

Panel

Diagonal Size

55"

Type

60Hz D-LED BLU

Resolution

1920*1080 (Full HD)

Pixel Pitch(mm)

0.21(H) x 0.63(V)

Active Display Area(mm)

1209.6(H) x 680.4(V)

Brightness(Typ.)

400 nit

Contrast Ratio

3500:1

Viewing Angle(H/V)

178:178

Response Time(G-to-G)

6ms

Display Colors

10bit Dithering - 1.07Billion

Color Gamut

0.72

Operation Hour

'24/7

Display

Dynamic C/R

50,000:1

H-Scanning Frequency

30 ~ 81kHz

V-Scanning Frequency

48 ~ 75Hz

Maximum Pixel Frequency

148.5MHz

Sound

Speaker Type

Built in Speaker(10W + 10W)

Connectivity

Input

RGB

DP1

Video

HDMI1

HDCP

HDCP 1.4

Audio

Stereo Mini Jack, DVI Audio(Common)

USB

USB 2.0 x 2

Output

RGB

DP1.2(Loop-out)

Audio

Stereo mini Jack

External Control

RS232C(in/out) thru stereo jack, RJ45

External Sensor

IR, Proximity Sensor

Tuner

No

Power

Type

Internal

Power Supply

Power Consumption

Max[W/h]

TBD

Typical[W/h]

TBD

BTU(Max)

TBD

Sleep mode

TBD

Off mode

TBD

Mechanical Specification

Dimension (mm)

Set

1249.2 X 720.0 X 57.4

Package

1380 X 860 X 215

Weight (kg)

Set

25.5

Package

29

VESA Mount (mm)

400*400mm

Protection Glass

Yes

Stand Type

Foot Stand (Optional)

Media Player Option Type

Embedded, SBB(Attachable)

Bezel Width (mm)

1mm(Black Printing Line 19.3mm)

Operation

Operating Temperature

0.0 °C ~ 40.0 °C

Humidity

10.0 % ~ 80.0 %

Feature

Key Features

Slim & Light LFD with Built-in MagicInfo Player S3, SSSP 3.0

Orientation

N/A

Remote Control

N/A

Special Features

HW : Super Clear Coating, Temperature Sensor, Video Wall(15x15), Pivot Display, Clock Battery(168hrs Clock Keeping), Built in Speaker(10W x 2), WiFi Module
Embedded SW : Magic Clone(to USB), Auto Source Switching & Recovery, RS232C/RJ45 MDC, Plug and Play, PIP/PBP, Image Rotation, Button Lock, DP 1.2 Digital Daisy Chain(HDCP Support), Built In MagicInfo Player S3, Firmware Update by Network, LFD New Home Screen, PC-less VideoWall, Predefined Template for Vertical Usage, Multi Channel, Mobile Control, Event Schedule, Backup Player, PC-less Touch, MagicPresenter

Internal Player

Processor

Cortex-A9 1GHz Quad Core CPU

On-Chip Cache Memory

L1 (I/D) : 32KB / 32KB L2 (Unified) : 1MB

Clock Speed

1GHz CPU Quad

Main Memory Interface

1.5GB Dual 48bit DDR3-933 (1866MHz)

Graphics

2D & 3D Graphics Engine - Up to 1920x1080. 32bpp - Supports OpenGL ES

Storage (FDM)

8GB (2.65GB Occupied by O/S, 5.35GB Available,)

Multimedia

Video Decoder - MPEG-1/2, H.264/AVC (Dual) - VC-1, JPEG, PNG, VP8 Audio DSP (Decoder) - AC3 (DD), MPEG, DTS and etc.

IO Ports

USB 2.0

Operating System

Samsung Proprietary OS(VDLinux)

Certification

Safety

CB (Europe) : IEC60950-1/EN60950-1 UL(USA) : cUL60950-1 CCC (China) : GB4943.1-2011 PSB (Singapore) : PSB+IEC60950-1 NOM(Mexico) : Tuner : NOM-001-SCFI-1993 Tunerless : NOM-019-SCFI-1998 KC(Korea) : K 60950-1 IRAM (Argentina) : IRAM+IEC60950-1 EAC(Russia) : EAC+IEC60950-1 INMETRO(Brazil) : INMETRO+IEC60950-1 SASO (Saudi Arabia) : SASO+IEC60950-1 BSMI(Taiwan) : BSMI+IEC60950-1 CSA (Canada) : cUL RCM(Australia) : IEC60950-1/AS/NZS 60950-1 BIS(India) : IEC60950-1 / IS13252 TUV (Germany) : CE NEMKO (Norway) : CE

EMC

FCC (USA) Part 15, Subpart B Class A KCC/EK (Korea) : Tuner : KN13 / KN20 Tunerless : KN22 / KN24 CE (Europe) : EN55022:2006+A1:2007 EN55024:1998+A1:2001+A2:2003 VCCI (Japan) : VCCI V-3 / 2010.04 Class A CCC(China) : GB9254-2008 GB17625.1-2012 BSMI (Taiwan) : CNS13438 (ITE EMI) Class A / CNS13439 (AV EMI) / CNS14409 (AV EMS) / CNS14972 (Digital) C-Tick (Australia) : AS/NZS CISPR22:2009 GOST(Russia/CIS) : GOST R 51317 Series, GOST 22505-97 EN55022:2006+A1:2007 EN55024:1998+A1:2001+A2:2003

Accessory

Included

Quick Setup Guide, Regulatory Guide, Warranty Card, Power Cord, Remote Controller, Batteries, RS232C(IN) adapter, Cover-Jack, Screw (M3L8, 1EA) (M4L8, 4EA)

Optional

Stand

STN-L4655E

Mount

WMN4270SD,WMN450MD,

Specialty

CML450D (Ceiling Mount)

Media Player

Media Player

Media Player

SBB (Optional)