

ClearPix™ 4K White 1.0

Designed specifically for a new UltraHD resolutions (up to 4K and beyond). It is conceived primarily for the best Reference Home Theater applications in controlled light environments. ClearPix™ 4K is the best solution for a no-compromise Ultra-High Definition picture, providing as well true acoustic transparency. It surpasses even the legendary acoustic transparency of our award-winning and patented ClearPix™ 2 screen material. Its non-geometric structure allows sound to pass through with no attenuation and therefore no modification of the loudspeaker response curve is necessary.

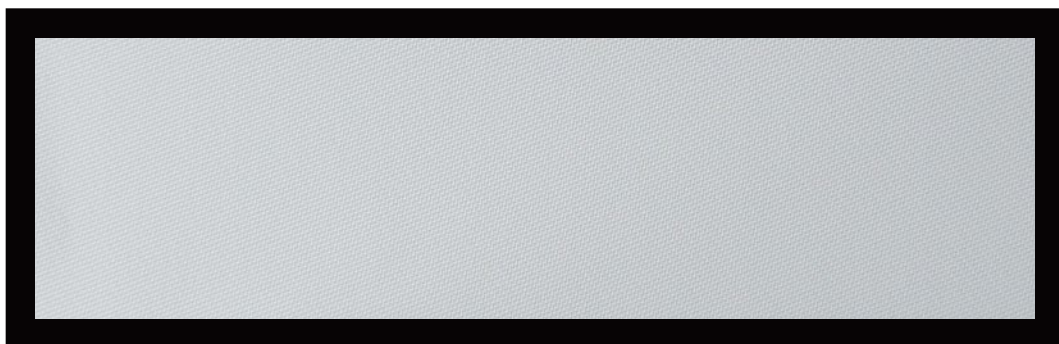
A perfectly flat-spectral color response is maintained even off-axis throughout the whole recommended viewing angle. It is certified by both THX and ISF ensuring reference audio and video performance. All ClearPix™ screens feature a StopLight™ black backing layer as standard. This stops projected light from passing through the screen surface and causing distracting reflections from any elements placed behind the screen.

Features

- > Reference performance acoustically transparent matte white screen material
- > Designed specifically for 4K 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

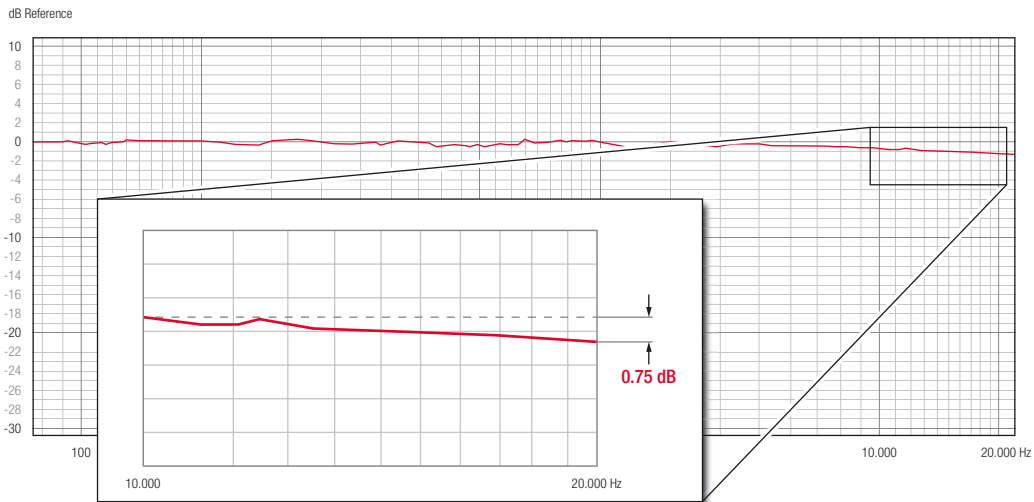
Sample



Material Type

Material Type	Flexible Front Projection
Gain	1.0
Half Gain	N/A
Viewing Angle	160°
Minimum Recommended Width for 4K	Any
Minimum Throw Distance	N/A
Video Transparency	3%
Video Transparency (incl. BB Layer)	0.5%
Acoustic Transparency	-0.75dB (10kHz – 20kHz)
Acoustic Transparency (incl. BB Layer)	-1.5dB (10kHz – 20kHz)
Ambient Light Resistance	5/10
Lay Flat Quality	Excellent
Flame Resistance	Yes

Acoustic Transparency



Acoustical transparency is tested with impulse response measurements using Log-Sine Sweep test signal, repeated 8 times. A measurement microphone is placed at a distance of 1m from loudspeaker used for the test. First, measurement system itself is measured and result is used as a transfer function for subsequent measurements. This allows to have a reference flat line response from 80Hz-22kHz of the measurement system (0dB line). Then, 1mx1m screen material sample is placed in front of the loudspeaker and measured. Result shown above is the deviation from a flat-line reference 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.

