HMI (Human Machine Interface) display LSI

For home appliances and automotive system HMI

Added value

- Realize a lifelike advanced HMI design by 2.5D graphics engine,
- Built-in high quality picture processing engine and LCD timing controller,
- Built in analogue & digital video capture and image enhancement functions.

Abstract

- Supports rich graphical design with built-in 2.5D graphics engine, camera distortion correction, HUD correction, layer overlay, color channel adjustment functions.
- Reduction of external components with built-in microcontroller and RAM (3MByte)
- Available for max resolution WVGA (800x480) and variant size like (800x200)

Application

- Display of home appliances
- Automotive AV system
- Automotive information display (electric meter, Head Up Display)
The display of Home Appliances.
Operation is supported by visual HMI.
Operation guide etc.

Car AV / Camera compensation processing
Cluster monitor
ECO information

Display Audio
AV+NAVI
Air Con

HMI Display LSI
- CPU
- 2.5Dim Graphics
- Video Input
- Video Output
- Video Enhancer
- Memory
- Memory Interface
- LCD

2.5D Graphics
Fine Video & Graphics

Display Memory Inside

Panasonic
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