

ANALOG WEAPONS MANAGEMENT SYSTEM

TEK FUSION
GLOBAL, INC.

CAPABILITY

WEAPONS

> GUNS

- PROFENSE M-134 – 7.62MM MINI-GUN
- CFD M3 - .50 CAL
- CUSTOMIZABLE TO ANY FIXED FORWARD WEAPONS SYSTEM

> ROCKETS

- APKWS
- ALL HYDRA 70MM ROCKETS
- M260 – ROCKET POD (ZONES A/B/ALL)
- UPGRADABLE TO THE M261 19-SHOT ROCKET POD

WEAPONS STORES

- > SUPPORTS UP TO 4 STATIONS
- > JETTISON CAPABILITY - SYSTEM IS PROVISIONED TO ALLOW JETTISON OF OUTBOARD STATIONS (ALKAN RACK)



EO/IR SENSORS

- > LASER ARM/SAFE FOR WESCAM MX-10D
- > SIGNALS FOR CONTROL AND SELECTION OF SENSOR PAYLOADS CAN BE CONFIGURED



MIL SPEC STANDARDS

- > DESIGNED AND TESTED TO:
- MIL-STD-461G
- MIL-STD-810G
- MIL-STD-704

NO SOFTWARE = NO DO-178C REQUIREMENTS

TEK FUSION GLOBAL ANALOG WEAPONS MANAGEMENT SYSTEM

INTRODUCTION

TFG OFFERS A SIMPLE AND AFFORDABLE ALTERNATIVE TO THE DIGITAL WEAPONS MANAGEMENT SYSTEM WITH AN ANALOG GUN AND ROCKET SYSTEM CAPABLE OF SELECTING, ARMING, AND FIRING ANY HYDRA 70MM ROCKET, THE CFD INTERNATIONAL M3 .50 CAL MACHINE GUN, AND THE PROFENSE® M134 7.62 MM MACHINE GUN AS MOUNTED ON THE CFD ORDNANCE MOUNTING SYSTEM (OMS). THE ANALOG WEAPONS SYSTEM IS ALSO CUSTOMIZABLE TO ANY 7.62 MM MACHINE GUN AND/OR .50 CAL MACHINE GUN. THE ENTIRE PACKAGE IS ALSO INTEGRATED WITH THE WESCAM MX-10D EO/IR SENSOR TO PROVIDE ISR VIDEO AND LASER GUIDED WEAPONS CAPABILITIES BUT SYSTEM CAN BE INTEGRATED WITH ANY SENSOR.

FEATURES

- MODULAR
- LIGHTWEIGHT
- EASY INSTALLATION
- NO SOFTWARE
- SCALABLE TO AIRFRAME
- AFFORDABLE
- INTUITIVE USER SELECTION
- NVIS LIGHTING
- ROCKET ZONING
- EASE OF USE
- WOG OVERRIDE

DESCRIPTION

THE ANALOG WEAPONS MANAGEMENT SYSTEM COMPRISED OF A SINGLE DZUS RAIL WEAPONS PANEL WHICH MANAGES WMS ON/OFF POWER SELECTION, WEIGHT ON GEAR (WOG) INDICATION AND OVERRIDE, AND A GUARDED JETTISON SWITCH FOR ACTIVATION OF THE OUTBOARD STATION ALKAN EJECTOR RACKS. THE GUN/ROCKET SELECT PANEL IS A TRIPLE STACK DZUS RAIL PANEL THAT PROVIDES THE FLIGHT CREW WITH SELECTION AND CONTROL OF MASTER ARM/SAFE, M134 SELECTION, M3 GUN SELECTION, M3 RECOCK, M3 BOLT POSITION, AND SELECTION OF M260 ROCKET PODS. THE ROCKET CONTROL UNIT (RCU) RECEIVES FIRING, ZONING, AND SINGLE/PAIRS COMMANDS FROM THE GUN/ROCKET SELECT PANEL. BASED ON SELECTION OF THE ROCKET ZONE SWITCH, THE RCU WILL FIRE BY ZONES A OR B, OR ALL. FOR DUAL M260 INSTALLATIONS, THE USER CAN SELECT SINGLE OR PAIRS FIRING MODES.

WEAPONS PANEL



DZUS RAIL MOUNTED

GUN/ROCKET SELECT PANEL



DZUS RAIL MOUNTED

ROCKET CONTROL UNIT (RCU)



EQUIPMENT RACK MOUNTED

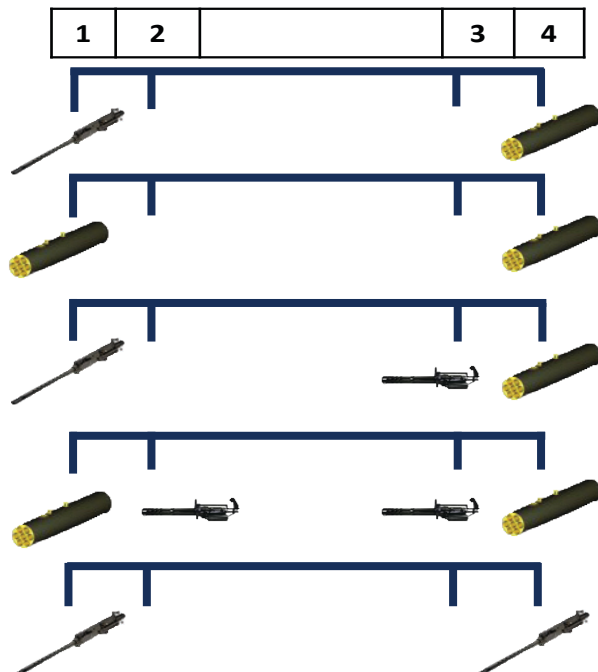
SYSTEM ARCHITECTURAL OVERVIEW



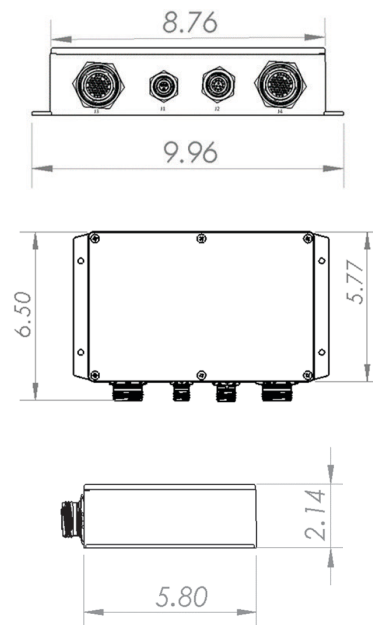
CONFIGURATION

THE TFG ANALOG WEAPONS MANAGEMENT SYSTEM IS CONFIGURABLE UP TO 4 STATIONS ON THE CFD OMS.

CONFIGURATION OPTIONS BELOW:



RCU DIMENSIONS



SYSTEM WEIGHT < 5 LBS

