

ClearPix™ 4 White 0.7

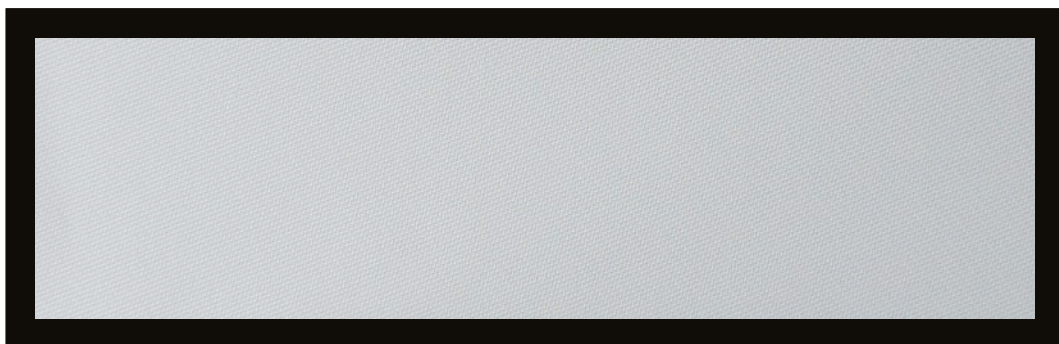
Conceived for Ultra HD resolutions. It has been designed primarily for superior home theater applications in controlled light environments. ClearPix™ 4 is an excellent solution for no-compromise Ultra High Definition picture, providing as well true acoustic transparency. Its non-geometric structure allows sound to pass through with no attenuation and therefore no modification of the loudspeaker response curve is necessary. A perfectly flat-spectral color response is maintained even off-axis throughout the whole recommended viewing angle. It is certified by both THX and ISF ensuring reference audio and video performance. All ClearPix™ screens feature a StopLight™ black backing layer as standard. This stops projected light from passing through the screen surface and causing distracting reflections from any elements placed behind the screen.

Features

- > Superior performance acoustically transparent matte white screen material
- > Designed for Ultra HD resolutions
- > Compatible with controlled light conditions
- > Perfect color balance and white field uniformity with no hot spots
- > Moiré-free
- > Patented design
- > THX® and ISF® certified

*Please check available screens for this projection surface on our pricelist.

Sample



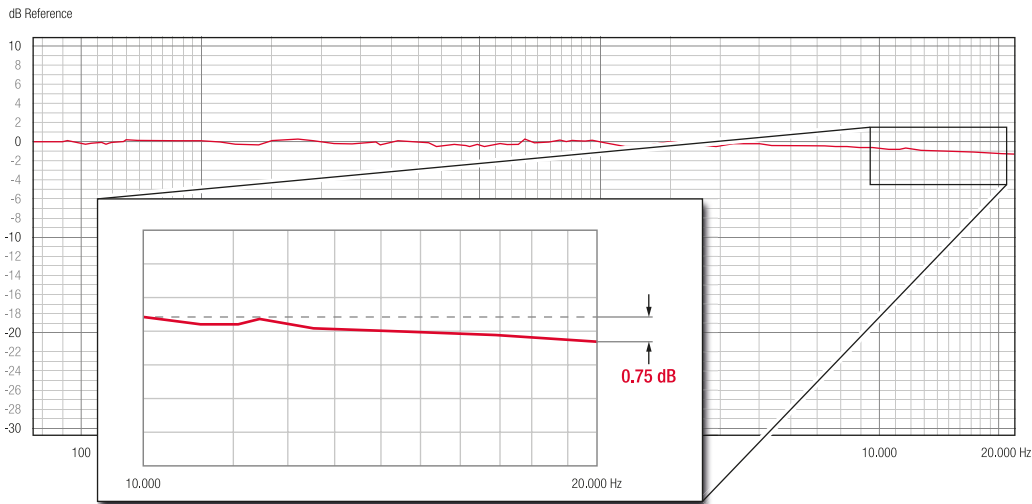
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Specifications

Material Type	Flexible Front Projection
True Gain	0.7
Viewing Angle	180°
Minimum Recommended Width for 4K	Any
Minimum Throw Distance	UST
Speckle-Free	Yes
Moiré-Free	Yes
True Acoustic Transparency	Yes
Acoustic Transparency	0.75dB of Acoustic Loss Between 10kHz and 20kHz
Acoustic Transparency with BB Layer	1.5dB of Acoustic Loss Between 10kHz and 20kHz
ALR Ambient Light Rejecting	3/10
Lay Flat Quality	Excellent
Flame Resistance	Yes

Acoustic Transparency



Acoustical transparency is tested with impulse response measurements using a Log-Sine Sweep test signal and repeated eight (8) times. A measurement microphone is placed at a distance of 1m from the loudspeaker used for the test. First the system measures itself and the surrounding environment and the result is used as a transfer function for subsequent measurements. This provides a reference flat line response from 80Hz-22kHz (0dB line). Then, a 1m x 1m section of screen material is placed in front of the loudspeaker and measured. The results shown above are the deviations from the flat-line response caused by placing the screen material in front of the loudspeaker. Loss caused by the screen is indicated as a dB change between 10kHz and 20kHz.

Reference Color Accuracy

At Screen Research we are very dedicated to achieve a flat spectral response with our screens. Our screen materials are designed to be easily calibrated to D65. Particular attention is dedicated to achieve a flat spectral response off-axis and to avoid even the smallest color-shifts, not only on-axis, but throughout the whole recommended viewing angle.

