



## XPeng New LiDAR-Equipped P5 a Game-Changer for Smart EVs

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- **XPeng's third production model boasts strongest autonomous driving architecture in its class**
- **Navigation-guided autonomous driving to extend from highways to city roads**

GUANGZHOU, China--(BUSINESS WIRE)-- XPeng Motors (NYSE: XPEV) today announced its third production model, the XPeng P5, the world's first production smart EV equipped with automotive-grade LiDAR technology. The P5 will bring Navigation Guided Pilot (NGP) capabilities to city roads for the first time in a production vehicle, powered by XPeng's full-stack in-house developed autonomous driving system XPILOT 3.5.

This press release features multimedia. View the full release here: <https://www.businesswire.com/news/home/20210414005546/en/>



Positioned as a family-friendly model to popularize EVs, the P5 boasts cutting edge technology and compelling value in its class with superior user-centric and intuitive in-car features. With XPeng's proprietary XPILOT 3.5 system powering smart driving, and latest Xmart OS 3.0 delivering smart interaction, the P5 presents a game-changing new vision for smart EVs.

"The P5 brings a new level in sophistication and technological advancement for smart EVs," said He Xiaopeng, Chairman & CEO of XPeng. "Each new XPeng model aims for a new high in technology, and the P5 is our most advanced and technically ambitious model yet. Our homegrown technology, distinctive design language and user experience philosophy, all reflect XPeng's drive to grow from its Chinese roots to realize its global vision of leading the world's Smart EV market."

### **Market-leading architecture, groundbreaking functionality**

The new XPILOT 3.5 architecture is the strongest autonomous driving system in production cars. The new architecture comprises 32 perception sensors (including

XPeng P5 (Photo: Business Wire)

2 LiDAR units, 12 ultrasonic sensors, 5 millimeter-wave radars, and 13 high-resolution cameras) and 1 high-precision positioning unit (GNSS + IMU), integrated into 360° dual-perception fusion to provide sufficient redundancy across the perception sensors to handle challenging and complex road conditions.

The P5's double-prism LiDAR units are capable to distinguish pedestrians, cyclists and scooters, static obstacles, and road works, in challenging scenarios such as night and low-light conditions, backlighting, and alternating light and dark illumination in tunnels.

Extending the Navigation Guided Pilot (NGP) function from highways to city driving, the P5 will be able to handle situations such as cutting-in, automatic follow and speed limit optimization on urban roads, recognizing traffic lights as well as small objects.

### **Smart cockpit, superlative interaction**

The P5's Xmart OS 3.0 – XPeng's latest in-car operation system and a standard P5 spec - creates an advanced digital cockpit to deliver next-generation user-vehicle interaction. The powerful Xmart OS 3.0 platform supports full-scenario all-voice interaction, answering complex needs of driver-vehicle and passenger-vehicle interaction with one simple solution: Voice for Everything.

The P5 is the first vehicle in its class to deploy Qualcomm's Snapdragon flagship SA8155P auto-grade computing platform, 3 times more powerful than the previous generation. It ensures seamless user control and interaction to assist, inform, and entertain driver and passengers.

For full driver utility and control, the instrument console includes a 15.6-inch large-size screen with all essential information and controls right where the driver needs them. Xmart OS 3.0 also allows vehicle-to-home connection for maximum convenience.

The P5's smart interaction suite also includes a remote Bluetooth key with robust security specifications. A fully-stocked ecosystem of in-house and third-party applications and software packages allow for rich user-created content and many usage options.

### **Stylish and Spacious**

With a length of 4808mm and wheel base of 2768mm, the P5's technological superiority empowers superlative styling and complete convenience inside and out, with XPeng's distinctive design language.

On the outside, the P5's sleek aerodynamic profile is complemented by a neat fastback with unobtrusive ducktail. The X-shaped headlights and taillights echo the XPeng logo, epitomizing the brand's "X-volving" lighting language. Its 1.493 sqm transparent panoramic canopy glass roof offers uninterrupted views, and sets off the elegance of its profile.

On the inside, the P5's passenger compartment presents an immersive aesthetic space. Spacious and comfortable, the well-upholstered interior can be reconfigured as a private full-width movie theater for user enjoyment, or put into sleep mode as a full-length sleeping compartment, for ultimate comfort. Extra touches such as a built-in fridge, and air freshness and fragrance control, further enhance the P5's role as a mobile extension of our users' home or desk.

### **Full presentation at Shanghai Auto Show**

The P5 will be featured at Auto Shanghai 2021 on April 19<sup>th</sup>, 2021 with more details of its specifications, performance, pricing and availability.

For the P5 Premier Press Briefing replay, see check out here:

[XPeng IR Website](#) [XPeng YouTube channel](#)

For the P5 images and video: [XPeng P5 Google Drive](#)

### **About XPeng**

XPeng Inc. is a leading Chinese smart electric vehicle company that designs, develops, manufactures, and markets Smart EVs that appeal to the large and growing base of technology-savvy middle-class consumers in China. Its mission is to drive Smart EV transformation with technology and data, shaping the mobility experience of the future. In order to optimize its customers' mobility experience, XPeng develops in-house its full-stack autonomous driving technology and in-car intelligent operating system, as well as core vehicle systems including powertrain and the electrification/electronic architecture. XPeng is headquartered in Guangzhou, China, with offices in Beijing, Shanghai, Silicon Valley, and San Diego. The Company's Smart EVs are manufactured at plants in Zhaoqing and Zhengzhou, located in Guangdong and Henan provinces, respectively. For more information, please visit <https://en.xiaopeng.com>.

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