

## Installation in Kaleido-Alto, Kaleido-Alto-HD, Kaleido-Quad and MWO-HR Output Module

### Installation Procedure

This notice explains how to install the MWO-HDM Monitoring Mezzanine in Kaleido-Alto, Kaleido-Alto-HD, Kaleido-Quad and on the MWO-HR Output Module of the Kaleido-K2. To perform the installation, follow the instruction on page 1 and 2 for Kaleido-Alto and page 3 for MWO-HR output module.

#### WARNING:

Before manipulating any electronic components, touch the metal frame to discharge yourself of any static electricity.

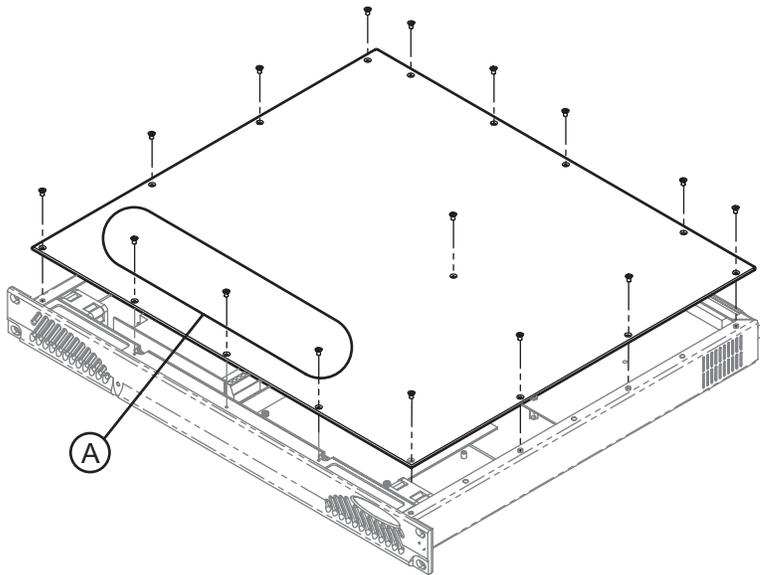
#### Installation in Kaleido-Alto, Kaleido-Alto-HD and Kaleido-Quad:

1- Disconnect the unit before opening the cover or removing .

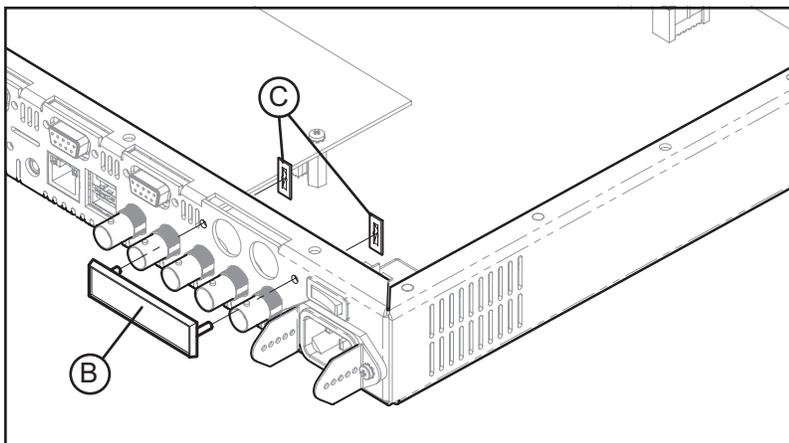
2- Remove the cover.

Using a philips #1 screwdriver, remove all the screws on the cover. Set aside the 3 screws indicated below as "A".

