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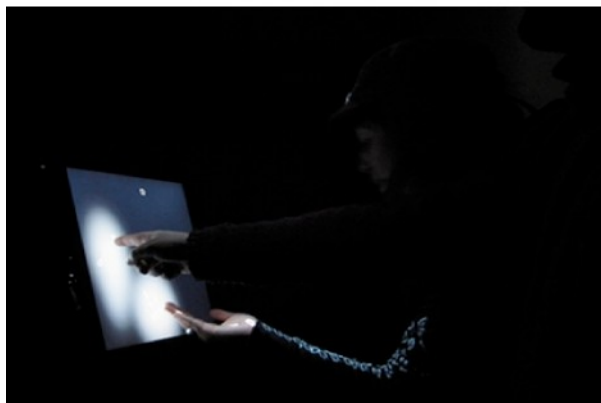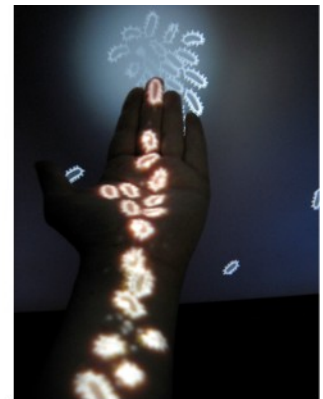
Delicate Boundaries
Interactive Installation, 2007

Inside a computer screen, a world of organic forms wriggle and flock. When their screen is touched, these small bugs made of light swarm towards the point of contact, and crawl out onto the human bodies that make contact with them. They appear to emerge from the screen, often surprising their audience as they try to abandon a virtual existence. The magic of this illusion takes shape as the audience lets them explore their bodies, crawling from on person to the next in a strangely intimate way. The system explores the subtle boundaries that exist between digital and physical spaces, and wonders if interactivity and illusion can blur those lines.

Equipment List:

#	Item	Notes
1	Mac Mini	Minimum Requirements: OSX Lion Nvidia graphics processor Processor: 2.66+ GHz Peripherals: keyboard, mouse, power
1	Mac Mini-Display Port to VGA	
1	HDMI Cable	This will run from Mac to LCD
1	Projector	VGA input, (4:3) 1024x768 resolution, key-stoning + mirroring. Lens throw depends on the ceiling or height limitations of the venue.
1	32-26inch Screen	32 – 36 inch, HDMI input, black frame, can be led, lcd, plasma
1	VGA Cable	Must be long enough to run between projector and mac mini
1	Dark Mat	
1	Audio System	2 Small Speakers, Mini-Jack Connection. Note that the speakers on the lcd can be used instead if good quality.

The following items may be available to be provided by the artist. This must be agreed upon by both parties and some items may not be available.

#	Item	Notes
1	Firewire Repeater	https://www.1394store.com/eshop/product.asp?dept_id=61&pf_id=1610
1	Unibrain B/W Board Camera	https://www.1394store.com/eshop/product.asp?dept_id=55&pf_id=2050
1	4.3mm Lens (no IR Coating)	https://www.1394store.com/eshop/product.asp?pf_id=2046&dept_id=56
1	Firewire Cable 3m 6p to 9p	
1	Firewire Cable 4.5m 6p	
1	Casing for Camera	https://www.1394store.com/eshop/product.asp?dept_id=551&pf_id=2051
1	Camera Mount	https://www.1394store.com/eshop/product.asp?pf_id=2058&dept_id=551
2	IR Illuminators	http://www.pinecomputer.com/ilinledilpa.html
	Kodak Wratten Filter	http://www.edmundoptics.com/optics/optical-filters/color-dichroic-filters/kodak-wratten-filters/1326

The following items are needed during the installation only and will not be need throughout the exhibition period.

#	Item	Notes
1	PC Monitor	Setup only
1	Wireless Mouse	Setup only
1	Internet Connection	Setup only
1	Table and chair	Setup only
1	Technician	In-house technician that will be responsible for mounting the projector, screen, camera etc. in the venue.

Installation Description

The main elements of the installation include a projector that must be mounted above so it illuminates the floor (vertically mounted or using a mirror); an lcd screen below mounted to the wall (if it cannot be mounted to a wall, a pedestal should be constructed to the artist's specification) ; a camera mounted above the screen in front of the projector (centered above the space in front of the screen); near infrared illuminators mounted above with the projector. The image on the screen and the projector are different (uses extended desktop) so two outputs are needed (older mac mini's will not work as they have only one display output for example). The floor should be dark or covered with a dark carpet for optimal tracking. The work should be installed in a space without sunlight or drastically changing lighting conditions. It does not need complete darkness, but dim lighting is important for the projections.

Mini-display port to VGA

HDMI

firewire

Mini-Jack

projector

camera

lcd screen

80 cm

150 cm