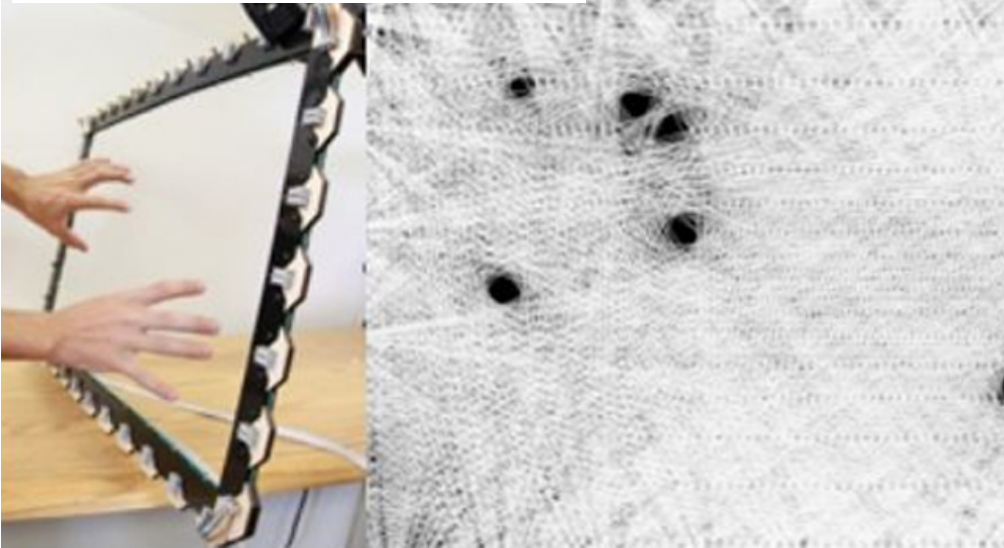


TOP STORIES

LATEST STORIES

FRIDAY, DEC 23, 2011



SENSORS

# The Touchscreen With No Screen

Can you touch what's not there? That's what some students have explored in this ZeroTouch project, which has dozens of infrared sensors and LEDs around what appears to be an empty photo-frame. Connected to a computer, it translates the gestures.

Depending on how the ZeroTouch is used, it can be used for different things—as a drawing board when flat on a table; as a canvas when hanging in the air, and if it's rested against a computer monitor, it can be used as a touchscreen for controlling programs. The only kink they haven't ironed out yet is how to zoom in and out, when no pinching is involved.

The Texan students who worked on the ZeroTouch prototype believe it could help sufferers of muscle fatigue, as no pressure is needed to interact with the frame. That may be true, but how many times have your arms ached after waving them around for the Kinect or Wii? [PhysOrg]

BY KAT HANNAFORD

MAY 12, 2011 9:38 AM

Share

Like

37

18,947

32

GET OUR TOP STORIES  
FOLLOW GIZMODO

Like

321,942 people like this.

Contact Kat Hannaford:

EMAIL THE AUTHOR

COMMENT

RELATED STORIES

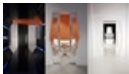
- DSLR Sensor Size and Crop Factor: Why You Should Give a Damn
- Scientists Can Make Bomb Detectors with Inkjet Printers



**CHRISTMAS**  
How to Scientifically Explain Santa Claus to Your Children



**PHOTOGRAPHY**  
Now This Is How You Take a Family Christmas Card Picture



**ARCHITECTURE**  
What's It Like Working Inside a Spaceship?



**SOPA**  
Brave GoDaddy CEO Says He's Neither For Nor Against SOPA



**CARRIERS**  
That Unbelievable \$19 Unlimited Data/Voice/Text Plan Is Truly Unlimited



**IMAGE CACHE**  
Insanely Detailed Book Sculptures Should Be Featured In National Geographic



**DEALZMODO**  
The Humble Indie Bundle 4 Is Your Lazy Last-Minute-Gift Deal of the Day



**USER MANUAL**  
What To Do With Your Unwanted Christmas Crap



**BRAVO**  
What's Louis CK Doing With the Million Dollars You Just Gave Him?



**AEROSPACE**  
That Space Ball In Namibia Is *Not* a Mysterious Alien Object

■ [Arduino-Powered Ambilight Sensor Soothes Backlight Bleed, Looks Stunning](#) [LIFEHACKER](#)

DISCUSSION THREADS

FEATUREDALLSTART A NEW THREAD


Puns-n-Roses12 May 2011 9:44 AM

"The Texan students who worked on the ZeroTouch prototype believe it could help sufferers of muscle fatigue..."


Yeah, yeah, yeah--WHERE IS THE MINORITY REPORT USER INTERFACE? That's what we're all waiting for, more or less.

We. Are. So. Close.

Edited by Puns-n-Roses at 05/12/11 9:44 AM

Hearthatvoiceagain is spreading the good news about Google+  
@Puns-n-Roses

The minority report interface is so overrated. Sure its good for helping you locate people who are about to commit crimes before they do so, but its a bitch to type e-mail on.

truenorthstrongandfr... @Puns-n-Roses

Totally. [www.youtube.com]























**GIFT GUIDE**  
Gizmodo's Ultimate Gift Guide for Last Minute Shoppers




**APP DEALS OF THE DAY**  
Sketch a Masterpiece, Manage your Passwords, and Relive Charlie Brown's Christmas



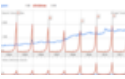
**CONSPIRACIES**  
EVERYTHING ON THE DOLLAR BILL IS A CONSPIRACY




**GAMES**  
Proof That You'll Click Anything Called a Game




**SOPA**  
December 29th Is Leave GoDaddy Day



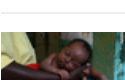
**CHRISTMAS**  
Will Christmas Defeat Porn This Year?




**ART**  
Blurred Sculptures Are Hurting my Brain



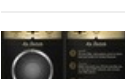
**SOPA**  
GoDaddy Changes Its Mind on Supporting That Evil SOPA Legislation



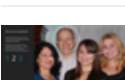
**HEALTH**  
What Is the Mysterious Nodding Disease Spreading Across Uganda?




**WEB HOSTING**  
How to Jump Ship from GoDaddy to a Better Web Host and Registrar




**IPHONE APPS**  
Use Siri on Your Mac (Sort Of)




**SECURITY**  
Windows 8's Picture Password Is Just a Toy, Says Security Expert



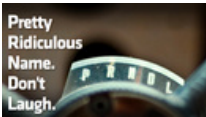
**BLACKBERRY**  
Volkswagen Is Forcing Employees to Turn Off Their BlackBerrys So They'll Stop Working All the Time



**IMAGE CACHE**  
X-Ray X-Mas Tree Is X-tra Neat



**XEROX PARC**  
Why You'll Be Hearing from Xerox PARC a Whole Lot More



**SPONSORED** DEC 22, 2011  
Sony Internet TV Multitasks  
Perfectly with Picture-in-picture



**WATCH THIS**  
I Feel Panic Just Watching These  
Suicidal Mountain Bikers Go