



55" IP Touch LED TV

IP Touch Series



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General Specifications

Items	Specifications
Model	T55 LED
Technology	Infrared Sensing
Display Area	1209.6(H) × 680.4(V)mm
Outline Dimension	1287(H) × 745(V)×115(D)mm
Built-in PC (Optional)	I3/2G/500G



Product Specifications

Specifications of Touchable LED TV Control Board

Chip Set	MST6M48RHS		
OSD Language	Chinese, English		
Screen	Panel Type	LED, PDP	
	Interface	Dual/ Single LVDS Interface (Max: 10 bit)	
	Max Resolution	1920 X 1080	
Video Input	TV	Recepting Range	55.25MHz ~ 863.25MHz
		Input Impedance	75Ω
		Video System	PAL/SECAM/NTSC
		Audio System	B/G, D/K, I, M
		Max Storage Channels	200CH
	PC-RGB	Format	Up to SXGA@75Hz
	HDMI	480i, 480p, 57i, 576p, 720p, 1080i, 1080p	
	YPbPr	480i, 480p, 57i, 576p, 720p, 1080i, 1080p	
	S-Video	S-Y: 0.714 V _{p,p} ±5%, S-C: 0.286 V _{p,p} ±5%	
	CVBS	Video System	PAL/SECAM/NTSC
		Video Signal Magnitude	1.0 V _{p,p} ±5%
Audio Input	PC Audio	Earphone Input	0.2~2.0 V _{RMS}
	S-Video	Left/ Right Channel Audio Terminal Input	0.2~2.0 V _{RMS}
	CVBS		
	YPbPr		
Audio Output	Frequency Response	100Hz~15KHz@±3dB(1KHz, 0dB for Reference Signal)	
	Max Output Power	2 X 9W (8ΩTHD + N < 10% @ 1KHz (Supply Power Voltage: 24V, Audio Input: 0.5 V _{RMS}))	
Power	Input Voltage	24V/12V/5V/5VSB	
	Flooding Screen Voltage	5V,12V	
	Power Management	Stand-by Power Consumption < 0.5W (Board Only)	
Comb Filtering Function	3D		



Product Specifications

Release Interleave Function	3D
Weak Signal Enhanced Function	Yes
De-noise Function	Yes
Extended Function	DVD, External USB, External HDMI, External AV Input
USB Function	For Multimedia Play and Software Upgrade

Key Function	Menu, Ch+, Ch-, Vol-, Vol+, Signal Source, Power		
Terminals	Input	TV	1 IEC Connector
		USB	1 USB Port (A Type)
		HDMI	2 HDMI Terminal (A Type)
		PC-RGB	1 D-Sub Terminal(Blue, 15Pin)
		PC-RGB Audio	1 Earphone Terminal (Black)
		YPbPr	2 X 3 RCA Terminal (Green, Blue, Red)
		YPbPr1	1 RCA Terminal (Red, White)
		S-Video	1 S-Video Terminal (Black)
		CVBS	1 RCA Terminal (Yellow)
		YPbPr2	2 RCA Terminal (Red, White)
		S-Video	
		CVBS	
	Output	AV CVBS Output	1 RCA Terminal (Yellow)
		AV Audio Output	2 RCA Terminal (Red, White)
		Earphone Output	1 (Black)
		Coaxial Output (Optional)	1 RCA Terminal (Orange)

TFT-LED Screen Specification

Items	Specification
Driver	a-Si TFT active matrix
Display colors	1073.7M (8-bit +FRC) (Colors)
Color Gamut	72% (NTSC)
Number of Pixels	1920×1080 pixel



Product Specifications

Pixel Arrangement	RGB Vertical Stripe
Pixel Pitch	0.744mm
Display Mode	Transmissive, Normally Black
Surface Treatment	HCLR, 3H
Total Power Consumption	220W (including BLU & Signal)
Life Time	30,000 hours
RoHS	RoHS Compliance

Specifications of Infrared Touch Overlay

Items	Specifications
Technology	Infrared sensing
Interpolation Resolution	32768×32768
Response Time	<16ms
Touch Accuracy	±2 in the 90% touch area
Touch Method	Finger, touch pen or any other opaque objects
Data Communication	Coordinate Output
Touch Times	Unlimited
Minimum Discernible Object	5 mm
Interface Type	USB
ESD Performance	Contact discharge 4 KV, air discharge 8 KV
Power Supply	USB
Voltage	DC+5V±5%
Current	<100mA
Light Resistance	Resist strong light from various angles
USB Connector Test	Different operating system continuous plug 2000 times
Glass	Thickness T=4.0mm, White glass full toughened glass
High-temperature Working	40℃,85% Continuous work 24 hours
High and Low Temperature Circulation Working	40℃,48 hours continuous, again -10℃ continuous working 24 hours

