

AcousticPro UHD

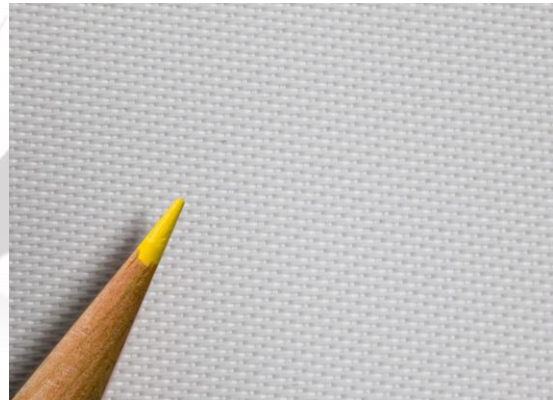
Section 1: Material Design

The **AcousticPro UHD** (ultra-high definition) is a self-supported acoustically transparent front projection screen material. The dense synthetic wave is compatible with **Ultra-High Definition/4K** resolutions while mitigating light penetration for a brighter picture. The **AcousticPro UHD** design maximizes sound penetration with minimal attenuation without compromising picture quality. The **AcousticPro UHD** material’s wide diffusion uniformity offers a broad viewing angle with superb picture quality across the entire surface. This provides equal brightness levels on or off axis.

Section 2: Features

Features

- Gain: 1.0
- Viewing Angle: 180° (90°LR)
- Moiré-free
- Wide diffusion uniformity – maintains luminance levels throughout entire surface
- Mildew Resistance
- Flame Retardant: Complies with NFPA 701 standards
- 4K/Ultra-HD and Active 3D ready
- Product Availability: Spectrum and Saker Series (Electric/Motorized Screen)



Section 3: Specifications

Thickness	0.64 mm
Weight	500 g/m ²
Material Roll Length	Short 1.6 M Med. 2.0 M Tall 2.5 M
Material Composition	Synthetic (plain woven) AT projection fabric
Average size of weave perforations	0.32 mm (Avg.)
On-axis Gain	1.0
Viewing Angle	180°
Recommended Minimum Viewing Distance*	1.5 x image width
Ambient Light Resistance	Non ALR material
Edge Blend	Yes
Active 3D & 4K Ultra HD ready	Yes
Acoustic Transparency (Sound Attenuation)	-2.36 dB (average insertion loss)

*Minimum viewing distance is recommended to reduce the possibility of moiré effects

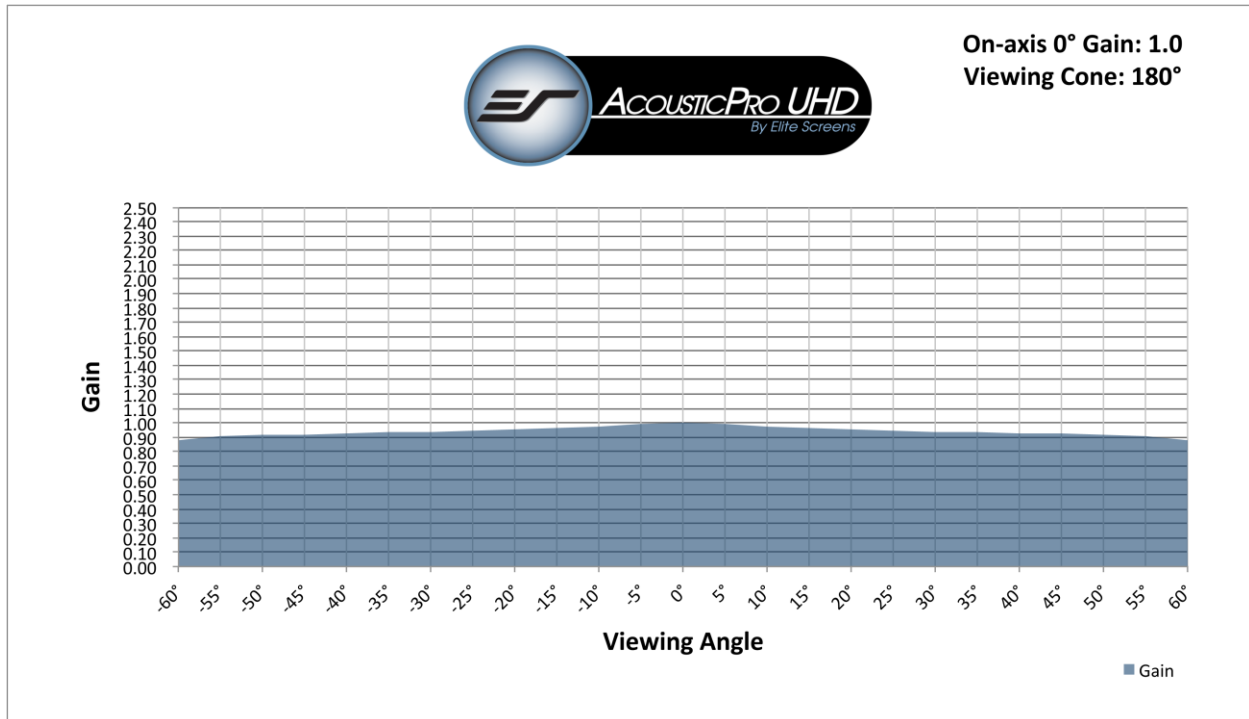
Section 4: Gain and Viewing Angle Chart

4.1 Gain

On-axis gain is 1.0 from 0 degrees.

