

Retractable LCD Monitor Specification

1.1 FUNCTIONAL BLOCK DIAGRAM

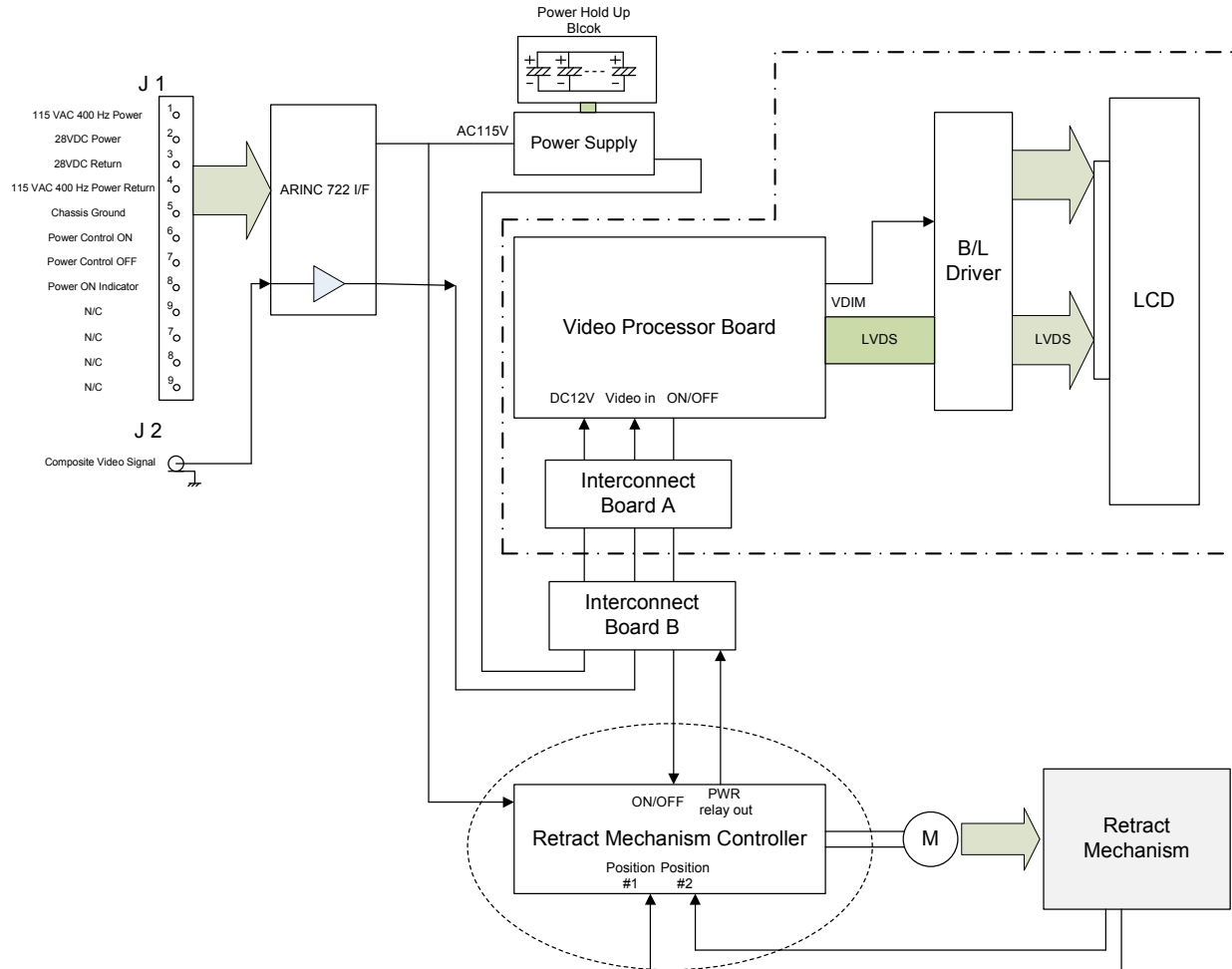


Figure 1 – Block Diagram

1.2 DESCRIPTION

- Designed for the aircraft environment
- Video Inputs:
 - Composite Video
- Support of NTSC/PAL/SECAM video formats
- Retractable mechanism

1.3 POWER REQUIREMENTS

PARAMETER	RATING		Unit
	MIN	MAX	
AC Supply Voltage	100	122	VAC
AC Supply Frequency	60	440	Hz
AC Power Consumption	--	15	W
Temperature – Operational	-15	50	°C
Temperature – Non-operational	-25	70	°C
Weight	--	8.5	lbs
Power Interrupt	200	--	ms

Table 1 – Power Requirements

1.4 VIDEO PERFORMANCE SPECIFICATIONS

PARAMETER	RATING
Screen Size	9.7" (246.38 mm) Diagonal
Native Resolution	1024 x 768
Viewing Area	15.13" (384.302 mm) x 8.72" (221.488 mm)
Aspect Ratio	4:3
Viewing Angle	178° Horizontal, 178° Vertical
Contrast Ratio	600:1
Brightness	400 cd/m ²
Composite Input	1 V P to P 75 ohms
Composite Input Format	NTSC, PAL, SECAM (Auto Switching)
Backlight	LED

Table 2 – Video Performance Specifications

1.5 MECHANICAL SPECIFICATIONS

1.5.1 CONNECTOR INTERFACES

1.5.1.1 J1 Connector

J1: MS24264R8B3PN or equivalent

Pin	Signal Name	Description
1	115 VAC Hot	115 VAC 400 Hz POWER
2	28VDC	28VDC POWER
3	28VDC RTN	28VDC RETURN
4	115 VAC RTN	115 VAC 400 Hz POWER RETURN
5	CHASSIS_GND	CHASSIS GROUND
6	PWR_CNTRL_ON	POWER CONTROL ON
7	PWR_CNTRL_OFF	POWER CONTROL OFF
8	PWR_ON_INDICATOR	POWER ON INDICATOR (28VDC output when ON)
9	NC	NOT CONNECTED

1.5.1.2 J2 Connector

J2: COAX connector

Pin	Signal Name	Description
1	Video Input	Composite Video Signal Input

1.5.2 Outline Drawing

See the following drawing.

