



KEYTEC, INC. - *A global leader of innovative touch interactive solutions since 1987*

Design – Manufacture – Integrate – Market – Distribute – Support – Service

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Add-on Magic Touch Screen: This award-winning product can instantly convert your standard monitor or notebook computer into a touch-interactive device. Standard models are available for 13 to 21" LCD/CRT, and 12-15.4" notebooks. Custom sizes are available. <http://www.magictouch.com/addon.html>



Integrated Magic Touch Monitor: This complete touch solution is offered by integrating the Magic Touch built-in kits into monitors of the highest quality, with excellent workmanship and extended burn-in testing. Standard models are available from 6.4 to 21" LCD, 17 and 19" CRT for both desktop & open frame models. Custom and OEM integrations are available. <http://www.magictouch.com/monitor.html>



Built-In Magic Touch Screen: The built-in touch screen kits are designed for system integrators and OEM manufacturers who integrate touch screens into their own systems. Standard models are available for 3.9" to 19" LCD and 15" to 21" flat CRT displays. Custom designs are welcome. <http://www.magictouch.com/builtin.html>

Large Size Touch-Interactive Products Selection:

OPTIR Touch - Resizable IR Optical Touch Screen: This innovative touch screen can be made up to 70" x 70" active area with IR-sensor segments. Those segments can be disconnected and rearranged to form different size and aspect ratio. The integrators and VAR's can purchase the components only to save shipping costs. We also provide full assembly service with custom frames. http://www.magictouch.com/IR_screen.html



Fixed Size IR Touch Screen: At lower costs, the IR touch screens are also available as ready made with aluminum frame for standard sizes like 32", 42", 46", 47", 52" and 65". These non-resizable IR components are also available for integrators and VAR's who want to do their own custom assembly. http://www.magictouch.com/IR_screen_NR.html

Large Size Magic Touch Screen: The large-size resistive touch screens are available in both standard and custom sizes ranging from 27" to 80", and can be ordered as built-in type for internal integration, or add-on type for external mounting. Standard and custom mounting frames are also available. http://www.magictouch.com/large_resistive_touch.html



One-Size-Fits-All Interactive solution for large projection screens:

View Touch – touch by laser: The light spot of a laser pointer is monitored by a PC interfaced digital light sensor to control all the mouse functions. This unique invention breaks the boundary of size limitation for touch-interactive applications. It is the most economical device for creating a user-friendly interactive large screen for presentations, education, gaming, etc. Web Page: <http://www.magictouch.com/ViewTouch.html>



Vertical Integration Services: More than a product supplier, KEYTEC is your solution provider.



Plastics molding

Rubber keypads

Membrane switches

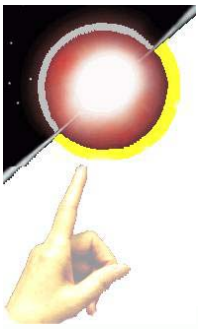
Display solutions

Manufacturing

Kiosk integration

Applications

Patented Technology - CES Design Innovation Award - Texas Top 100 Hi-Tech - CE RoHS FCC Certified



