Interactive Flat Panel Displays

IFD86TH650B/3



Key Features



Different Sizes for various classrooms

Available in a variety of large screen sizes, the IFD range gives customers the options to choose exactly what they need for their room size.



Wireless Presentation

Teachers, students or any user can share their screen efficiently and conveniently in the classroom or meeting room via EShare application. This application can connect any operating system and show up to 4 different screen at the same time.



Ease of use with Android

Android gives teachers one touch access for lessons and collaboration tools including whiteboard, web browser, apps library, and native wireless screen sharing.



Palm Erase

Automatic palm erasing function allows teachers and students to simplify the white board experience with smooth writing and erasing.

Panel

Screen Size	86"	Panel Technology	IPS
Backlight Type	Edge-Type LED	Brightness (typical)	400 cd/m²
Native Resolution	UHD: 3840 x 2160 - HDR10	Contrast Ratio (typical)	1200:1
Dynamic Contrast Ratio	50000:1	Panel Life Time (Min.)	30000 Hrs
Response Time (typical)	8 ms	Active Area (H x V)	1907 x 1076 mm
Pixel Pitch (H x V)	0.4935 x 0.4935 mm	PPI (pixel per inch)	52
Viewing Angle	178° Vert., 178° Hor. (89U/89D/89L/89R) @ CR>10	Color Value	1.07 B (10-bit)
Screen Treatment	2H	Haze Level	8%
Refresh Rate	120 Hz	Front Type	Black Touch Bezel Type
Orientation	Horizontal	Operation Hours	16/7
Area of Usage	Indoor		

Built-in System

Mainboard Model	17MB135VS

Monitor Connectivity

RGB Input	VGA(DE-15F)	RGB Output	N/A
Video Input	3xHDMI2.0, 2xUSB2.0, USB2.0(Internal), 1xMicroSD	Video Output	HDMI2.0
Audio Input	Line In L/R	Audio Output	Headphone, Optic SPDIF
External Control	RS232(DE-9F), 2*Ethernet(RJ45), Service(RJ12)	External Sensor	RJ12

Touch Interactivity

Type of Touch Technology	Infrared (IR) Technology	Continuous Touch Points	10 Points
Sensitivity	Any touch with finger, gloved hand or pointer	Connectivity	HID, TUIO, Flash
Compatibility	Windows®7,Windows®8, Windows®10, Vista, XP, Mac® OS, Linux, Android	Orientation	Landscape support
Calibration	No need	Accuracy	%90
Reporting Rate	Up to 450 fps	Glass Type	Anti Glared (AG), 4mm Tempered
Frame Rate	up to 450 fps	Communication	USB 2.0
Power Supply Mode	USB	Supply Voltage	DC 5V +/- 5%
Average Current	400mA	Response Time	10ms
Touch Accuracy	+/-2mm (over 90% area)	Touch Durability	Unlimited
HID Compatibility	Yes USB	Object Sizes for Touch	5mm

Mechanical

Product Dimensions (WxDxH)	1975 x 103 x 1146 mm	Package Dimensions (WxDxH)	2163 x 318 x 1405 mm
Product Weight	90.5 kg	Package Weight	110.6 kg
Vesa Mounting	600 x 400 mm	Bezel Width	B:38| T:38	L/R:38 mm

Environmental Conditions

Operating Temperature	+40°C / 0°C	Operating Humidity	90%

Power

Power Supply	110 VAC - 240 VAC

Power Consumption

Typical	280W	Maximum	400 W
Deep Standby	≤0.5W		

Features

Main Features	USB-Autoplay, Auto-switch on Failover, Control Button Lock, HDMI Wake-Up	Mechanical Features	IR Touch, Joystick, IR Extender Support, Rocker Switch, Detachable power cable, Carrying handles, Detachable logo positioning, Cable Holders
Optional Features	OPS Compliance	Speaker	2 x 12 W

Accessory

Standard	QSG, IB, Power Cord, Remote Control Unit, RC Battery, Mounting Kit, Extension Brackets, IR Extender Cable

Certification

Safety	YES	EMC	YES
CE	YES	Reability Approval	YES

Assured Systems

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