surface firing exercises.

Camera metadata is recorded, which allows the operator to dynamically alter camera settings to obtain the best image.

The FOSRS application is compatible with earlier versions of the application, and can import MXF and MP4 video files.
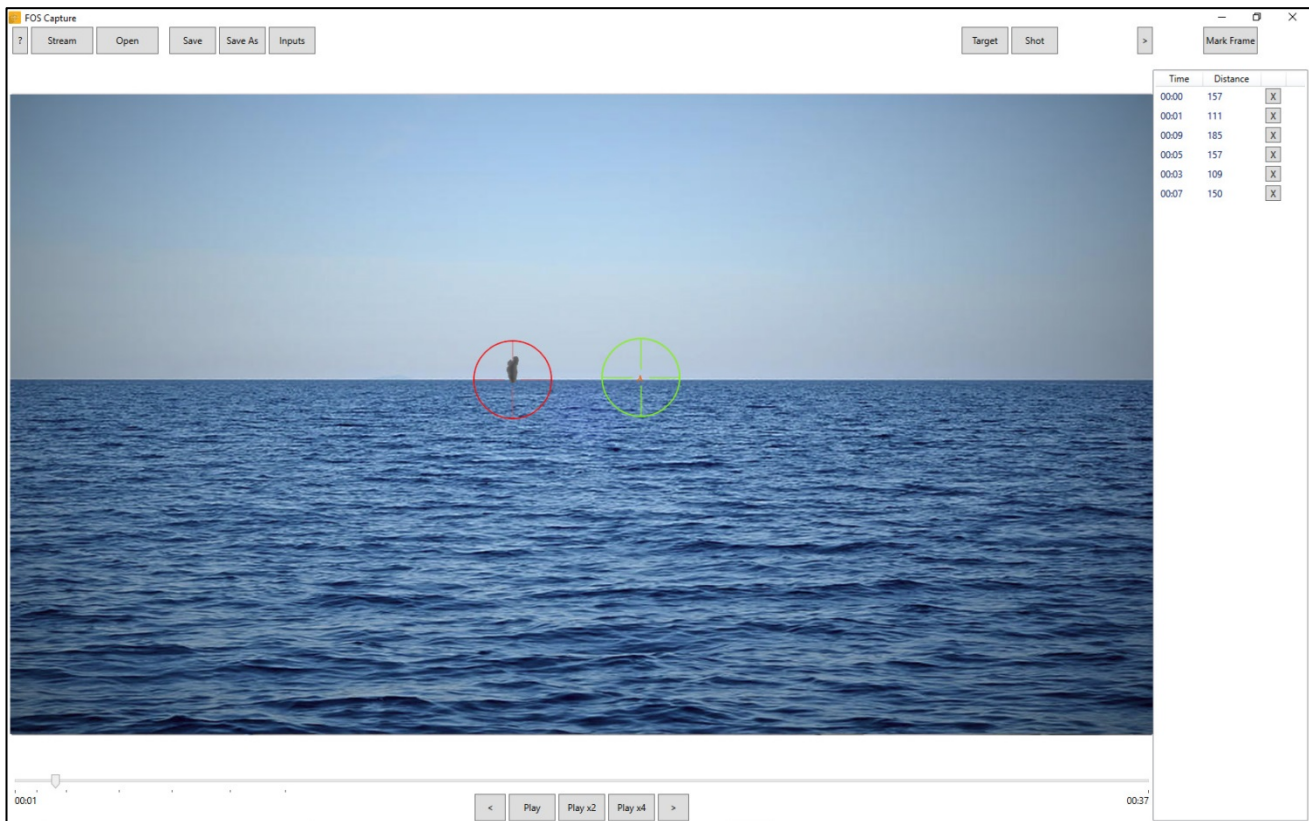
Operation

- The system consists of a pre-configured and optimised Professional HD Camcorder, Panasonic Toughbook Laptop, and licensed software for the FOSRS application.
- The image is streamed using WiFi or Ethernet in near real time to enable a remote operator to report results immediately to the firing unit, which uses the data to make corrections to their gunnery system.
- Post mission analysis can be conducted using the laptop supplied, or desktop computer with software installed.

Benefits

- High resolution, quality recording of fall of shot provides accurate data for analysis of firing ship performance
- System contained in two rugged transit cases with custom padded inserts, and is one-person portable
- Ease of Use – the step by step instructions, comprehensive User Manual, and training package make it possible for an operator to be trained within half a day
- System designed to operate for 8 hours on internal batteries and is not reliant on external power supplies or mountings
- Storage capacity for 130 hours of video imaging (laptop); 5 hours (Camcorder – expandable with additional CompactFlash Memory Cards)

Software

FOSRS Application

Windows®10

Microsoft® Office

Canon XF Utility

Components

Canon XF200 HD Camcorder

Panasonic CF-31 Toughbook Laptop

Transit Cases and accessories