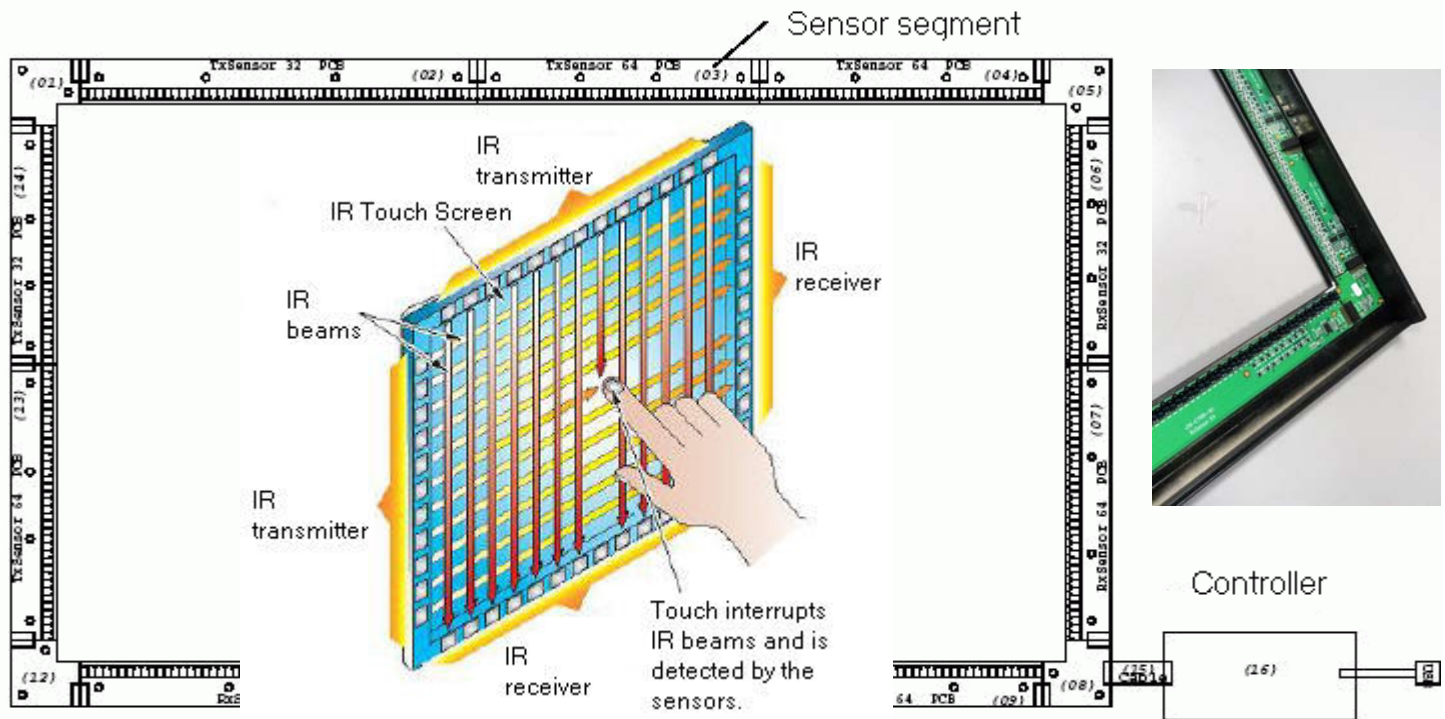
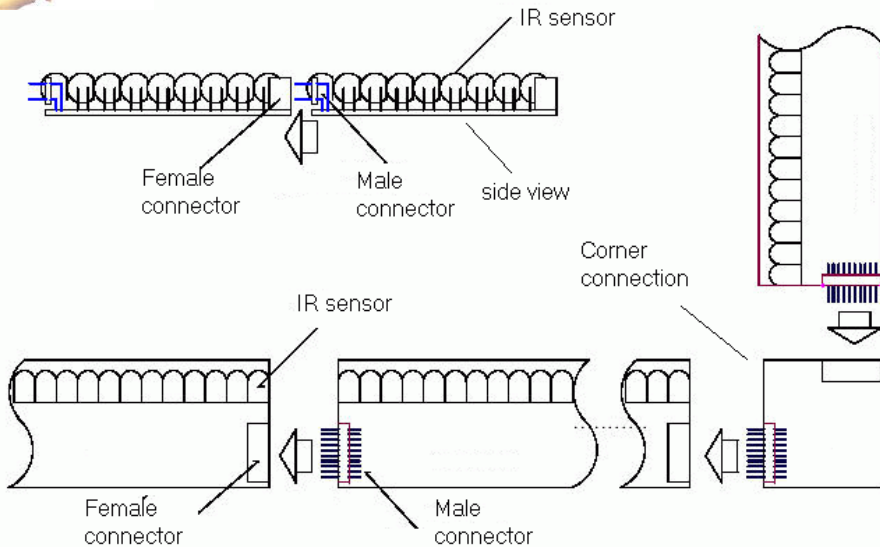
OPTIR Touch - Resizable Infrared Optical Touch Screen – A new KEYTEC innovation.

Making your own touch screen is as easy as playing with children’s building blocks.

The innovative modular design of the OPTIR Touch enables you to build a touch screen to practically any size, or aspect ratio, between 5”x5” and 70”x70.” When your monitor size changes, simply increase or decrease the number of segments to adjust the size. You may order the OPTIR Touch components only to significantly reduce the freight charges! We can also supply fully assembled OPTIR Touch on a custom frame that fits onto your display or projection screen. The OPTIR Touch offers the highest durability and clarity; it interfaces via the USB port and is compatible with Windows 2000, XP, Vista, Linux and Mac.

The IR touch screen consists of matched pairs of standard-length horizontal and vertical transmitter and receiver boards, corner circuit boards and a USB controller. With known dimensions of the active area, we can calculate how many boards are needed to create the IR screen.

