

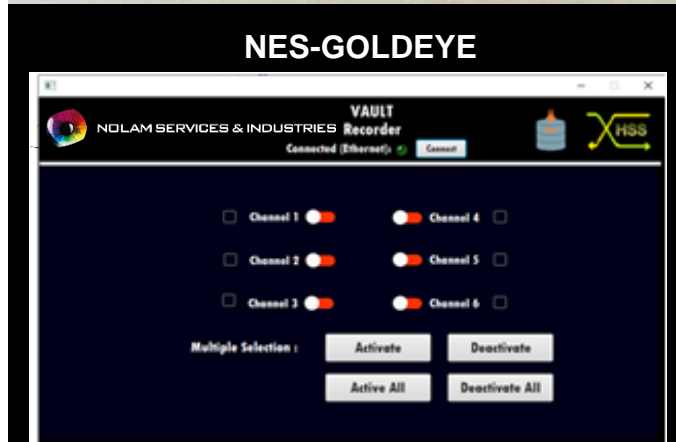


# NES-GOLDEYE

## 1/2 ATR Solid State Flight Data Recorder

### ► HIGHLIGHTS

Processors :(optional)	AMD, XEON,I7,I3,I5,Atom up to 2.8GHZ/4.4Ghz (optional)
RAM :	Up to 64GB
FPGA :(optional)	FPGA Xilinx® Zynq Ultrascale+™ MPSoCARM® quad-core Cortex™-A53 ARM dual-core Cortex™-R5 Mali-400MP2 GPU
RAM FPGA :	With up to 8 GByte of DDR4 ECC SDRAM (PS) and up to 8 GByte of DDR4 RAM (PL)
Ethernet :	Up to 2x Gigabit Ethernet ports Up to 2x 10GB Ethernet ports (optional)
I/O's :	Up to 4x Serial ports RS232/422/485 Up to 4x MIL-STD1553 BC/RT/MT (optional) Up to 4Receive/4Transmit ARINC-429 (optional)
I/O's :	Up to 4x USB ports Up to 2x CANbus ports (optional) Up to 8x Discrete I/O ports (optional) Up to 4x GPIO Up to 3x MiniPcE Slots
I/O's :	1x M2 slot 2x SATA connectors 1x Display port
Led :	Power LED



### NES-GOLDEYE

### NES-VAULT GUI



# NES-GOLDEYE

## 1/2 ATR Solid State Flight Data Recorder

### ► OVERVIEW

The NES-GOLDEYE is Nolam Embedded Systems 1/2 ATR Solid State flight data recorder with a unique field upgradable capabilities combining field upgradable processor and an SOC FPGA and RAID capability.

Customer has the ability to choose between the use of a processor architecture combined with an SOC FPGA . The system can be used either with just the FPGA or the processor or together.

The NES-GOLDEYE has the capacity to record up to 30Gbps.

Nolam Embedded Systems new generation of 1/2 ATR Solid State Flight Recorder NES-GOLDEYE integrates many features that can be used for many Aerospace ,Defense and Naval applications.

Nolam embedded systems API NES-VAULT® is integrated in the NES-GOLDEYE Recorder where customer has the ability to check the health of the system and I/O interfaces and also record and play back the I/O's .

All I/O's are available thru two MIL-DTL38999 connectors



# NES-GOLDEYE

## ½ ATR Solid State Flight Data Recorder

### ► OVERVIEW

Connectors : Power connector Type : 1x TVP00WC111-04P  
I/O Connector Type : 1x TVP00WC115-55P

Fuse : Fuse Box

Chassis : Machined rugged Aluminium  
Conductivity cooled w/custom internal heatsinks  
Ingress protection against sand,dust and moisture  
Anodize Coating ,MIL-A-8625, Type II,Class 2

Standards : MIL-STD-461E  
MIL-STD810F  
IP 68  
MIL-STD1275  
MIL-STD-704

Electromagnetic : MIL-STD-461E Electromagnetic compatibility  
CE-102,CS-114,CS-115,CS-116,RE-102,RS-103

Shock/Vibration/Humidity MIL-STD-810F,501.4I | 501.4II |502.4I |502.4II |507.4 |  
500.4II | 514 | 516I | 516VI | 514.5 |512.4

Operating Temperature : - 40°C to 85°C

ORDERING INFORMATION:  
NES-GOLDEYE -X-X-X-X-X-X

- |   |  |   |                          |
|---|--|---|--------------------------|
| P | 1x Processor (option)                    | C | 2x CanBus (option)       |
| M | 2x MIL-1553 BC/RT/MT (option)            | D | 8x Discrete I/O (option) |
| A | 2xReceive /2xTransmit ARINC-429 (option) | E | 2x 10GB Ethernet option  |