

# Ampex Fiber Channel Audio Visual (FCAV) Unit

## Statement of Work

### 1.0 Background

The requirement is for one (1) Ampex Data Systems Fiber Channel Audio Visual (FCAV) Unit, M/N 1316499-010. The procured FCAV unit will be added to the Aircraft Instrumentation Division's existing inventory of FCAV units and is being purchased specifically to support the EA18G Next Generation Jammer, Mid-Band (NGJ-MB) Program and the modification of VX23's SD522 test aircraft.

### 2.0 Scope

The FCAV unit is ruggedized for harsh airborne environments and has been tested and is qualified for flight test operations. The FCAV units are used in Special Flight Test Instrumentation (SFTI) packages to collect four (4) standard video channels, as well as one (1) fiber channel video. The FCAV Unit takes the standard video streams, encodes and multiplexes the four (4) video streams as one and outputs it in a GigE format. The unit takes in the one (1) fiber channel and converts it to the GigE format, as well.

### 3.0 Deliverables

Table 1 provides a list of components and their quantities that make up the 1316499-010 FCAV unit to be procured.

**Table 1: FCAV Components List**

Part Number	Description	Qty/Unit
1311870-02G	AM11B4, 4-Channel MUX Module	1
1311871-010	AM-170A, Video Encoder Module	2
1312170-010	AM-15F, Interface Module	1
1313090	AM-801, Ethernet 1-Channel Module	2
1316499-010	AMUX 700, Network Multiplexer Data Acquisition Unit With MRX02 & CX011 Modules	1

### 4.0 Delivery

All items are required to be received by the government on or before 120 days after receipt of the order (ARO).