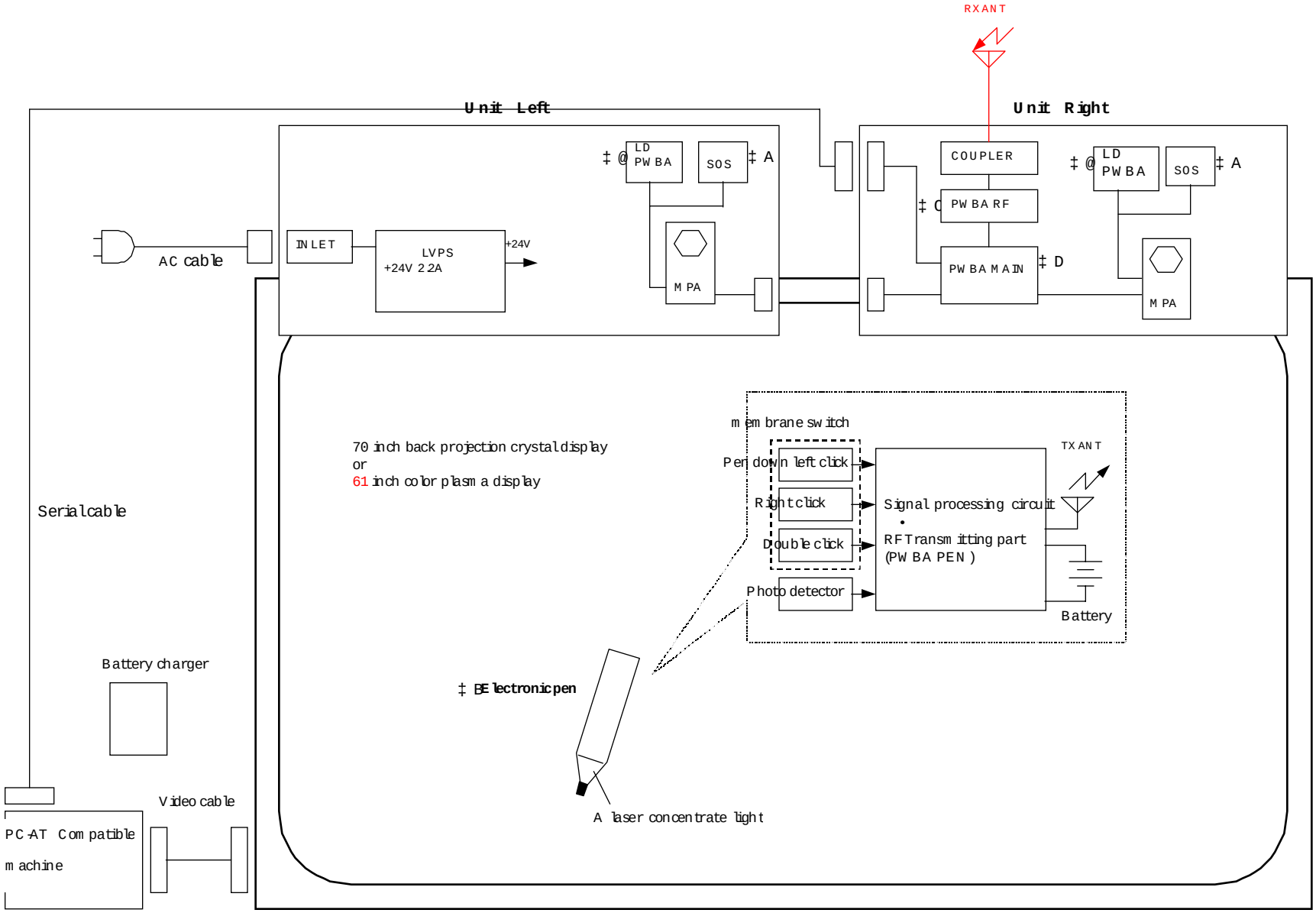
RXANT
Unit Left
Unit Right
LD PWBA
SOS
COUPLER
LD PWBA
SOS
PWBA RF
PWBA MAIN
MPA
MPA
AC cable
INLET
LVPS
+24V 2.2A
+24V
70 inch back projection crystal display
or
61 inch color plasma display
membrane switch
Pen down
left click
Right click
Double click
Photo detector
Signal processing circuit
RF Transmitting part
(PWBA PEN)
TXANT
Battery
Serial cable
Battery charger
Video cable
PC-AT Compatible
machine
Electronic pen
A laser concentrate light

This device detects a position(X,Y) of the electronic pen using two laser scanner units.
PWBA MAIN calculates a position(X,Y) of the electronic pen by triangulation method.
Detail is shown as follows:
First, time interval is measured from the time scanning laser has passed SOS to the time it has arrived at the sensor of pen for each laser scanner unit.
Next, the angle is taken by the above time interval for each unit.
Finaly, the pen position is obtained from each angle by triangulation method.

Unit Right is consists of PWBA RF, PWBA MAIN and LSU.
Unit Left is consists of LVPS and LSU.
LSU is consists of PWBA LD, MPA and SOS.
Electronic pen is consists of sensor,Pen Down S/W, and Pen side S/W.

- PWBA LD
- A laser irradiated with PWBA LD is scanned by MPA(Motor Plygon Assy).

- SOS
- Signal of start of scan is sent from SOS to PWBA MAIN.

- electronic pen
- An electronic pen transmits the inside information (Photo detector, Pen down S/W,
- Pen side S/W) by an radio waves through TX ANT.

- PWBA RF
- PWBA RF demodulates a signal through the RX ANT. and the coupler in an electronic pen,
- and send to PWBA MAIN.

- PWBA MAIN
- PWBA MAIN transmits position informations of an elctronic pen to PC-AT compatible machine.