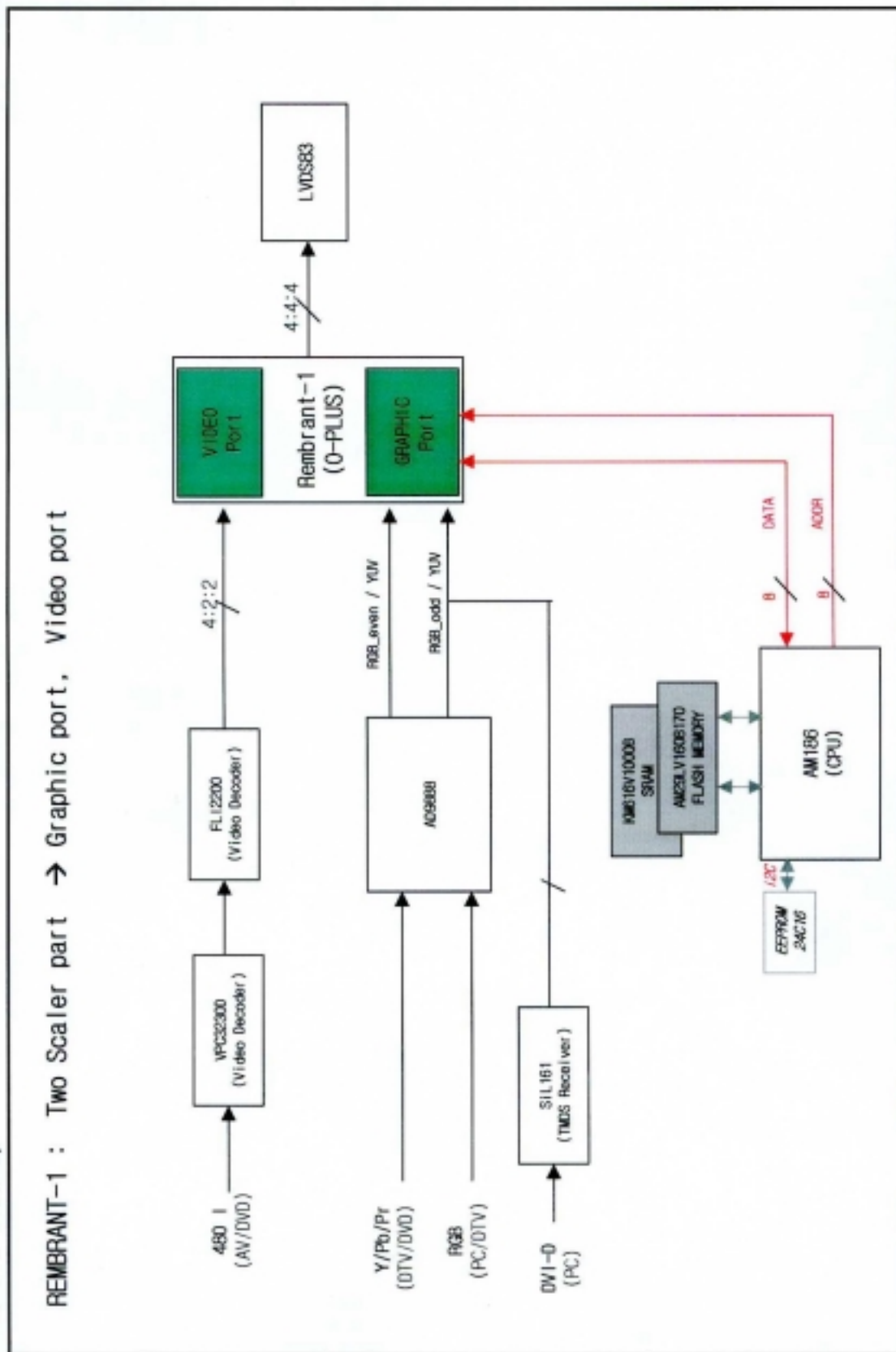


Block Diagram

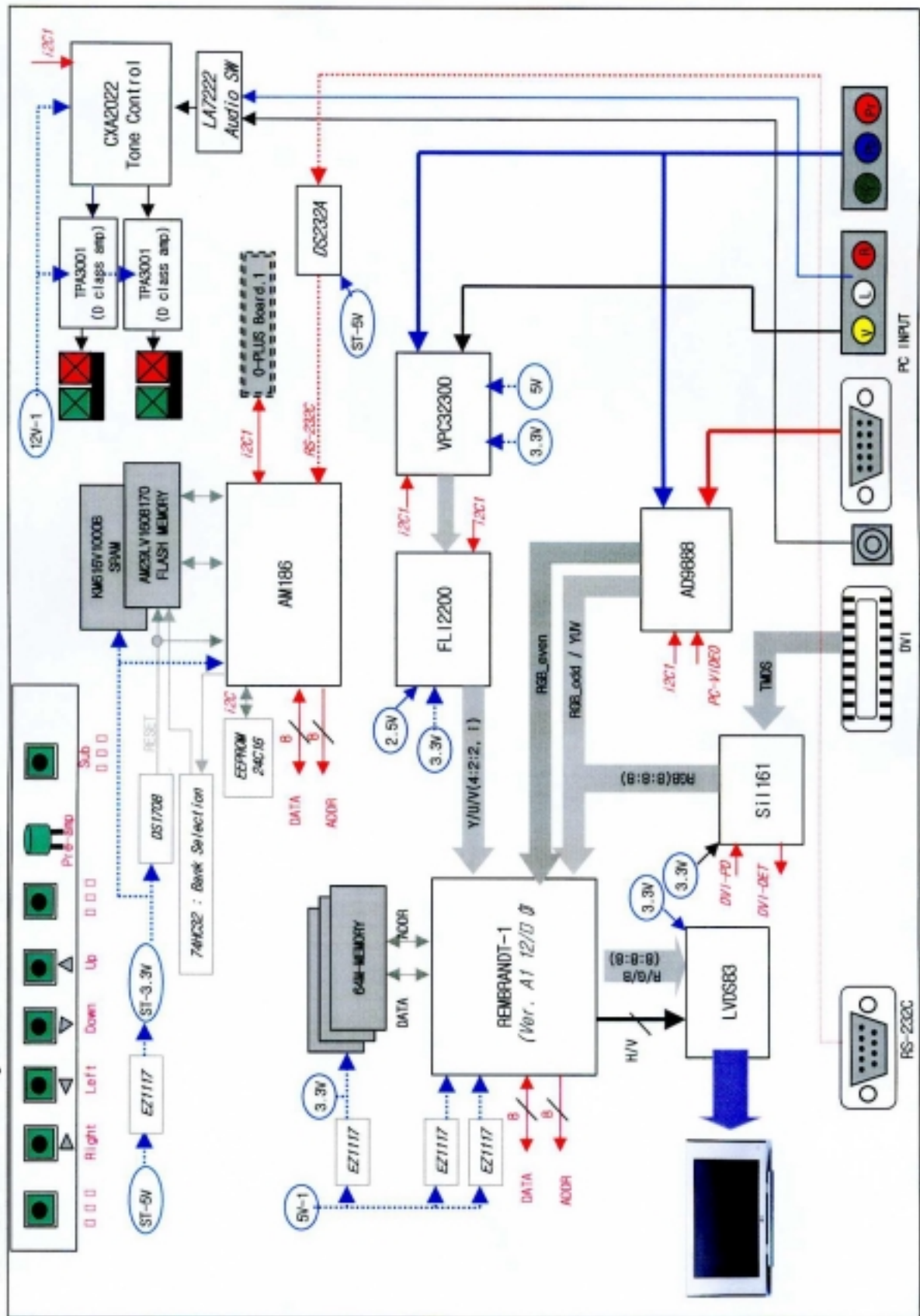
1. I.c line-up



The diagram illustrates the power supply architecture for the AM186. It shows the following components and power flow:

- Input Sources:** 24V (5A), 5V (2A), 18V-1 (100mA), 12V-2, and ST-BVS (300mA).
- DC-DC Converter:** Receives 12V-2 and outputs 3.3V (2000mA) and 9V (250mA).
- Discret Part:** Receives 9V and outputs 1.8V (450mA) and 1.5V (300mA).
- TPA3001 (D class amp):** Receives 24V and 5V, outputs 1700mA and 100mA to the 18V-1 source.
- MS234100:** Receives 18V-1 and outputs 100mA to the 12V-2 source.
- Power Distribution:**
 - 5V HI/O: 500mA
 - 3.3V IO: 500mA
 - 1.8V CORE: 450mA
 - LVDB23: 300mA
 - S11161: 250mA
 - AD9888: 300mA
- Memory and Storage:**
 - RAM MEMORY (1280 X 768)
 - RAM16V10008 SRAM
 - AM23LV1006170 FLASH MEMORY
 - EEPROM 24C16
- Control and Logic:**
 - 74H623: Bank Selection
 - OS1708
 - RESET
 - AM186

3. LCD Monitor System BLOCK DIAGRAM



4. Connection

