

Panel

Diagonal Size 55"	Type 60Hz D-LED BLU
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Resolution 1920*1080 (Full HD)	Pixel Pitch(mm) 0.21(H) x 0.63(V)
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Active Display Area(mm) 1209.6(H) x 680.4(V)	Brightness(Typ.) 400 nit
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Contrast Ratio 3500:1	Viewing Angle(H/V) 178:178
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Response Time(G-to-G) 6ms	Display Colors 10bit Dithering - 1.07Billion
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Color Gamut 0.72	Haze N/A
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Display

Dynamic C/R 50,000:1	H-Scanning Frequency 30 ~ 81kHz
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V-Scanning Frequency 48 ~ 75Hz	Maximum Pixel Frequency 148.5MHz
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Sound

Speaker Type Built in Speaker(10W + 10W)
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Connectivity

Input

RGB
DP1

Video
HDMI1

Audio
Stereo Mini Jack, DVI
Audio(Common)

Usb
USB 2.0 x 2

Output

RGB
DP1.2(Loop-out)

Video
N/A

Audio
Stereo mini Jack

Power Out
N/A

External Control
RS232C(in/out) thru stereo jack,
RJ45

External Sensor
IR, Proximity Sensor

Tuner
No

Power

Type
Internal

Power Supply
AC 100 - 240 V~ (+/- 10 %),
50/60 Hz

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
Embbded, SBB(Attachable)

Bezel Width (mm)
1mm(Black Printing Line
49.3mm)

Operation

Recommended Usage Hours
'24/7

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

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

Environment

N/A

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)