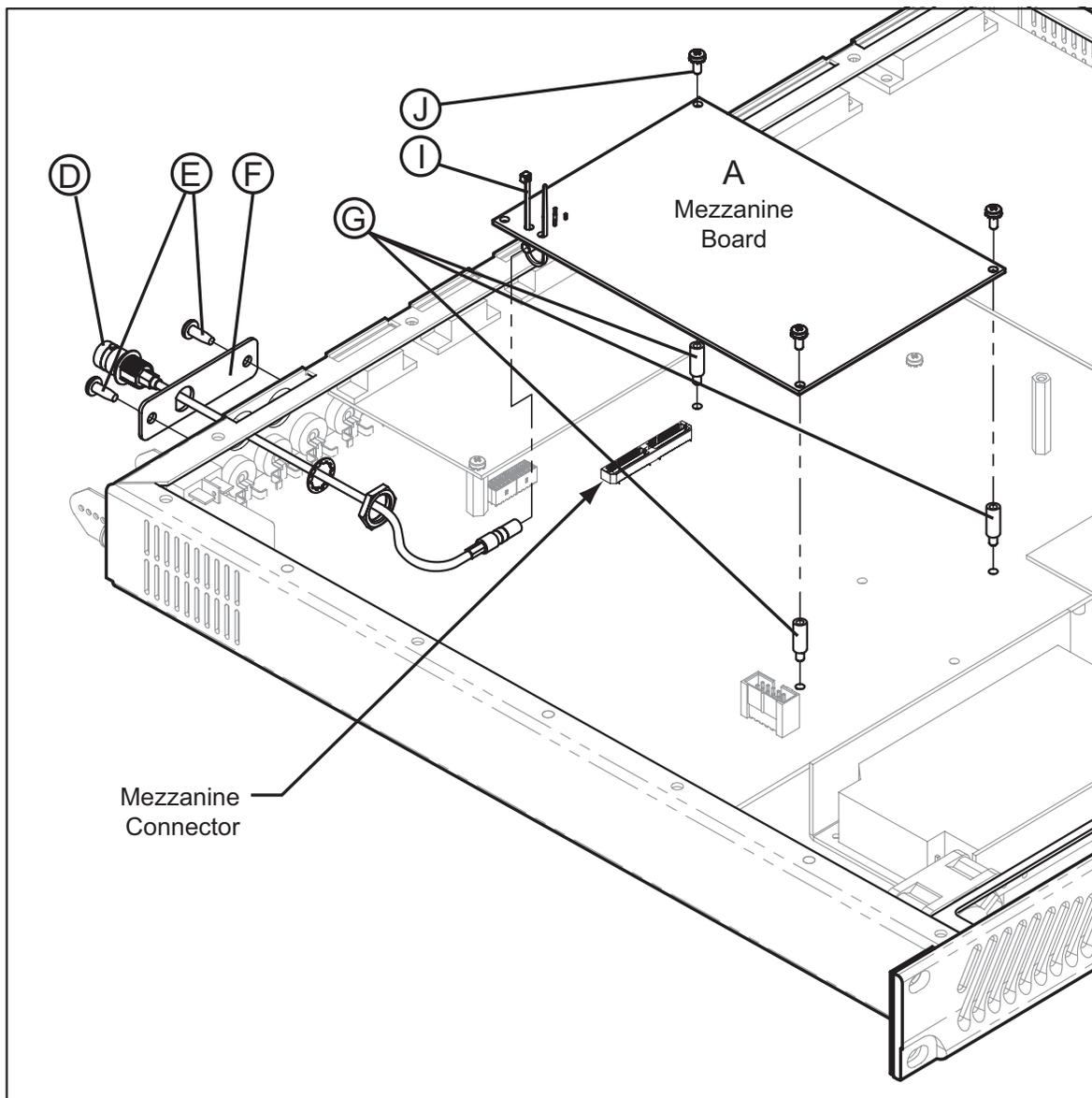
These are self-tapping screws and must be re-installed in the same holes.



3- Remove the black plastic cover (B) by prying with a flat screwdriver near the sides, and free up the steel retainers (C) inside. Discard all these parts.



- 4-Since there is two different sizes of BNC bracket, select the proper one for your frame: place it over the opening previously blanked by the plastic cover removed in step 3. Select the bracket that fits with the connector opening and screw holes.
- 5-Start by assembling the BNC cable assembly (D) on the BNC bracket (F); place the lockwasher and nut in the correct order and tighten.  
Use the two no.6 screws (E) and install the frame as shown. For Kaleido-Alto, use the self-tapping screws; for Kaleido-Alto-HD and Kaleido-Quad, use the machine screws.
- 6- Install stand-offs (G) in the holes for mounting the mezzanine of the main board.
- 7- Plug the miniature coax jack at the end of the BNC cable assembly into the connector of the mezzanine board.  
To help secure the connection insert the plastic cable tie as shown; do not tighten excessively.
- 8- Put the mezzanine in place carefully; press down on the mezzanine connector area.  
Install the screws (J) to secure the assembly.



- 8- Put back the cover. Replace the screws "A" in their respective holes

Installation on MWO-HR Output Module (Kaleido-K2):

Note: the MWO-HDM Monitoring Mezzanine will only work with revision 600 and above of the MWR-HR Output Rear Module. If you are not sure of which version is installed in your Kaleido-K2, remove the Rear Module and check the revision version indicated on the printed circuit board. Contact your sales representative if you have an older revision.

- 1- Remove the MWO-HR output module from the Kaleido-K2 housing frame.
- 2- Using the 4-40 3/16 phil screws provided (A) and nut (C), install the 4 stand-offs (B) at the locations shown below.
- 3- Put the mezzanine in place carefully; press down on the mezzanine connector area.
- 4- Install the 4 screws (A) to secure the assembly.

