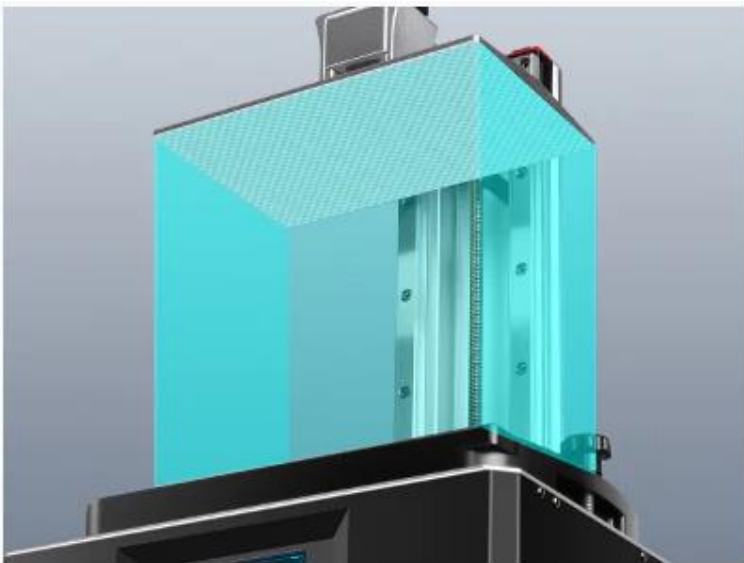# Anycubic Photon Mono X 6K

Technical Specifications

- Exposure screen: 9.25'' monochrome
- Printing volume: 199.1 oz. / 1.6 gal. / 5.9 L
- Light transmittance: 6%
- Contrast ratio: 350:1
- Light source: Parallel matrix (LED x 40)
- Power density: 5,000 - 6,500 µw/cm² / 34,150 - 44,395 lux
- Printing accuracy: 5,760 x 3,600 px (6K)
- Horizontal resolution: 34 µm
- Printing speed: Max 80mm/h
- Control panel: 3.5'' TFT touch-control
- Data input: USB-A 2.0 / LAN
- Power supply: 120W
- Screen area: 38.22 in² / 248.75 cm²
- Machine dimensions: 18.7 x 11.4 x 10.6 in. / 475 x 290 x 270 mm (HWD)
- Machine weight: 24.3 lb. / 11 kg

For Freedom to Make

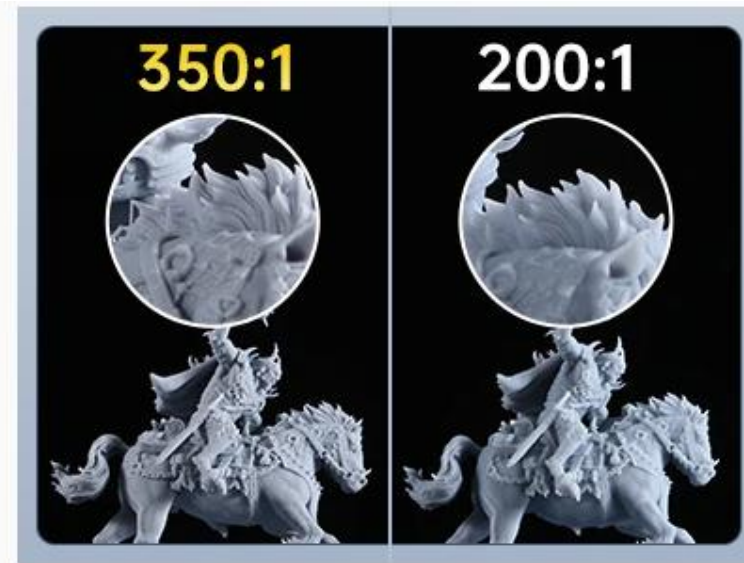Anycubic Photon Mono X 6K can print up to 9.6 x 7.8 x 4.8 in. / 245 x 197 x 122 mm (HWD) at a time, similar dimensions to a super midi rugby ball. 199.1 oz. / 1.6 gal. / 5.9 L total build volume leaves more space and freedom for you to make any shapes of cubic.
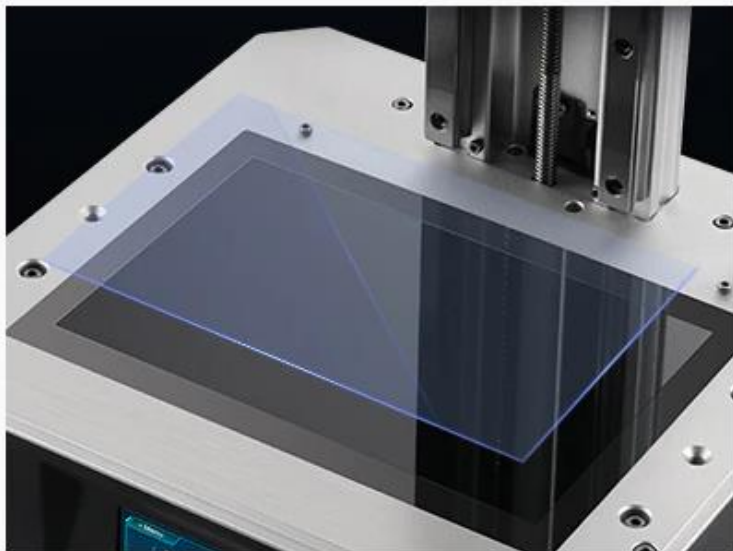

6K Vivid Details

With 5,760 x 3,600 px resolution, Anycubic Photon Mono X 6K's screen has a total number of over 20 million pixels, which is 125% higher than Anycubic Photon Mono X and its rivals' 4K resolution screen. High resolution brings vivid details to your 3D models.

