

# LuViva System Block Diagram

Crystal Frequencies

12.00MHz

13.56MHz

## Base Unit

Power Entry Module  
– Circuit Breaker  
and Switched

Door  
Interlock  
Switch

Base Unit  
Fan

Standby  
Power  
Supply  
  
+12  
VDC

Relay

AC Power Control

Relay

Lamp Power  
Supply

Low Voltage Power  
Supply

+5/+12  
VDC

Arc Lamp

B\_ON/STBY

BUC CCA

ON/STBY

+5  
VDC

Main Controller

Main Controller

+12  
VDC

USB

DC

90-264 VAC 47 – 63  
Hz

Signal

Circle - Hard wire  
Square - Connector

ON/STDBY Switch on  
HHU

HHUC CCA

+5  
VDC

+5  
VDC

Spectrograph

Camera

## Hand Held Unit

Audio

VGA

Monitor