All the component boards can be connected, and disconnected, without needing special tools. The assembled components are then ready to be mounted to a frame. A piece of clear plastic or glass sheet may be added to protect the display. The assembled IR screen frame will be mounted in front of your display, video wall, or projection screen. We also provide full assembly services.





Currently available components are:

IRT-A	Transmitter 130.8 mm	IRCC	Connection corner	Example: 42” IR screen assembly needs:	
IRR-A	Receiver 130.8 mm	IRSC	Corner to controller		
IRT-B	Transmitter 348.8 mm	IR-CB	USB controller		
IRR-B	Receiver 348.8 mm				
				Horizontal	2 IRT-A, 2 IRR-A, 2 IRT-B, 2 IRR-B.
				Vertical	4 IRT-A, 4 IRR-A.
				Plus 3 IRCC, 1 IRSC and 1 IR-CB	

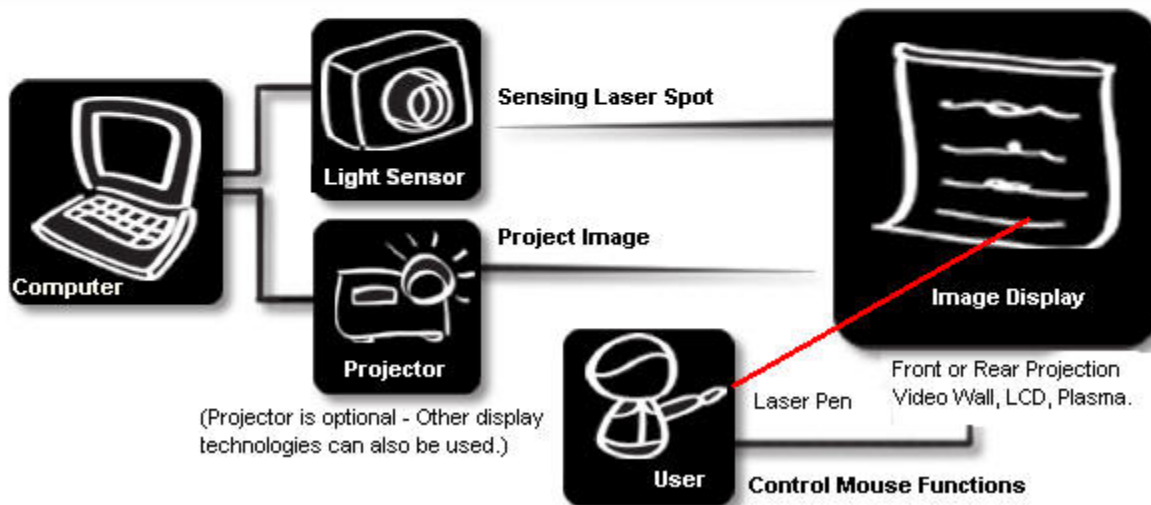
The assembled 42” touch screen of the above example has 959.2 x 523.2 mm active area, 1055.2 x 619.2 mm outside area with 1400 x 760 touch resolution. If assembled with custom wooden frame, the frame size is 1060.8 x 624.8 mm.

Fixed size IR Touch Screen: At lower costs, the IR touch screens are also available as ready made with aluminum frame for standard sizes like 32”, 42”, 46”, 47”, 52” and 65”. These non-resizable IR components are also available for integrators and VAR’s who want to do their own custom assembly.

Partial list of KEYTEC'S Touch Screen products:

