

# Technical Specifications for LCD Television

Form: HAF20130819

HA model number	<b>55K390PAD</b>
Manufacturer model number	<b>LTDN55K390XWU3D</b>
Description	139.7cm (55 in) LED edge-lit LED

## Specifications document control

Status (Draft / Tentative / Final)	<b>Tentative</b>	1
Revision number	<b>5</b>	2
Date	<b>2014/1/3</b>	3
Issued by	Colin	4
Approved (HA / HQ)	No / No	5

## Image

Panel manufacturer	-	-	1
Panel model	-	HS*HE550HFD-B32	2
Active display area (Horiz x Vert)	[mm]	1209.6 (H) x 680.4 (V)	3
Commercial screen size	[cm / inch]	139.7 / 55	4
Backlight source {CCFL, Edge-lit LED, ...}	-	Edge-lit LED	5
Resolution	[Pixel]	1920 x 1080	6
Refresh rate	[Hz]	<b>100</b>	7
3D image	-	Yes	8
Brightness	[nit]	300	9
Native contrast ratio	-	4000 : 1	10
Viewing Angle (Horiz / Vert)	[Degrees]	160 / 160	11
Response Time	[ms]	6.5	12

## Connectivity

HDMI input	-	4	1
MHL input (shared with one HDMI input)	-	0	2
Radio frequency input (RF)	-	1	3
Component / Y Pb (Cb) Pr (Cr)	-	1	4
Audio L/R for component input	-	1	5
S-video input	-	0	6
AV input (Qty / shared )	-	1	7
AV output	-	0	8
USB interface	-	3	9
VGA input	-	1	10
Audio L/R for VGA input	-	1	11
SCART input/output	-	0	12
Optical digital audio output (SPDIF)	-	1	13
Woofers output	-	0	14
Earphone jack	-	1	15
Serial port (RS232 protocol, 0-5V logic levels)	-	1	16

**Networking**

Ethernet RJ45 port	-	Yes	1
Wireless IEEE 802.11 N {Internal, External, No}	-	Internal	2
Wireless adapter support: Brand - Type	-	Dual Band(2.4G/5G)	3
DLNA compliance	-	Yes	4
Internet television (IPTV)	-	No	5
Applications availability - Provider	-	GoogleTV	6
Web browser - Description {Chrome, Firefox, ...}	-	Chrome	7

**Digital TV Reception**

Television standard in VHF band	-	-	1
Television standard in UHF band	-	-	2
AS 4599.1 compliance	-	-	3
AS 4933.1 compliance	-	-	4
AC3 Surround sound decoder	-	-	5
Logical channel number (LCN) and service name support	-	-	6
Teletext / Support signal interruption	-	-	7
Subtitles	-	-	8
RF Signal strength indicator	-	-	9
RF Signal Quality indicator	-	-	10
RF Bit error rate indicator	-	-	11
Electronic programming guide (EPG) 7 days in all sub-channels	-	-	12
Parental rating lock	-	-	13

**Analogue TV Reception**

Colour-Sound systems in VHF band	-	Yes	1
Colour-Sound systems in UHF band	-	Yes	2
Stereo sound decoder {A2, Nicam, ...}	-	Yes	3
Teletext / Support signal interruption	-	Yes	4
Subtitles	-	Yes	5

**Image control**

Backlight control	-	Yes	1
Light sensing	-	No	2
Adaptive backlight	-	Yes	3
Zoom function with: 4:3, 16:1, Auto, Zoom 1, Zoom 2	-	Yes	4
1:1 Pixel mapping	-	Yes	5
Still image	-	Yes	6
Image size adjustment (DTV, HDMI, Component, VGA)	-	Yes	7
Image position adjustment (DTV, HDMI, Component, VGA)	-	Yes	8
PIP/POP	-	No	9
Motion enhancement and compensation (MEMC or MJC)	-	Yes	10

