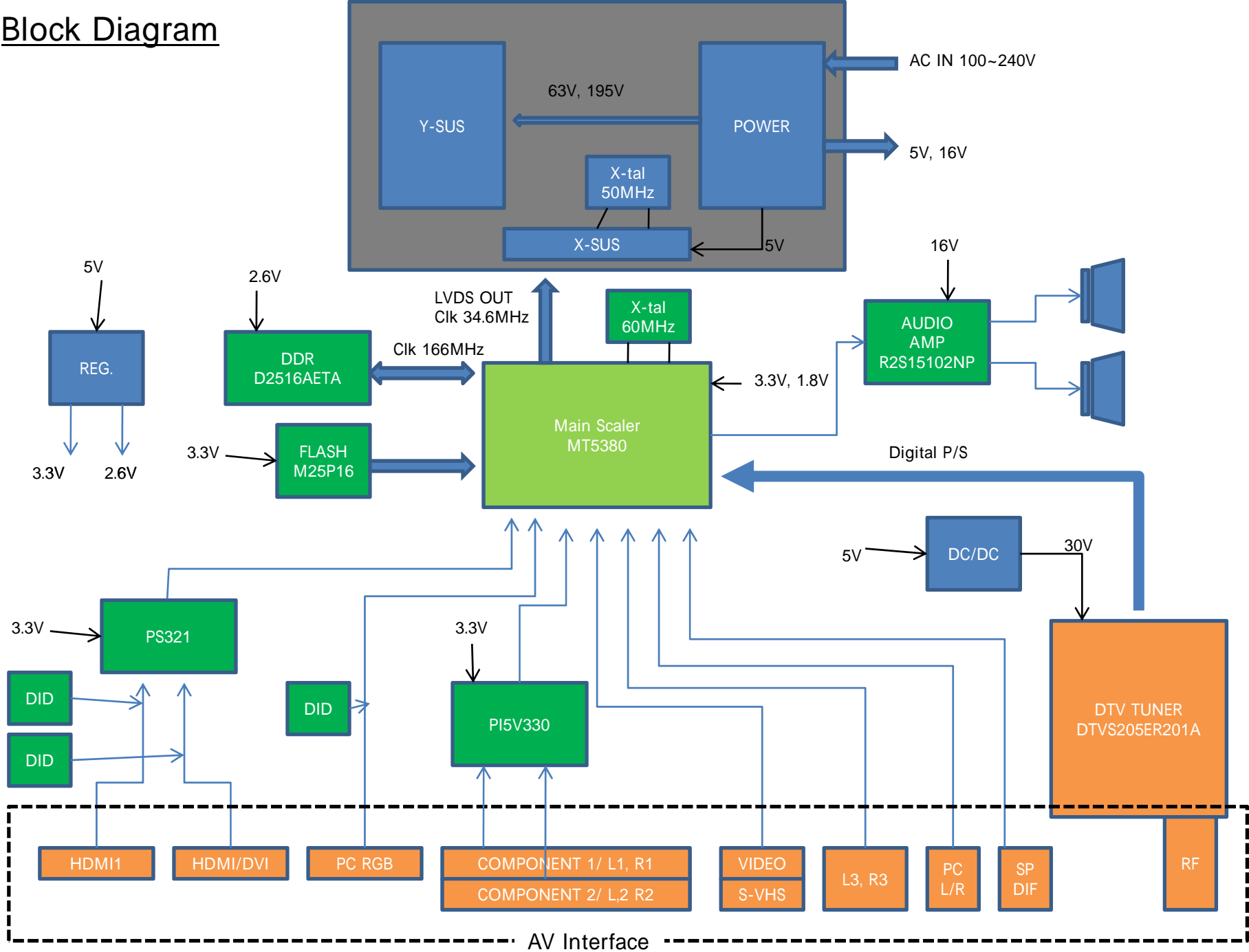


APPENDIX D  
: BLOCK DIAGRAM

Block Diagram



# Description of Block Diagram

1. Component input
  - Component input signal is selected through PI5V330 IC , and then go to Main scaler IC.
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
  - This block is composed of HDCP check IC and switching IC .
  - HDMI/DVI signal is selected on IC Ps321, and then go to Main scaler IC.
4. AV input
  - Video and S-VHS signal are connected to Main scaler IC directly.
5. RF input
  - Tuner handles analog and digital RF signal together.
  - Tuner toss Digital stream to Main scaler IC on Digital RF signal.
  - And On analog, Tuner gives video and audio signal in analog type .
6. Audio Amp
  - Audio Amp amplifies audio signal to 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 signal for SPDIF.