APOGEE LABS

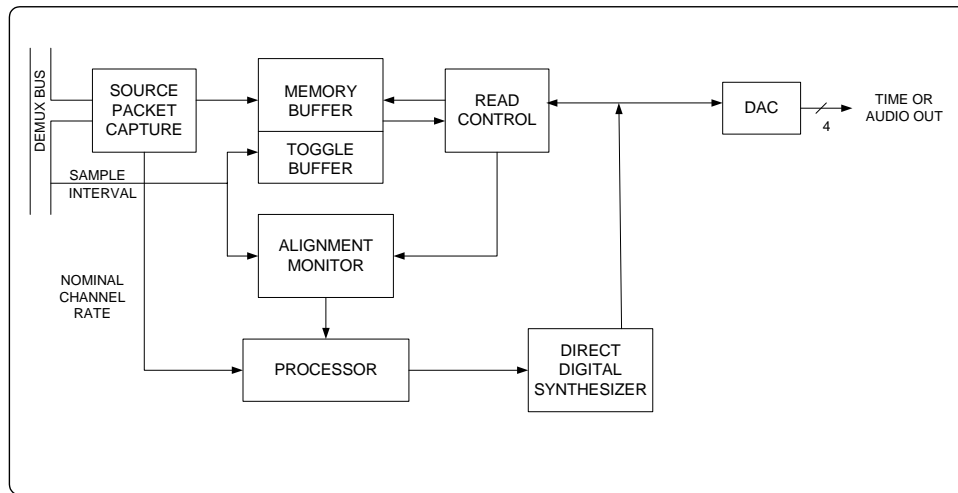## 2022
TAO1
TIME AND AUDIO OUTPUT MODULE

1. FEATURES

➢ Single slot module

➢ 4 Time/Audio Output channels

➢ IRIG B, NASA-36

➢ Amplitude Modulation time format compatible

➢ Easy to operate module

➢ Programmable Channel ID Tag

2. OVERVIEW

The TAO1 output module reconstructs analog time or audio signals that were digitized by a corresponding TAI1 input module in an AL4300 Multiplex unit. The module produces a smooth analog output with the signal time-aligned with other output channels in the demultiplexer.

This module does not require any operator input with the exception of the definition of the Channel Identifier. This Channel ID tag needs to be setup to capture the appropriate source data.

Figure 1 TAO1 Functional Block Diagram

3. SPECIFICATIONS

NUMBER OF CHANNELS

4 Channels on BNC type connectors

OUTPUT VOLTAGE RANGE:

6V pk-pk, AC coupled

FREQUENCY RESPONSE:

1-3000 Hz

3000 Hz low pass output filter

CHANNEL ID

11-bits, 0x000 – 0x7F0

COMPATIBILITY

AL4300 MITC Bus

One Chassis Slot Required