



70" IP Touch LED TV

IP Touch Series



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General Specifications

Items	Specifications
Model	T70 LED
Technology	Optical Sensing/Infrared Sensing
Display Area	1538.88(H) × 865.62(V)mm
Outline Dimension	1660(H) × 991(V) × 125(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 x 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 Optical Touch Overlay

Items		Specification
Technology		Optical Sensing
Active Touch Area		The same as active display area
Frame Material		Aluminum Alloy and Kirksite
Appearance Color		Black
Glass Type		Tempered Glass
Response Time		< 10 ms
Touch Resolution		32768 (W) x 32768 (D)
Data Communication		Coordinate Output
Minimum Discernible Object		5 mm
Touch Accuracy		± 2 in the 90% touch area
Touch Method		Finger, brush-pencil, pointer or any other touching induction medium.
Touch Times		Unlimited
Interface Type		USB
USB Line Length		Normally 1.5 meter long
USB	Terminal Type	A type USB
	Communication Interface	Full speed USB 2.0
	Power Supply	USB
Temperature Range	Operating Temperature	-10℃~70℃
	Storage Temperature	-40℃~85℃



Product Specifications

Relative Humidity	Operating Humidity	0~85% RH, Non-condensing
	Storage Humidity	0~95% RH, Non-condensing
Power		< 1W
Current		< 200mA
Antistatic		ESD: touch discharge 8kV, air discharge 15kV
Touch Type		Single touch /Multi-touch gesture recognition / 2-point touch
Operating System		Windows XP/ Windows 7
Firmware Upgrade Function		Support USB upgrade

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

