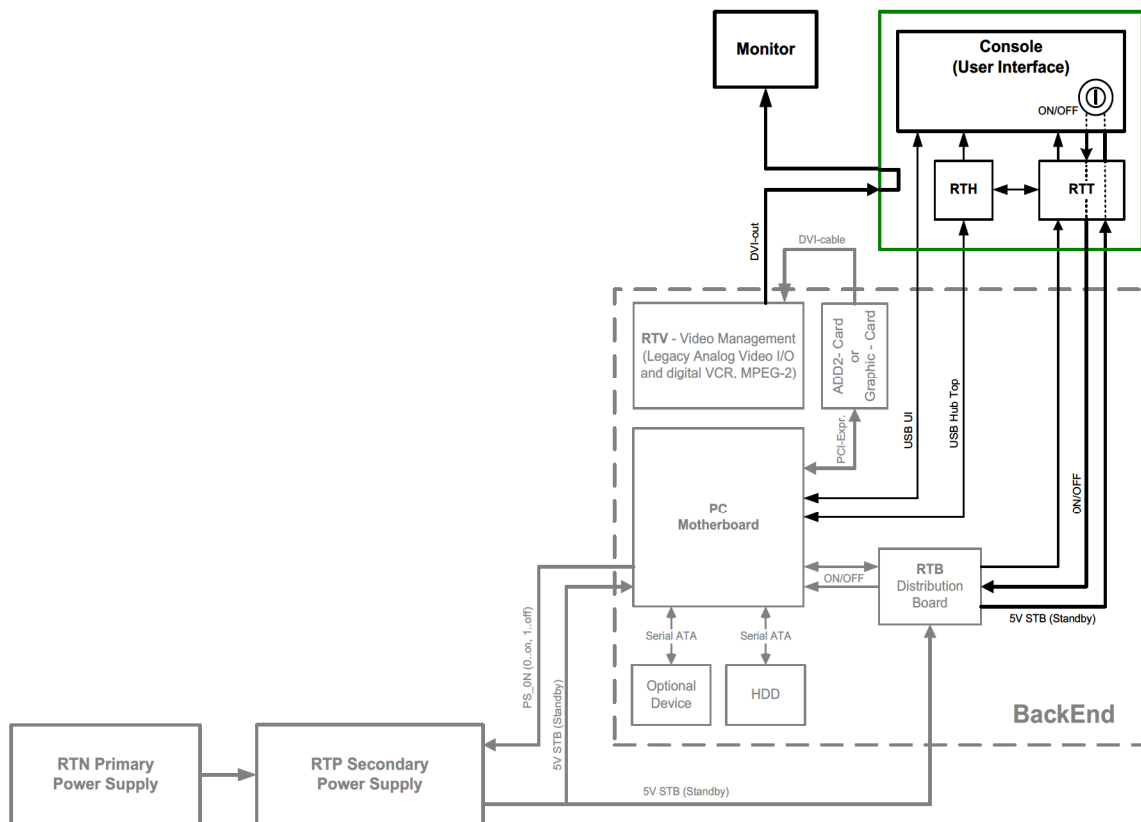


## Section 5-6 Top Console (User Interface)



**Figure 5-23 Front End Processor - Block diagram**

The Voluson® E8 / Voluson® E6 Control Panel (User Interface) consists of the following electronic subassemblies and/or functional components:

- Display/Touch screen module:
  - VGA display – 640x480 pixels
  - Integrated USB to VGA converter with USB2.0 High Speed Interface
  - Resistive 5 wire analog touch screen
- Console module:
  - Micro controller C8032
  - 4 port USB 2.0 Hub controller
  - Slide pots TGC with zero raster position
  - Rotary Encoders with integrated push buttons
  - USB Trackball (2") with dedicated buttons to emulate standard three button mouse
  - USB standard alphanumeric keyboard
  - USB extended keyboard with controller
  - LED Indicators with wide range dimming
- DC/DC Converter:
  - Converts 12VDC input voltage to 5VDC and 3.3VDC output voltage for supplying User Interface components