

SENSORA



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A MULTI-SENSORIAL ENVIRONMENT

The Sensora is a set of special audiovisual components that transform a dedicated room into a multi-sensorial environment.

In this environment, you are immersed in a deeply relaxing field of pure colors, 3-D sound in motion and massaging, kinesthetic vibrations.

At the dawn of the 21st century, more and more people are interested in finding moments of meditation or rejuvenation in the midst of a fast-moving modern life. To meet this demand, a new technology harnessing the beneficial properties of light and sound is currently emerging among wellness services.

The Sensora clearly stands at the high end of this technology: it has been designed for uncompromising individuals and corporations looking for the very best that audio-visual stimulation can offer. The Sensora is more than just a piece of equipment; it is actually a complete environment into which you can enter, sit and relax.

Integrating extraordinary light projections on a large hemispherical screen, a surround-sound audio field and a sound massage from within a comfortable reclining chair:

the Sensora experience is unlike anything you have seen before...

"The Sensora is without doubt the most advanced, complete, multi-sensorial system made. Sensortech Inc. has definitely taken light, sound and tactile stimulation to its highest level."

Michael Landgraf, Editor
Audio/Visual Stimulation Journal (U.S.A.)

"Sensora gently guides us into a state of oneness where heaven and earth merge and we once again see through the eyes of God. The experience is extraordinary and unforgettable."

Dr. Jacob Liberman, author
"Light: medicine of the future"

Application Areas:

- At Hotels and Resorts, as an exclusive "Innertainment" station
- In Spas and Wellness Centers
- In Health Centers, Clinics and Counseling Centers
- In Fitness and Sports Centers
- In Waiting Rooms and Airports
- In the Executive Corporate Office, to help clear the mind before important planning sessions or delicate negotiations
- In the Home of individuals concerned with their quality of life



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During more than 15 years of research and development, Sensortech's team has found that the deepest experiences brought about by sound/light stimulation occur when many senses merge into a harmonious whole, a phenomenon known as *synesthesia*. That is why the Sensora integrates sound (hearing), light (vision) and kinesthetic vibrations (touch).

LIGHT:

The Sensora illuminates a hemispherical projection screen large enough to cover your whole field of vision, so that you feel immersed in a field of exquisitely pure colors – a very powerful and moving experience.

Sensortech has developed and patented a unique process called "*Light Modulation*", which is at the root of the effectiveness of the light projection patterns used in the Sensora. Colors appear alive and shimmering, with an intensity and texture reminiscent of the vivid colors sometimes perceived in dreams.

With the complete spectrum of visible colors available, the full benefits of the emerging science of the mind/body effect of colors can be realized. Light projections can also be modulated for *brainwave entrainment*, gently inducing deeper relaxation states.

SOUND:

The Sensora uses four audio channels to create the extraordinary sensation of a sound space completely surrounding and filling the listener, where each sound can be positioned and delicately moved at will.

The designer of the Sensora instruments, Anadi Martel, is a physicist who has been a pioneer in the field of *sound spatialization*. The prize-winning Spatial Sound Processors he created have been used around the world, for research (by NASA) and in the entertainment and cinema industries (such as IMAX).

KINESTHETIC VIBRATION:

Sensora sessions are enjoyed while comfortably resting on our elegant, avant-garde looking Transducer Chair. This chair is embedded with sound transducers and implements a new process called "*Dynamic Sonic Transduction*", working at two levels:

- First it transforms music coming from the Sensora program into vibrations that can be felt when lying on the chair.
- Then it goes a step further by distributing the sound vibrations across the surface of the chair in moving patterns or waves. This produces a pleasant kinesthetic sensation that can only be described as a *sound massage*.

The relaxation chair is motor driven to smoothly shift from its upward position all the way to a nearly horizontal reclining position, and is ergonomically designed for maximum comfort.



LPA-2 Light Projection Array:

Making use of the latest LED technology, this sophisticated light projector provides a level of integration and functionality previously unseen in a single unit. Powerful enough to light a complete room, it contains 15

independent light sources (organized as 5 groups of 3 primary colors) as well as special linear power drivers (avoiding the common pulse-width modulation approach) for cleaner light output.

The LPA-2 incorporates a complete Light Modulation processor capable of generating complex light patterns, bringing for the first time to *light* the type of modulation processes that have long been used in *sound* synthesizers.

Circular Projection Screen:

This large-scale screen (typically 3.2m in diameter) is inclined at 45° in the Sensora room. Its surface is coated with a special silvery compound to enhance the perceived depth of the light projections. A small independent light source located at its center acts as a focal point for the viewer's gaze.



Surround-Sound audio system:

Includes a CD Changer storing the specially encoded Sensora program CDs, a surround-sound multi-channel amplifier, and a sound delivery system comprising subwoofers and four satellite speakers.



TC-2 Transducer Chair:

Embedded within the chair structure are 8 sound transducers, each vibrating a section of the chair's surface. They are positioned as two rows (left and right) of 4 transducers each. Each row contains a transducer at the level of the shoulders, the lower back, the thighs and the feet.



TD-2 Transdriver:

A unique audio processor designed to drive the Transducer Chair. It extracts low-frequency information from any sound source, and distributes it in programmable patterns across 8 discrete amplified channels. It features a selection of 30 different vibration patterns.



All the instruments composing the Sensora system are digitally controllable and are designed to be driven by special *multi-sensorial programs* incorporating the sound, light and kinesthetic information.

This information is encoded using a proprietary technique and stored as program files on a PC. A Sensora session is played by simply selecting and starting the desired program. The process is then entirely automated, and does not require an attendant.

Sensortech has developed a library of *Core Sessions*, each with a different application having its own range of specific colors and frequencies. The series currently available include:

- Relaxation
- Energy (for creativity enhancement)
- Guided Meditation

As this library keeps expanding, Sensora operators will always be able to renew their system's possibilities. Sensortech will also create customized programs to order for clients with special requirements.

SYSTEM OPTIONS:

Our latest development - the interactive *Sensora Pro*, with a PC-based Touch Screen interface introduces these new functions:

- Visual selection of Sensora Core Sessions
- **Light Painting** software tool
- **Color Balancing Advanced Tool:** an interactive Color Test for live generation of Color Balancing Sensora sessions specially adapted to the user's current needs
- **Sensora Sequencer Advanced Tool:** an authoring tool allowing experienced operators to create and record their own Sensora sessions, according to their specific understanding of the functions of color and sound, and personal preferences

INSTALLATION REQUIREMENTS:

In order to create an ideal Sensora space, you will require a room with adequate ventilation, with good sound- and light- proofing, and with these minimum areas:

- For a single-chair installation: 3m x 4m
- For a 2-chair installation: 4m x 4m
- For 3-chair and more: 5m x 4m or more

The Sensora room can be decorated at will in order to reflect the enchanting nature of its function. Our experienced designers can assist you in customizing your own version.



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