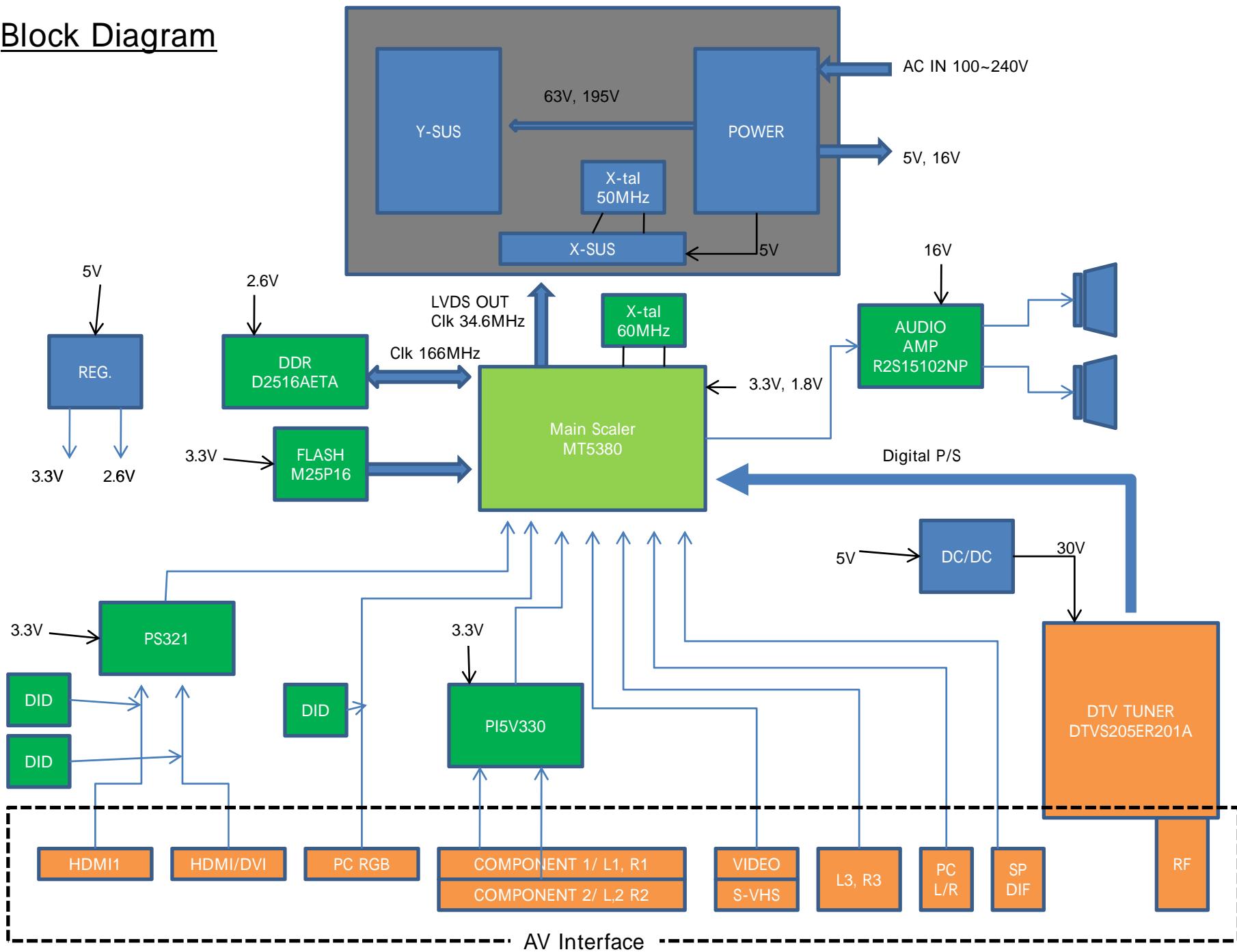


APPENDIX D

: 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 amplifyies 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.