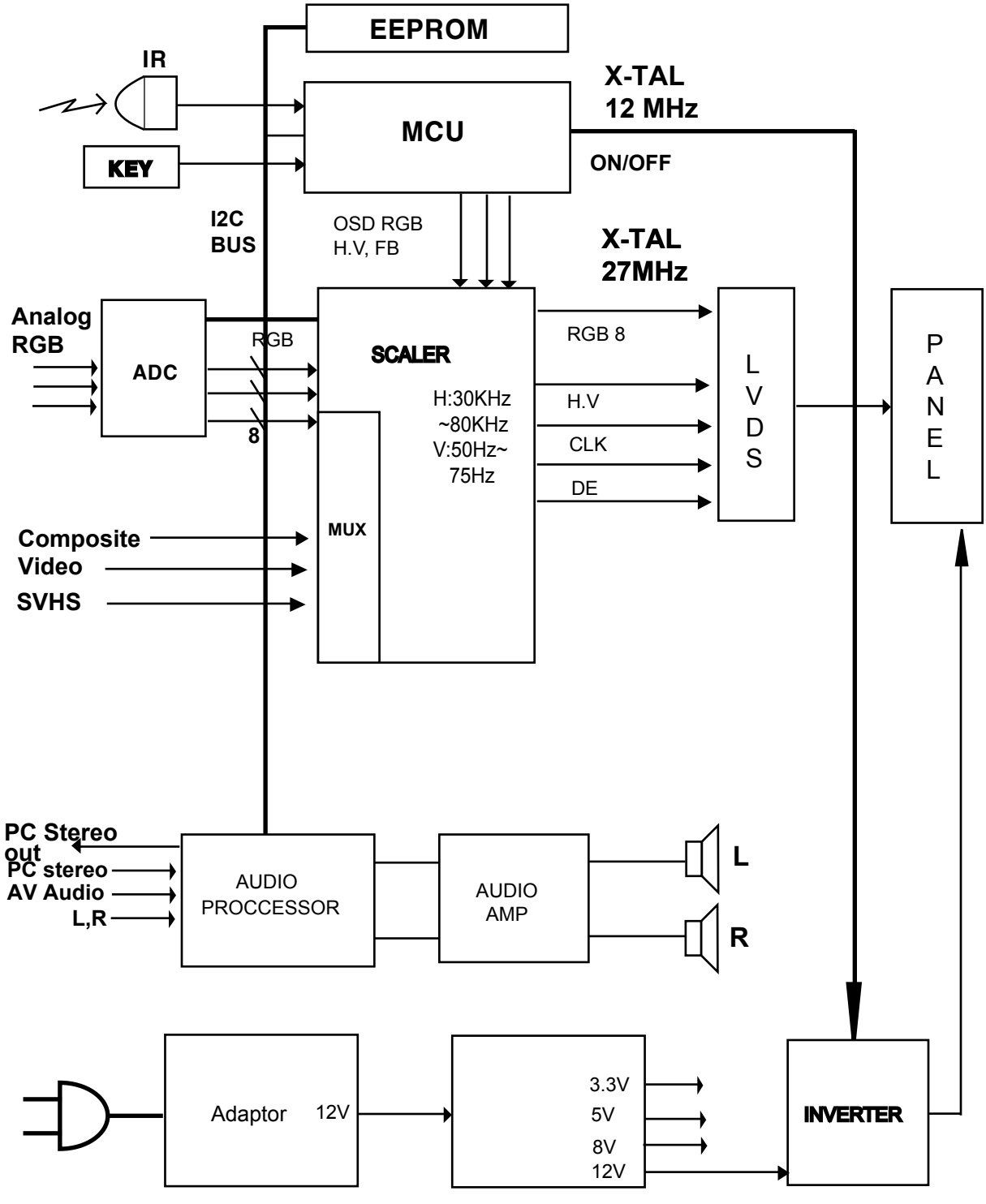BLOCK DIAGRAM FOR LS1500