




FogScreen Inc.

Data sheet

Fogscreen INIA

- Project images in thin air
- Walk through images
- Write and draw in the air
- Operate computer by touching air
- A visually stunning attention grabber
- A smooth airborne projection surface
- Penetrable without wetness
- No frame around the screen
- Viewable from front and back, with different image on each side
- Just remove the old screen, put FogScreen in place – and it works
- Compatible with any regular video projector



Create walk-through advertisements, walk-through entrances for shops and exhibitions, great attention grabbers. There could be even drive-through advertisements in parking houses. Let your imagination run wild. Let your guests arrive through a welcoming message. Design a wall where you don't need a door as you can walk through the wall anywhere. Design a door you don't need to open. FogScreen is science fiction – available for you today.

FogScreen is imitating a conventional projection screen with fog. Fog surface stays smooth and flat because of our patented method, and the fog consists of such tiny particles that you can stay in the fog for a long time and remain dry. FogScreen unit is suspended from a supporting structure or from the ceiling, and when switched on, the high quality fog projection screen appears below it.

FogScreen Inia can be also equipped with an interactivity set for writing and drawing in the air, or using a computer by touching only air. It is the world's first immaterial user interface.

» *A cool new projection effect for my trade show clients* » – **Brian O' Connor, Art-Of-Light Inc.**

» *Finnair is constantly looking for innovative and intelligent technology. FogScreen has worked in an excellent way as an eyecatcher and information media in our large marketing events, where every contact counts* » – **Jarkko Konttinen, Finnair Oyj**

Available now for both fixed installations and rentals through FogScreen global sales network.

CONTACT US

General information: info@fogscreen.com
 Sales inquiries, pricing : sales@fogscreen.com
 Telephone +358-20-1244 024
 Telefax +358-20-1244 020
www.fogscreen.com

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FogScreen is an old dream come true pictures floating magically in thin air. Even still images seem to become alive as they vibrate in mid-air. FogScreen has an exceptional quality of inspiring all kinds of people adults as well as children - to get in contact with it.

The dry fog used in FogScreen is made from pure tap water with no chemicals. The fog feels dry and cool to the touch. The level of fog is adjustable. Using a very thin fog the screen becomes transparent, so only the projected images show. This way you can create a true illusion of images appearing and floating in the air. If more fog is used, FogScreen reminds a conventional white screen. The screen is easily switched on and off in seconds. A mild airflow coming down from the fog unit regenerates the screen continuously.

DIMENSIONS

The dimensions of the FogScreen Inia unit are 0.65 (H) x 0.90 (D) x 2.31 (W) meters (25.6" x 35.4" x 91"). The weight of the unit is about 100 kg. (220 lbs.) + 20 kg. (44 lbs.) water. Control box 250x250x600cm is placed 5m from the screen.

The effective screen area is 1.5 meters high and 2 meters wide (59" x 79"). You can project even 2 x 2 m image on FogScreen Inia, depending on the conditions and required quality. We can produce custom-sized screens with the width necessary for your application.

The unit is suspended from the ceiling, truss or other rigging set-up, normally so that the bottom of the unit is 2-2.2 meters (7 ft.) off the ground, top 2.7-2.9m. Therefore you need at least 2.9 m (9 ft.) high space. Screen is at 0.5-2m height.

The unit is robustly built and easily transportable. The FogScreen has four points for rigging, 12 cm from the sides. A rigging truss structure is also available as an option.

POWER CONSUMPTION

FogScreen Inia needs only 2 kW power, and can use any national electricity (115 V/20 A, or 230 V/10 A, or any other).

PROJECTION PROPERTIES

The FogScreen works very much like an ordinary screen in terms of projection properties. Back-projection is recommended, as it produces more vivid colors than front-projection. We recommend a dark background (e.g., dark drapes) for a truly stunning and memorable effect.

The FogScreen can be used in highly lit environments like trade exhibitions, even in daylight, and the effect will still be spectacular. Normal stray light is no problem, as long as it is weaker than the projector. However, in dark the effect is truly magical. As the screen is slightly translucent, a bright projector is recommended: at least 3500 ANSI lumen in office conditions, at least 6000 ANSI lumen in trade fair-type setups, and if there is no dark background, at least 8500 ANSI lumen.

POSITIONING THE PROJECTOR

The projector should be rigged at about 2.2-3 meters height. The distance between the device and the projector should be preferably 3 - 5 meters. Take note of the depth of the FogScreen unit, which restricts the vertical positioning of the projector.

You can also create different images on both sides of the screen by placing one projector on each side.

HUMIDITY ISSUES

Water is turned into fine mist in the FogScreen unit. In short-term use, FogScreen can be used with a water reservoir, which is part of the FogScreen product (100 litres, 48*59*80cm, for 12h use). FogScreen operates with it about 20 hours - depending on the thickness of the fog. For permanent installations, you should connect FogScreen unit to a water line.

The unit consumes 7-10 litres (~1,5-2.5 gallons) of water per hour. The fog turns into air humidity, like in an air humidifier, so there is no need to recirculate it. FogScreen has been successfully tested for months in museum conditions with very strict humidity limits. Only in small, poorly ventilated rooms the accumulation of air humidity may cause problems.

A small part of the water condenses inside the unit, and a slight drip of water will therefore occur. Thus, there may be some water residue on the floor. Usually you will need a grating, a water-absorbing carpeting, e.g. outdoor carpeting or normal carpeting with plastic film under it. The dimensions of the carpeting should be about 2.5 (W) x 1.5 meters (D) (8' x 5').

Ensure that you are using fresh, clean, pure water only. For permanent installations, if the water is very hard, some limestone may form in the unit. In such conditions, remove the lime from the water before using it in the fog-generating unit.

AVAILABILITY

FogScreen Inias are available for rentals, leasing, and purchase. Due to limited availability, make your reservation well in advance!

REFERENCES

FogScreen has been used globally at many world-class sites, exhibitions and events. For references, consult www.fogscreen.com/references.html.

The FogScreen has created a big buzz in the international media, including NBC, CNN, Reuters, and New York Times. It has also received many prizes like European IST Prize and Laval Virtual Award.

INTERACTIVE OPTION

You can now turn FogScreen into a computer touch screen with our new interactivity add-on. With the interactivity set comes our proprietary software for writing in the air with fiery characters and drawing in the air with fireworks.

The interactive screen uses a hand-held pointing stick, which functions as a computer mouse. You can use any Windows-based program with it. Only your imagination sets the limits!