Sharp Edges and Corners

Adopting an industry-leading screen with 350:1 contrast ratio, 75% higher than Anycubic Photon X and its rivals' 200:1, Anycubic Photon Mono X 6K provides your 3D models with extremely sharp and clear edges and corners.
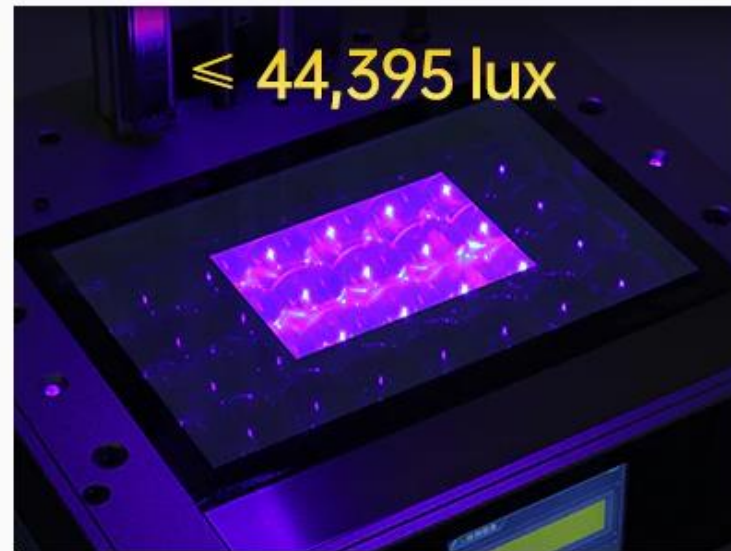
Protect What Matters

In order to better protect its premium screen, Anycubic Photon Mono X 6K added a dedicated and replaceable anti-scratch film above the screen itself, making that expensive screen much more durable than its rivals.
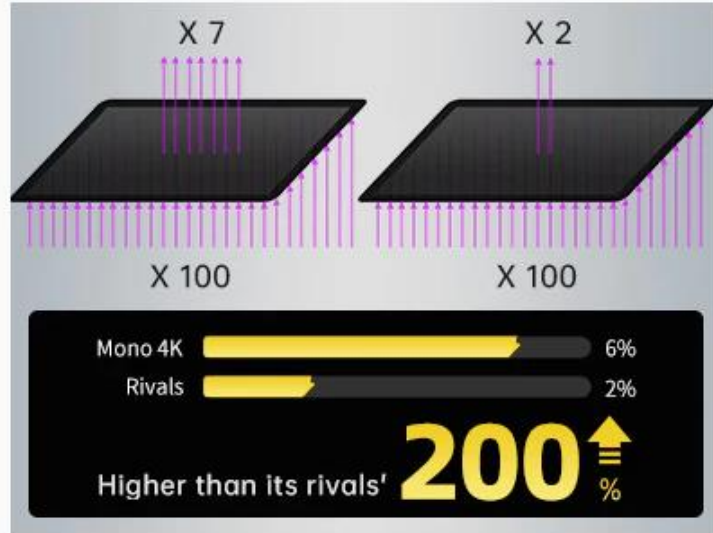
Print, One Step Ahead

With an impressive print speed at ≤ 80 mm/hr. / 3.15 in./hr., Photon Mono X can print a typical 12cm / 4.7in. model in 1.5 hours, which takes 4.5 hours less than Photon's 6 hours, and 1.5 hours less than its rivals' 3 hours. Fast printing saves your time wasted on waiting.

Powerful Light Matrix

40 bright LED lights are placed into a matrix to make up a powerful and parallel light source, so that Anycubic Photon Mono X 6K can provide ≥90% light uniformity and ≤ 44,395 lux power density to each layer, making fast printing possible.

High Light Transmittance

Anycubic Photon Mono X 6K is equipped with an industry leading screen with 6% light transmittance, which is 200% higher than Anycubic Photon Mono X and its rivals' 2%. High light transmittance makes quick forming possible.

Universal Compatibility

With 30%-100% light power regulation, Anycubic Photon Mono X 6K supports not only ordinary 405nm UV resins, but also special resins. In addition, adjusting the light power appropriately can extend the lifespan of both the screen and light significantly.

9.25'' Large Screen

Anycubic Photon Mono X 6K is equipped with a large 9.25'' screen, which is 185% larger than Anycubic Photon's 5.5'' screen, 138% larger than a common 6'' screen, and 8% larger than Photon Mono X and its rivals' 8.9'' in screen area.

Anycubic Photon Mono X 6K