Interactive Lightfloor

fully interactive, pressure-sensitive floor tiles

Interactive Lightfloor is a revolutionary new concept in interactive architecture, and a completely new medium for communicating your ideas. With Interactive Lightfloor you can deliver high-impact visuals and memorable interactive experiences for your venue or exhibition.

Interactive Lightfloor is the product of leading-edge research at one of the world's foremost institutes of technology, and has been proven over thousands of hours of real-world testing. It was a key component of the *Ada: intelligent space* exhibit at the Swiss national exhibition Expo.02, which entertained over 500,000 visitors with outstanding results.

Input	Pressure sensors
Output	24-bit RGB color
Update rate	50 Hz
Hardware	Modular & portable tiles: aluminium frame, safety glass top, on-board controller
Control PC	Pentium™ 4 (1 per installation)
Software	Drivers, diagnostic tools, customizable interactive effects, interactive games with sound effects

Contact

Institute of Neuroinformatics
University/ETH Zurich
Winterthurerstrasse 190
CH-8057 Zurich
Switzerland

Tel: +41 44 630 30 51
Fax: +41 44 630 30 53
info@ini.phys.ethz.ch
www.ini.ethz.ch
www.ada-exhibition.ch

Westiform AG
Freiburgstrasse 596
CH-3172 Niederwangen
Switzerland

Tel: +41 31 980 22 22
Fax: +41 31 980 22 00
info@westiform.ch
www.westiform.com

uni | eth | zürich

westiform

Interactive Lightfloor

interaktive, leuchtenden und druckempfindliche Bodenplatten

Interactive Lightfloor ist ein neues, revolutionäres Konzept der Interaktion und ein innovatives, neueartiges Medium zum Ausdruck Ihrer Ideen. Mit Interactive Lightfloor können Sie eindrucksvolle Bilder vermitteln und als Publikumsmagnet wirken. Interactive Lightfloor lässt Ihre Ausstellung im unvergesslichem Licht erstrahlen.

Interactive Lightfloor kommt aus der Spitzenforschung der ETH und Universität Zürich und wurde bereits über tausende von Stunden getestet. Er war ein Schlüsselbestandteil der Ausstellung "Ada - der intelligente Raum" an der schweizerischen Nationalausstellung Expo.02, die über 500.000 Besuchern besuchten und die ein exzellentes Presseecho erhielt.

Input	Drucksensoren
Output	24-bit RGB Farbe
Updatefrequenz	50 Hz
Hardware	Modular steckbare, tragbare Bodenplatten: Rahmen aus Aluminium, Platte aus Sicherheitsglas, integrierte lokale Steuerung
Kontroll-PC	1 Pentium™ 4 pro Installation
Software	Eine sehr einfach zu bedienende grafische Benutzeroberfläche, die eine Vielzahl von anpassbaren Effekten oder interaktiven Spielen mit Sound steuert

Kontakt

Institut für Neuroinformatik
Universität/ETH Zürich
Winterthurerstrasse 190
CH-8057 Zürich
Schweiz

Tel: +41 44 630 30 51
Fax: +41 44 630 30 53
info@ini.phys.ethz.ch
www.ini.ethz.ch
www.ada-exhibition.ch

Westiform AG
Freiburgstrasse 596
CH-3172 Niederwangen
Schweiz

Tel: +41 31 980 22 22
Fax: +41 31 980 22 00
info@westiform.ch
www.westiform.com

uni | eth | zürich

westiform

Interactive Floor Rental

Specifications, setup requirements and costs

Specifications

Number of tiles	Up to 200 available for rental (spare parts included with rental)
Control PC	1 per floor
Tile geometry	Regular hexagon, 0.37 sq. m, 66cm between parallel sides, ~18.5 cm high
Tile weight	Approx. 21 kg
Load capacity	Approx. 300 kg per tile (static)
Power consumption	100 W per tile peak
Construction	Aluminium frame, tempered glass top (2 x 8 mm) with diffuser
Lighting	Red, green and blue neon tubes
Software	Fixed effects, interactive effects, interactive games

Site Requirements

Site location	Indoor use only, no exposure to rain
Floor loading capacity	>500 kg/sq. m
Floor surface	Non-slip, flat, no bumps > 2 mm, no holes > ø10 mm, no standing liquids
Power supply	230 VAC, 16A for each set of 30 tiles
Ambient lighting	As dim as possible for best effects – no daylight or spotlights
Tile borders	Needed to achieve optimal appearance if the tiles are not recessed into the surrounding floor. Can be supplied by the client or may be constructed on request (depending on available resources).
Liquids	Tiles are resistant to small liquid splashes only (eg. drinks). No standing or pressurised liquids allowed on or below surface.
Ambient temperature	30°C maximum
Cleaning	Tiles must be dry or damp-cleaned only (no liquids)
Site access	Unrestricted vehicle access to building, plus unrestricted level access to floor site. Minimum doorway size 1m wide x 2m high.

Costs

Installation & configuration	EUR 4000 per rental + EUR 110 per tile per rental
Rental per tile per day	EUR 30 per tile per day
Operator (required)	EUR 120 per hour
Payment	50% non-refundable deposit, balance within 30 days of end of event

Prices can vary depending on delivery distance, site conditions, etc.

uni | eth | zürich

Institute of Neuroinformatics
University/ETH Zürich
Winterthurerstrasse 190
CH-8057 Zürich
Switzerland

Tel: +41 44 630 30 51
Fax: +41 44 630 30 53
info@ini.phys.ethz.ch
www.ini.ethz.ch
www.ada-exhibition.ch

westiform

Westiform AG
Freiburgstrasse 596
CH-3172 Niederwangen
Switzerland

Tel: +41 31 980 22 22
Fax: +41 31 980 22 00
info@westiform.ch
www.westiform.com