Large-Size Add-On Touch Screen – Fixed size IR type (16:9)				Add-On Touch Screen – Resistive type			
Part No.	Size	Active Area	Frame Size	Models for desktop monitors (4:3 ratio) – black & beige colors			
KTIR-032A	32"	702 x 400.4	776 x 474.4	Part No.	Description	Active Area	
KTIR-042A	42"	930.8 x 525.2	1004.8 x 599.2	KTMT-1315	For 13-15" LCD & CRT	304.8 x 228.6	
KTIR-046A	46"	1024.4 x 577.2	1098.4 x 651.2	KTMT-1700	For 17" LCD & CRT	343 x 273	
KTIR-047A	47"	1040 x 587.6	1114 x 661.6	KTMT-1900	For 19" LCD & CRT	382 x 305	
KTIR-052A	52"	1154.4 x 650	1228.4 x 724	KTMT-1921	For 20-21" LCD & CRT	431.8 x 330.2	
KTIR-065A	65"	1430 x 806	1504 x 880	Models for widescreen monitors – black color			
Open Frame LCD integrated with IR touch screen (16:9)				KTMT-1700W	For 17" widescreen LCD	382 x 250	
KTLC-32OT-IR	32"	1366 x 768	776 x 474.4	KTMT-1900W	For 19" widescreen LCD	425 x 276	
KTLC-42OT-IR	42"	1366 x 768	1004.8 x 599.2	Models for notebook computers (4:3 ratio) – black color			
Resizable OPTIR Touch available up to 1788 x 1788 mm.				KTMT-1214	For 12-14" notebook	285.8 x 215.9	
Large-Size Add-On Touch Screen – Resistive type (16:9)				KTMT-1500	For 15" notebook	304.8 x 235	
Part No.	Size	Active Area	Frame Size	Models for widescreen notebook computers – black color			
KTMT-032A-LRE	32"	703 x 397	778 x 472	KTMT-154W	For 15.4" notebook	333.5 x 209.6	
KTMT-040A-LRE	40"	890 x 503	956 x 569	Integrated Touch Monitor – Resistive type			
KTMT-042A-LRE	42"	938 x 530	1004 x 596	Desktop LCD Models			
KTMT-046A-LRE	46"	1023 x 578	1089 x 644	Part No.	Size	Resolution	VESA Mount
Large-Size Integrated Touch Monitor – Resistive type (16:9)				KTLC-12W	12"	1024 x 768	75 x 75 mm
Desktop LCD Models				KTLC-15T4	15"	1024 x 768	75 x 75 mm
Part No.	Size	Resolution	VESA Mount	KTLC-17NA1	17"	1280 x 1024	100 x 100 mm
KTLC-32N	32"	1366 x 768	200 x 200 mm	KTLC-19NA1	19"	1280 x 1024	100 x 100 mm
KTLC-40N	40"	1366 x 768	200 x 200 mm	KTLC-21NB	21"	1600 x 1200	100 x 100 mm
KTLC-46N	46"	1366 x 768	200 x 200 mm	Widescreen Model			
Open Frame LCD Models				KTLC-17WW	17"	1440 x 900	75 x 75 mm
KTLC-26OT	26"	1366 x 768	None	KTLC-19WNA	19"	1440 x 900	100 x 100 mm
KTLC-32OT	32"	1366 x 768	None	Open Frame LCD Models – Resistive type			
KTLC-37OT	37"	1366 x 768	None	KTLC-064OT	6.4"	640 x 480	None
KTLC-42OT	42"	1920 x 1080	None	KTLC-104OT	10.4"	800 x 600	None
Built-In Touch Screen for Integration – Resistive type				KTLC-121OT	12.1"	800 x 600	None
Models for desktop and open frame LCD monitors				KTLC-151OT	15.1"	1024 x 768	None
Part No.	Size	Active Area	Outside Size	KTLC-170OT	17"	1280 x 1024	None
KTT-064LAM	6.4"	129.5 x 97.5	155.6 x 115.3	KTLC-191OT	19.1"	1280 x 1024	None
KTT-084LAM	8.4"	170 x 128	194 x 144	Desktop CRT Models – Resistive type			
KTT-104LAM	10.4"	212 x 159	233 x 180	KTSC-17V/B	17"	1280 x 1024	None
KTT-120LAM	12"	248.9 x 187.4	271.3 x 205.4	KTSC-19V/B	19"	1600 x 1200	None
KTT-151LAM	15.1"	303 x 227	328 x 253	All above resistive types are 4-wire analog.			
KTT-170LAM	17"	335 x 268	360 x 293	Custom size and custom integration are available.			
KTT-191LAM	19.1"	375 x 300	400 x 325	Resistive matrix type is available for custom design only.			
Widescreen Model				Controller Selection:			
KTT-170W-LAK	17"	367 x 230	390 x 254				
KTT-191W-LAK	19"	408 x 254	432 x 278				
Models for desktop CRT monitors							
KTT-017CAF1	17"	323 x 240	349.3 x 266.7				
KTT-019CAF1	19"	363 x 272	387.4 x 304.8				
KTT-021CAF1	21"	401 x 301	431.8 x 330.2				
1. For IR type, add –USB behind the part number for USB controller with drivers for Windows and Linux.							
2. For IR type, add –USB-M behind the part number for USB controller with Mac driver.							
3. For all resistive types, add –USB behind the part number for USB controller with drivers for Windows and Linux.							
4. For all resistive types, add –USB-M behind the part number for USB controller with driver for Mac.							
5. For all resistive types, add –ProE behind the part number for serial controller with drivers for Windows and Linux.							
Built-In Touch Screen for Integration – 5-wire Resistive type				Built-In Touch Screen for Integration – Capacitive type			
Models for desktop and open frame LCD monitors				Models for desktop and open frame LCD monitors			
Part No.	Size	Active Area	Outside Size	Part No.	Size	Active Area	Outside Size
KTT-064LAH	6.4"	130.8 x 98	150 x 115.5	KTT-084LCH	8.4"	170.4 x 127.8	185 x 145
KTT-084LAH	8.4"	171.4 x 128.8	186.9 x 142.3	KTT-106LCH	10.6"	213.9 x 163.9	233.6 x 180.3
KTT-104LAH	10.4"	211.6 x 158.8	228.7 x 173.4	KTT-120LCH	12"	249.5 x 188	272.2 x 205.7
KTT-120LAH	12"	246.8 x 185.5	261.8 x 199.8	KTT-151LCH	15.1"	309 x 235	330.2 x 254
KTT-151LAH	15.1"	303.5 x 227.5	322 x 245.5	KTT-170LCH	17"	340 x 272.4	366 x 290.8
KTT-170LAH	17"	337 x 269.5	356 x 286.5	KTT-192LCH	19.2"	376.3 x 301.1	402 x 325
KTT-191LAH	19.1"	377.3 x 302.1	393.4 x 316.7	KTT-201LCH	20.1"	408 x 306	429.4 x 305.6
KTT-201LAH	20.1"	409 x 307	430.5 x 330.5				
KTT-213LAH	21.3"	432 x 324	454 x 344	For capacitive type, add –USBC to include a USB controller.			
Widescreen Model							
Part No.	Size	Active Area	Outside Size				
KTT-154W-LAH	15.4"	331 x 207	345 x 224				
KTT-170W-LAH	17"	367.2 x 229.5	382.2 x 246.8				
KTT-190W-LAH	19"	411.2 x 257.3	426.6 x 272.1				
KTT-22W-LAH	22"	473.8 x 296.1	493.7 x 320.1	For 5-wire resistive type, add –USB5 to include a USB controller.			

