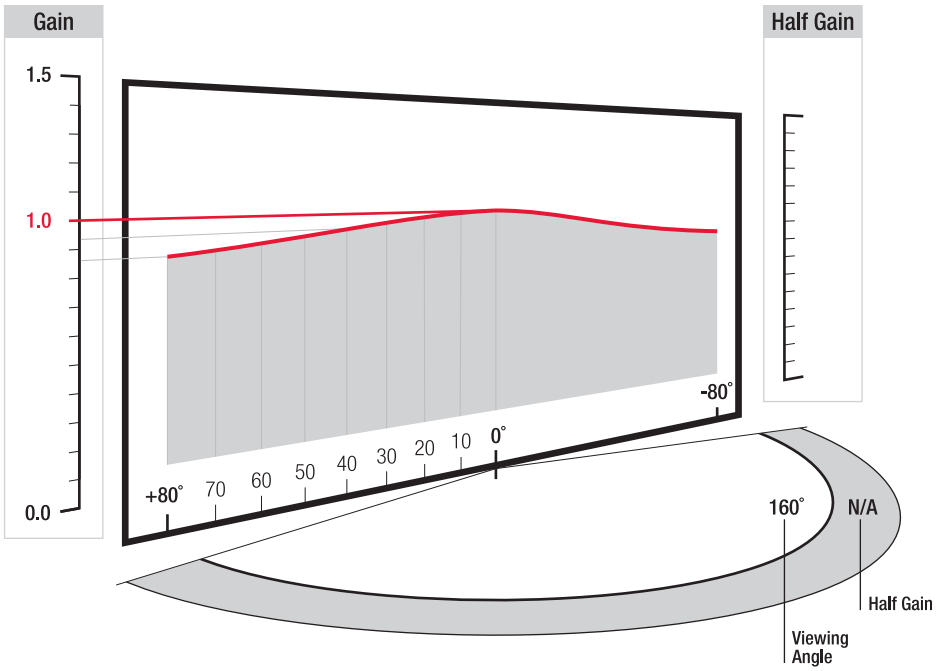
ClearPix™ 4K White 1.0



ClearPix™ 4K White 1.0

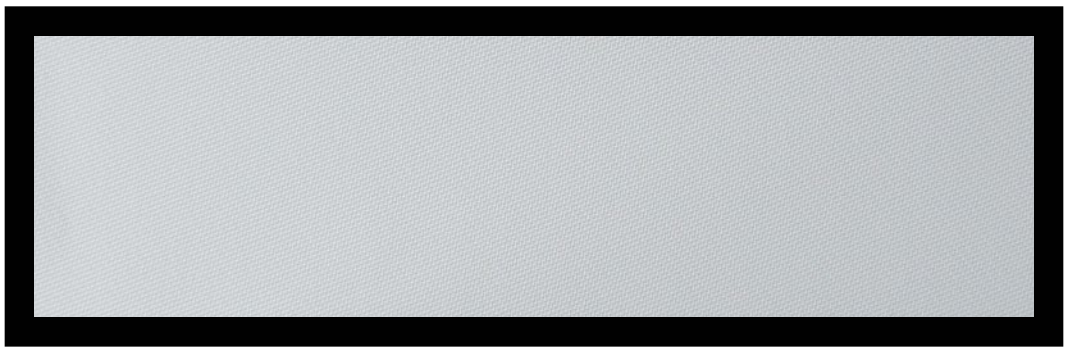
Designed specifically for a new UltraHD resolutions (up to 4K and beyond). It is conceived primarily for the best Reference Home Theater applications in controlled light environments. ClearPix™ 4K is the best solution for a no-compromise Ultra-High Definition picture, providing as well true acoustic 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



1.0 Gain
160° Viewing Angle
4K Ultra HD
True Acoustic Transparency
Fiberglass Core PVC Coated
Speckle Free RGB Laser Ready
Moiré Free
3D Active
3D Passive Spectral
isf
THX

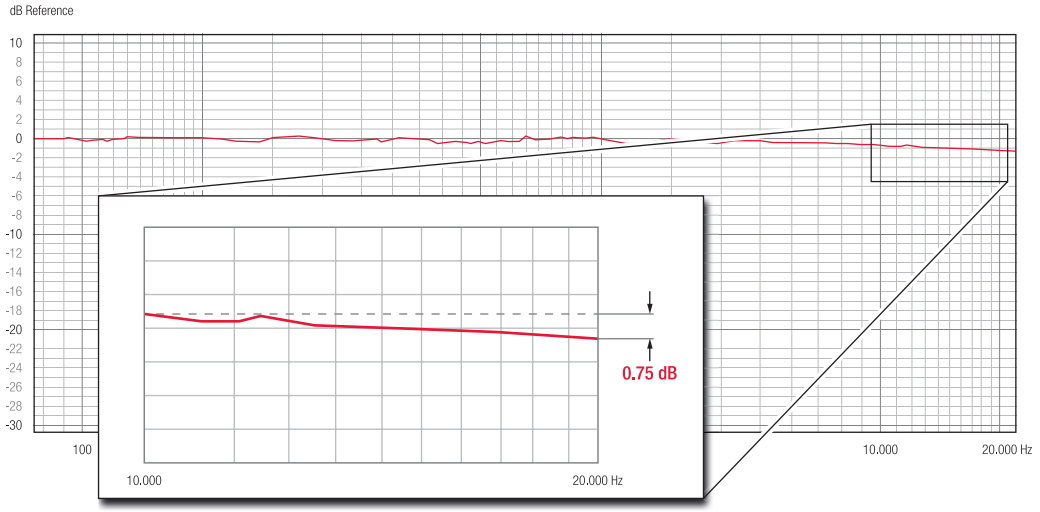
ClearPix™ 4K White 1.0

SCREEN RESEARCH

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
Acoustic Transparency	-0.75dB (10kHz – 20kHz)
Acoustic Transparency (incl. BB Layer)	-1.5dB (10kHz – 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.