YG ACOUSTICS™

SONJA™ XVi

15 Year Anniversary eXtreme Version

15周年旗舰纪念型号

YG ACOUSTICS™

Sonja™ 2.3i

SONJA™ 2i

Pure Seduction

Description

Sonja™ 2i incorporates YG Acoustics™' latest technologies, **BilletDome™** and **ViseCoil™**, which until now were exclusive to the flagship Sonja™ XVi. Marrying these technological breakthroughs with stunning industrial design, the result is a loudspeaker which is transformative in both performance and sheer visual beauty. Sonja™ 2i has unparalleled sonics, timelessly elegant form and pure seduction. Precision crafted in Colorado, U.S.A.

桑雅2i采用的 **BilletDome™** 和 **ViseCoil™** 技术是从旗舰XVi下放的最先进技术. 这些突破于行业技术范畴的专利技术让扬声器拥有更佳的效能及更美观。桑雅2i的声音拥有无比的速度感，更优美的外观形态和绝佳的吸引力。产品于美国 Colorado 以精准工艺生产。

Sonja™ 2i is distinguished first and foremost by the patent-pending **BilletDome™** tweeter. **BilletDome™** is YG Acoustics™' most complex mechanical invention to date: a resonance-free soft dome is supported by a stiff, light airframe machined from aluminum billet. The airframe weighs a mere 30 milligrams (a thousandth of an ounce), but its critical sections are up to 14 times thicker than a typical hard dome, so its structural strength is vastly superior even to domes made of the most exotic hard materials. Finally, a tweeter that ends the age-old debate of hard dome versus soft dome, combining the best of both.

桑雅2i首次加入我们专利的 **BilletDome™** 高音技术也是 YG Acoustics™ 发明的最复杂技术之一，“零”谐振的软膜高音产生于非常坚实并且超轻量的铝合金子弹头上。重量仅仅只是30 milligrams(千份之一盎司)，此振膜最终把好声音的两个原素极轻与极硬完美结合。

Sonja™ 2i's bass crossover uses a brand-new technology: **ViseCoil™** inductors are CNC-wound in-house, then encased in a vise-like milled structure to eliminate vibration and tighten tolerances. Residual loss is reduced by 24%, and linearity is improved by 60%. The result is better control over the woofers, far greater bass impact, and an easier job for most amplifiers.

桑雅2i的低音分音器使用了最新的持术:**ViseCoil™** 这个线圈是我们自行以 CNC 技术制造的，此装置能够有效防震并且把标准提高，最终把谐震调低24个百分比，与及把线性提升60个百分比。以上改动最终得益是低频获得了最佳的控制力，提升低频质感与及降低最终对功放器材于匹配上的要求。

The bass and midrange units are made in-house using YG Acoustics™' proprietary **BilletCore™*** technology: the drvers are precisely machined out of massive slabs of aircraft grade aluminum. This unique process offers overwhelmingly superior dynamics, musical delicacy and low distortion due to industry-leading rigidity and accuracy (tight tolerances).

低音和中低音单元运用 YG Acoustics™ 特有的 **BilletCore™*** 技术内部制作自行生产而成。单元振膜由整块航天铝合金经精细加工制作，由业界领先的高钢度和高精度技术（超低误差值），这样独特的处理提供了绝对领先于业界的动力，高音乐感和低失真。

The tweeter incorporates YG Acoustics™" ingenious **ForgeCore™*** system: in-house CNC-cutting introduces sophisticated 3D geometries into the motor system. The resulting improvement is greatly reduced distortion and a sense of ease to the sound.

高音扬声器体现了 YG Acoustics™ 独创的 **ForgeCore™*** 系统：自置 CNC 切割机械把复杂的 3D 几何体引进到动力系统。这种改进极大地减少了失真和提高声音的稳定度。

YG Acoustics™ crossover circuits are all created using proprietary software developed entirely in-house.**DualCoherent™*** technology provides the best frequency response and relative phase available. Competing speakers are optimized in either the frequency domain (most common) or time domain. Only YG Acoustics™ has the abilty to optimize both domains simultaneously.