4.2 Viewing Angle

Maximum viewing angle is 180 degrees. Half-gain is never reached.



Section 5: Acoustical Performance

5.1 Insertion Loss

Tabular Response at 0° Angle of Incidence

Avg Gain dB	Min gain dB	Max gain dB	Band
-1.48	-1.65	-1.38	100 Hz - 500 Hz
-1.66	-1.76	-1.60	500 Hz - 1000 Hz
-2.30	-3.41	-1.76	1000 Hz - 10000 Hz
-4.03	-4.61	-3.41	10000 Hz - 18000 Hz

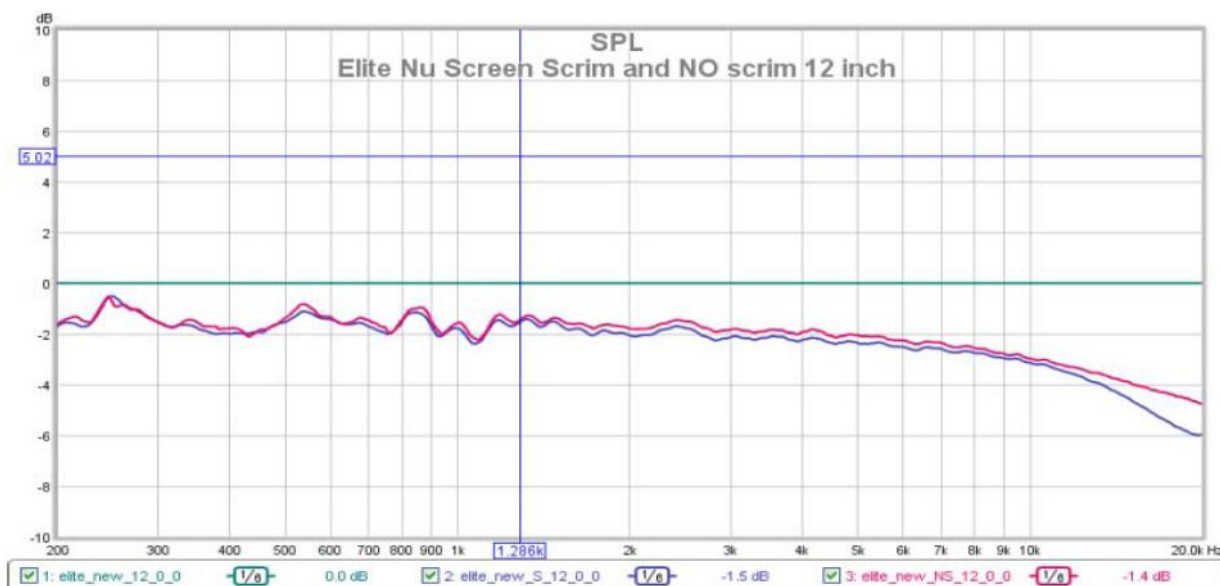
5.2 Acoustical Dispersion

Tabular Response at +/- 15° Angle of Incidence

Angle	Min Variation (dB)	Max Variation (dB)	Band
Horizontal +/- 15°	-0.45	-1.65	100 Hz - 10000 Hz
Horizontal +/- 15°	-0.38	-2.20	10000 Hz - 18000 Hz
Vertical +/- 15°	-0.13	-1.38	100 Hz - 10000 Hz
Vertical +/- 15°	-0.23	-3.02	10000 Hz - 18000 Hz

5.3 Sound Measurement Chart

Overall Response Plot 0° Angle of Incidence



Section 6: About Elite Screens

Company Description

Elite Screens Inc. is a California based company that specializes in making quality commercial and home-theater projection screens for the retail and custom install sales channels. Our company began as an innovative venture into the projection market by manufacturing veterans from the AV/IT industry. Elite Screens quickly established itself as an entry level commercial and home theater screen manufacturer. This was accomplished by making a quality product cost effective with a focus on mass-producing screen material, sizes and aspect ratios that were most commonly preferred by AV customers in general. We focused on uniformity with what would match the mainstream demographic while including extra



features that are not usually included by other manufacturers. In time, we progressed from just retail sales into the realm of custom installer/integrator manufacture as our numerous reviews and awards will attest. We stand behind our product and are so certain of customer satisfaction with the quality of our product that we offer a 2-year manufacturer's warranty which is twice the industry standard.

In our continued devotion to excellence in products and service, we are committed to implementing green practices with our production. We have adopted manufacturing methods that promote conservative regulation of our energy needs. Our simple product designs combined with the expertise of our permanent staff ensures that our entire line of products are made by experienced hands devoted to the high standards of today's audio-video consumer.