View Touch - Another new KEYTEC innovation. This unique invention breaks the boundary of size limitation for touch-interactive applications. It is indeed one-size-fits-all, and thus provides the most economical way of creating a user-friendly interactive device for large-screen displays, such as front & rear projection, video wall, LCD, PDP, etc.



A Laser-Controlled Interactive Technology

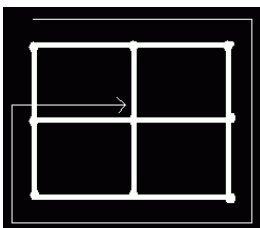
- Control ALL mouse functions by a laser pointer.
- Perform Pointing, Clicking, Dragging, Writing, Drawing ...
- An economical, yet very powerful interactive device for ANY size of computer screen.
- Suitable for projection screen, video wall, flat panel displays, etc.
- No wire. No radio frequency. No need to stay in front of your screen, or computer. No shadow on the screen.
- An ideal tool for presentation, conferencing, education, gaming ...and more.



The View Touch includes:

A **digital sensor** is connected to a computer through USB port, and set up to monitor the computer's image displayed on a projection screen, a video wall, or a flat panel display. The sensor can be mounted on a tripod (included), clipped on a notebook, or mounted on the ceiling. The sensor can be mounted upside down, within 15 degrees of the center point of the display screen.

An intelligent **calibration program** projects a grid on the screen and a snap shot is taken by the digital sensor, so the user can use a mouse to click on each joint point (total 9 points) in clockwise orientation to complete and store the calibration data. Recalibration is only needed when the device or the display screen has been moved.



A **laser pointer** with dual intensity for aiming and activating the mouse functions - clicking and dragging. The low-intensity button (yellow) acts as a guiding light for user to aim. The

high-intensity button (red) activates the left mouse click. Cover both buttons by user's thumb with yellow button pressed down for aiming. Press the red button to click and hold down the red button to drag. A tip switch on the laser pointer allows the user to touch the screen directly to control the mouse functions. A pair of extension rods is also included.

An **annotation program** can be used to mark, draw, write, save the screen shots, and operate PowerPoint slide shows. Other Windows utilities can also be used, such as handwriting recognition, on-screen keyboard, PowerPoint controls, etc.



Min. System Requirements: P-III 850MHz CPU, 128Mb RAM, USB Port. **Operating Systems:** Windows 98, 2000, XP, Vista. FCC and CE approved, Patent Pending. **Web Page:** <http://www.magictouch.com/ViewTouch.html>