**Sound**

Audio power output per channel	[Watt]	10W	1
Automatic volume level (AVL)	-	Yes	2
Audio equalizer	-	Yes	3
Dolby Digital	-	Yes	4
Audio enhancement -Type {SRS, BBE, SAP, ...}	-	SRS	5
Lip-sync adjustment	-	Yes	6

**Features**

On/off timer	-	Yes	1
No signal power off	-	Yes	2
Sleep timer	-	Yes	3
Child lock	-	Yes	4
Program lock	-	Yes	5
OSD transparency control	-	Pending	6
Software version OSD indication	-	Pending	7
Favourite channels list	-	Yes	8

**Advanced Features**

Personal Video recorder	-	-	1
Time shifting	-	Yes	2
Recording from EPG / Standby	-	-	3
DivX decoder	-	No	4
MPEG4 / H264 decoder	-	Yes	5
Digital media player (DMP) for music, video and photos and text	-	Yes	6
Attached list of DMP formats for audio and video provided [Yes /	-	-	7
Skype	-	No	8
CEC / ARC	-	Pending	9
Remote control via serial port	-	No	10

**Hotel lock**

Password protected Hotel lock submenu	-	Yes	1
Clone function for programs, sound and image settings.	-	Yes	2
Tuning lock	-	Yes	3
Maximum volume lock	-	Yes	4
Power on volume	-	Yes	5
Power on source selection	-	Yes	6
Power on RF channel selection	-	Yes	7
Power on mode (on, standby, last)	-	Yes	8
Inputs access (enable/disable)	-	Yes	9

**Hardware**

Processor	-	Contex CA9/Dural Core 1.2GHz	1
Dual Tuner	-	No	2
Speakers mounted in a box	-	Yes	3
Woofer	-	No	4
Mains power switch	-	Yes	5
Swivel base	-	No	6
Compact packaging	-	Yes	7
Supply 220~260VAC 50/60Hz	-	220~240	8
Standby consumption	[Watt]	<1W	9
VESA wall mount dimensions (Horiz / Vert)	[mm]	400×400	10
VESA wall mount, screw type (length, thread)	[mm]	M6×30	11
Maximum time delay Power On to sound an image	[sec]	20	12

**Accessories**

Remote controller (Technology / Part number)	-	RF/ERF6A31	1
Battery (size / quantity)	[Qty]	AAA/2	2
Power cord	[Qty]	1	3
Cable tie	[Qty]	1	4
User manual / Quick setup guide	[Qty / Qty]	1/1	5
Skype camera (Qty / Part number)	[Qty / -]	-	6
3D glasses Type [Passive / Shutter] / Link [RF / IR]	[Qty]	Shutter/IR	7
3D glasses Type (Qty / Part number)	[Qty]	2/3D08	8

**Dimensions**

Dimensions with stand (W x H x D)	[mm]	1235.4×763.8×258.4	1
Dimensions without stand (W x H x D)	[mm]	1235.4×714.1×61.8	2
Carton box dimensions (W x H x D)	[mm]	1364×158×850	3
Net weight (with stand / without stand)	[kg]	21.3KG/20.9KG	4
Gross weight	[kg]	26.7KG	5
Container load (20ft / 40ft / 40ft HC)	[Qty]	122\248\372	6

**Licencing and Certification**

EMC- Electromagnetic Compatibility	-	Yes	1
CB- Electrical safety	-	Yes	2
HDMI	-	No	3
Dolby Digital	-	No	4
MEPS- Test report	-	Yes	5
ROHS	-	No	6
Other	-		7

**Documentation required before purchase order**

Panel specifications	-	Yes	1
Initial specifications (input form)	-	Yes	2
Final product specifications	-	Yes	3

**Documentation required before mass production**

CB report and certificate	-	Yes	1
EMC report and certificate	-	Yes	2
Power cord, plug and connector Australian safety approval	-	Yes	3