YG Acoustics™ 交叉电路都是采用全内部开发的特有软件创造的。**DualCoherent™*** 技术提供最好的频率响应和相关有效相位。市场上其它扬声器设计主要使用时间域（最为常见）或是频率域。只有YG Acoustics™ 有能力同时完美地合用这两域设计。

Sonja™ 2i's crossover uses **ToroAir™*** technology: in-house CNC-wound toroidal air-core inductors are unique in eliminating cross-talk (cross-contamination) common in crossover circuits.The result is preservation of high-frequency detail without harshness,brightness or sibilance.

桑雅2i的分音器使用 **ToroAir™*** 技术：自行研发 CNC-wound 环形空芯电感器在消除分音器线路中常见的串音（交叉污染）方面有独特的功效。其结果是保留了高频但不含刺耳声，保留充足的亮度和柔滑如丝般的高频细节。

Sonja™ 2i's exquisite **Cabinet*** combines visual refinement with over-engineering. It is constructed of precision-machined aircraft-grade aluminum alloy. This material, using vibration-free pressurized assembly, allows for the most acoustically desirable enclosure achievable. The multi-layered structure is optimized for each module's specific frequency range.This ensures the lowest vibration achievable, even at extreme volume levels.

桑雅2i精致的箱体把视觉和超高工程学设计联系在一起。它是由精密加工航天铝合金制成。这种材料采用无震动增压组件制成，以达到最满意的听觉效果。为每个模块的具体频率范围进行多层结构优化。这就保证了即使在极端音量水平下的最低震动。

Sonja™ 2.2

FocusedElimination™* anti-resonance technology keeps mechanical losses lower than any competing speaker, by combining the minimized turbulenceof a sealed design with the low friction otherwise associated with enclosure-free concepts.

FocusedElimination™*反共振技术通过密封式低摩擦设计而不是反射式音箱设计，使其机械共震远远低于市面上其他扬声器。

YG Acoustics™ speakers are not voiced. All measurements are verified using extensive listening tests, but the speakers are not artificially manipulated. YG Acoustice™ speakers simply convey the recording-nothing more, nothing less. The end-result: Sonja ™ 2i's sets benchmarks in transparency, 3D-soundstaging, dynamics, bandwidth, inner-detail, and the natural sound of a live performance that YG Acoustict™ is famous for. This is all presented in a refined,elegant speaker with an exquisite fit-and-finish that is the showpiece of the world's finest listening environments.

YG Acoustics™ 扬声器本身完全没有共鸣声。所有测量值都已被大量细心听力测试所证实，这结果并不能人为操作。YG Acoustics™ 扬声器只传达录音里的细节，并没增加或减少。最终结果：桑雅2i在透明度、3D 音场、动力、频宽、内部细节方面树立了新标准并且达到 YG Acoustics™ 著名的如现场表演般的自然之声。这些都表现在一个典雅、设计精美的扬声器上，这款扬声器拥有精细的精确度和完整度，引领你进入世界最精密听力环境。

Configurations

Sonja™ 2i's is available in four fully modular configurations, each of which can be expanded to the next at any time, without the need to replace existing modules:

桑雅2i拥有四个型号不同配置，每一个都可以随时配合下一个使用，升级时并不需要更换现有型号。

- Sonja™ 2.1i - an ultra-high-end compact speaker,
  桑雅2.1i - 超高端紧凑型扬声器，可以匹配原厂脚架使用。
  available with or without a matching stand.

- Sonja™ 2Ci - a center-channel speaker, available with
  桑雅2Ci - 中置音箱，可以匹配原厂脚架使用。
  or without a matching stand.

- Sonja™ 2.2i - an ultra-higt-end medium-sized
  桑雅2.2i - 超高端中型落地扬声器。
  floorstanding speaker. Consists of Sonja™ 2.1i
  包括顶端连接着 桑雅2.1i。
  interlocked atop a matching bass module.

- Sonja™ 2.3i - the flagship; an ultra-high-end large
  桑雅2.3i - 旗舰；一个高端大型的落地扬声器，包括顶端连接着
  floorstanding speaker Consists of Sonja™ 2.1i
  的 桑雅2.1i。
  interlocked atop dual matching bass modules.

Sonja™ 2i's is fully compatible with multi-channel audio and home-theater systems. Sonja™ 2i's speakers can also be combined with speakers from YG Acoustics™' other lines for properly phase-coherent multichannel systems.

