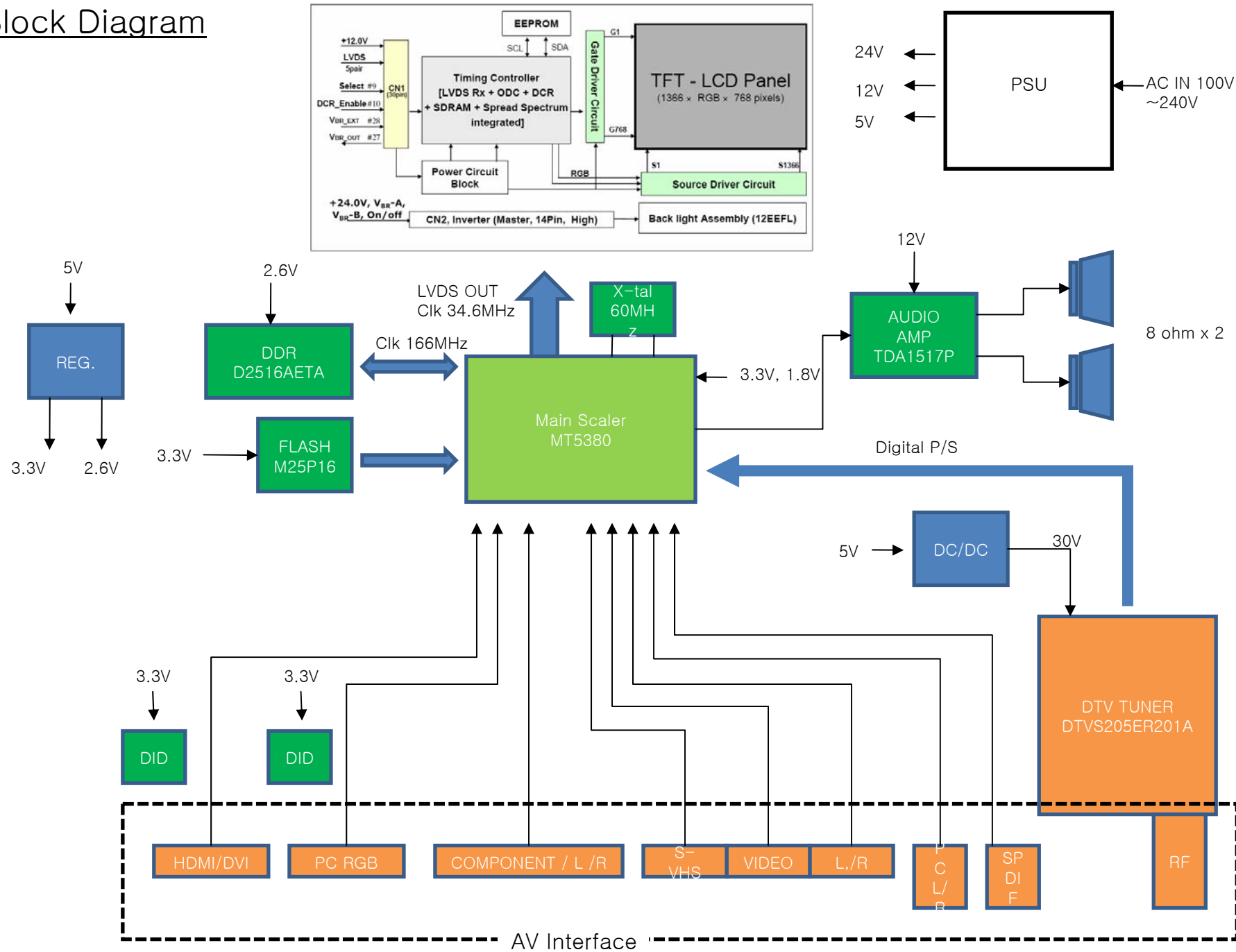


**APPENDIX D**  
**: BLOCK DIAGRAM**

# Block Diagram



## Description of Block Diagram

1. Component input
  - Signal go to Main scaler IC directly.
2. RGB input
  - PC RGB input section is composed of impedance matching circuit and DID check circuit..
  - RGB input signal is connected to main scaler directly.
3. HDMI/DVI input
  - Signal go to Main scaler IC directly.
4. AV input
  - Video and S-VHS signal are connected to Main scaler IC directly.
5. RF input
  - Tuner handles the analog and digital RF signal together.
  - Tuner toss IF signal to Main scaler IC.
  - And Main IC demodulate IF signal to Base band signal.
6. Audio Amp
  - Audio Amp amplifies audio signal to 2.5W at 8ohm speaker.
  - Audio amp drive two speakers.
7. Video signal and Audio signal Processor
  - MT5380 can handle Video and audio signal on same device.
  - And this scaler take care of digital video and audio stream.
  - This IC make output a signal for SPDIF.