

## 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	3500:01:00
Viewing Angle(H/V)	178:178
Response Time(G-to-G)	6ms
Display Colors	10bit Dithering - 1.07Billion
Color Gamut	0.72
Haze	N/A

## Display

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

## Display

Speaker Type	Built in Speaker(10W + 10W)
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## 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)
	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
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<b>Power Supply</b>		AC 100 - 240 V~ (+/- 10 %), 50/60 Hz
<b>Power Consumption</b>	<b>Max[W/h]</b>	TBD
	<b>Typical[W/h]</b>	TBD
	<b>BTU(Max)</b>	TBD
	<b>Sleep mode</b>	TBD
	<b>Off mode</b>	TBD

### Mechanical Specification

<b>Dimension (mm)</b>	<b>Set</b>	1249.2 X 720.0 X 57.4
	<b>Package</b>	1380 X 860 X 215
<b>Weight (kg)</b>	<b>Set</b>	25.5
	<b>Package</b>	29
<b>VESA Mount (mm)</b>		400*400mm
<b>Mounting Hole</b>		N/A
<b>Protection Glass</b>		Yes
<b>Stand Type</b>		Foot Stand (Optional)
<b>Media Player Option Type</b>		Embedded, SBB(Attachable)
<b>Bezel Width (mm)</b>		1mm(Black Printing Line 19.3mm)

### Operation

<b>Recommended Usage Hours</b>	'24/7		
<b>Operating Temperature</b>	0.0 °C ~ 40.0 °C	<b>Humidity</b>	10.0 % ~ 80.0 %

### Feature

<b>Key Features</b>	Slim & Light LFD with Built-in MagicInfo Player S3, SSSP 3.0
<b>Special Features</b>	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

<b>Internal Player</b>	<b>Processor</b>	Cortex-A9 1GHz Quad Core CPU
	<b>On-Chip Cache Memory</b>	L1 (I/D) : 32KB / 32KB L2 (Unified) : 1MB
	<b>Clock Speed</b>	1GHz CPU Quad
	<b>Main Memory Interface</b>	1.5GB Dual 48bit DDR3-933 (1866MHz)
	<b>Graphics</b>	2D & 3D Graphics Engine - Up to 1920x1080. 32bpp - Supports OpenGL ES
	<b>Storage (FDM)</b>	8GB (2.65GB Occupied by O/S, 5.35GB Available, )
	<b>Multimedia</b>	Video Decoder - MPEG-1/2, H.264/AVC (Dual) - VC-1, JPEG, PNG,VP8 Audio DSP (Decoder) - AC3 (DD), MPEG, DTS and etc.
	<b>IO Ports</b>	USB 2.0
	<b>Operating System</b>	Samsung Proprietary OS(VDLinux)

### Certification

<b>Safety</b>	<p>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</p>
<b>EMC</b>	<p>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</p>

### Accessory

<b>Included</b>		Quick Setup Guide, Regulatory Guide, Warranty Card, Power Cord, Remote Controller, Batteries, RS232C(IN) adapter, Cover-Jack, Screw (M3L8, 1EA) (M4L8, 4EA)
<b>Optional</b>	<b>Stand</b>	STN-L4655E
	<b>Mount</b>	WMN4270SD,WMN450MD,
	<b>Specialty</b>	CML450D (Ceiling Mount)

### Media Player

<b>Media Player</b>	SBB (Optional)
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