桑雅2i可搭配系列产品成为超级多声道家庭影院组合，桑雅2i也可搭配其他系列产品作为家庭影院使用。

Technical Specifications

Deviation:

±1 dB in the audible band

±5° relative phase throughout entire overlap

Exceptional pair-matching

Usable output extends from below 20 Hz to above 40 kHz

Drivers:

A four-way, four-tower system with a total of 20 drivers per pair of speakers. BilletCore ultra-high-rigidity woofers, mid-woofers and mids. BilletDome ultra-low-distortion tweeter, unique to Sonja XVi

Filters:

Sonja™ XVi is fully-passive

Proprietary DualCoherent™ crossover at 65 Hz, 337 Hz and 1.75 kHz

Designed using software developed in-house

ViseCoil™ bass inductors reduce residual loss and improve linearity, for greater bass impact and an easier job for most amplifiers

ToroAir™ mid and tweeter inductors eliminate cross-talk

Sensitivity:

88 dB / 2.83 V / 1 m 2π anechoic

Impedance:

4Ω nominal, 3.5Ω minimum

Dimensions:

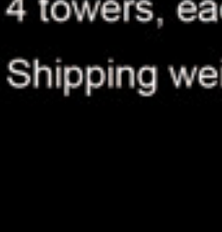
4 towers, each 179x43x72 cm (70x17x28") HxWxD

Weight:

4 towers, each 210 kg (463 lbs) per tower unpackaged

Shipping weight of a pair is 1.3 tons

YG ACOUSTICS™



Designed by Yoav Geva

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Technical Specifications

Drivers:

BilletCore ultra-high-rigidity woofers and mids

BilletDome ultra-low-distortion tweeter with ForgeCore motor

Fliters:

Sonja™ 2i is fully-passive

Proprietary DualCoherent™ crossover at 65 Hz and 1.75 kHz

Designed using software developed in-house

ViseCoil™ bass inductors reduce residual loss and improve linearity for greater bass impact and an easier job for most amplifiers

ToroAir™ inductors eliminate cross-talk

Sensitivity:

88dB/2.83V/1m 2π anechoic

Impedance:

4Ω nominal, 3 Ω minimum

Dimensions:

Sonja™ 2.1i - 50x21x53 cm (20x8x21") HxWxD

Sonja™ 2.2i - 129x33x63 cm (51x13x25") HxWxD

Sonja™ 2.3i - 179x43x72 cm (70x17x28") HxWxD

weight:

Sonja™ 2.1i / Sonja™ 2Ci - 46 kg (102 lbs) per channel unpackaged

Sonja™ 2.2i - 130kg (286 lbs) per channel unpackaged

Sonja™ 2.3i - 205 kg (452 lbs) per channel unpackaged

Sonja™ 2.1i

Sonja™ 2Ci

YG Acoustics™ Billetcore™ mid-woofer(单元振膜)

Whatis BilletCore™ drivers technology?

YG Acoustics™ BilletCore™ drivers start life as massive slabs of aircraft-grade aluminum alloy. The drivers are then precisely machined, until over 99% of the material is removed as tiny chips for recycling, and only the desired shape remains. The material is not bent, stamped, stretched, woven, cracked or otherwise stressed into submission.Any of those methods always induce fatigue.

BilletCore™ drvers, in contrast,retain the full strength of the material. They are, however, significantly more difficult to manufacture: several hours of machining are required to produce a single BilletCore™ woofer cone from a solid slab of aircraft-grade aluminum alloy. The finished cone is 0.008" (0.2 mm) thick and weighs under 1oz (30g), whereas the raw solid billet is2.5" (64 mm), thick and weighs 16 lbs (7 kg).

什么是BilletCore™单元振膜技术?

YG Acoustics™ BilletCore™单元是由一整块航天级铝合金材料打造而成。然后经过精密机械精细加工，超过99%的原料被去除，形成微小的单片以供回收利用，最后只剩下我们所需要的振膜形状。振膜不能被弯曲，踩压，拉抻，交织，碰撞或受到其它压力。这些方式往往会导致金属疲劳。

相比之下，BilletCore™单元保留材料的所有力量。然而，它们却非常难以加工：要从一整块航天级铝合金固体板中生产出一片BilletCore™ 低音扬声器锥体需要加工好几个小时。加工出来的锥体要是0.2毫米厚，重量在30克以下，然而原始材料却是64毫米厚，7千克重的原块航天铝材。

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