AMODULE

Commercial-scale distributed intelligent contract module network Amodule Network

Amodule Network has designed a network standard for a Commercial-scale blockchain application model, following hot-swap, modular extensions, providing alternative smart contracts, consensus mechanisms, P2P network transport, big data encryption storage, multiple accounts and more. The contract layer of the blockchain required by each industry in various fields is packaged, and the visual operating system is convenient for developers of various languages to call quickly. The business project that needs to be chain-changed will quickly establish a decentralized application scenario, build a business model according to its own needs, and no longer need to re-develop from the bottom to the top to save human and financial resources, which will rapidly promote the commercial application of blockchain and Traditional industrial blockchain renovation project.

To support developers, Amodule Network will provide a wealth of developer tools, including stand-alone smart contract development IDE, block browser, plugin support for popular IDEs, debuggers, simulators, smart contract formal verification tools, each A high-level background SDK, mobile SDK, etc. Developer tools are also promoted in the standard chain community in the form of lectures and discussions.

Based on a series of powerful features provided by the Amodule Network, a range of application scenarios can be combined with the Amodule Network to generate significant business value, including: digital assets, intellectual property validation, Mesh networking, and medical information winding. In particular, the "Intellectual Property Recognition" application scenario, by combining Amodule Network with the current rapid development of AR technology, can quickly create a complete set of commercial value around AMO-based intellectual property rights AR glasses and related applications and system. Below we will describe the innovative AR products, functions and applications, business models, and current product software and hardware development progress of AModule Network and AR technology.

1. AModule Network application scenario: Intellectual property rights

intellectual property rights can be divided into two categories: industrial property rights and copyright. Among them, industrial property rights, including invention patents, trademarks, industrial designs and geographical indications. Copyright, including literary works (such as novels, poetry and drama), films, music, works of art (such as: drawings, paintings, photographs and sculptures), architectural design, etc., and copyright-related rights including performing arts The rights enjoyed by the performers, the rights of the producer of the phonogram to their phonograms, and the rights of the broadcasting organization to their radio and television programmes.

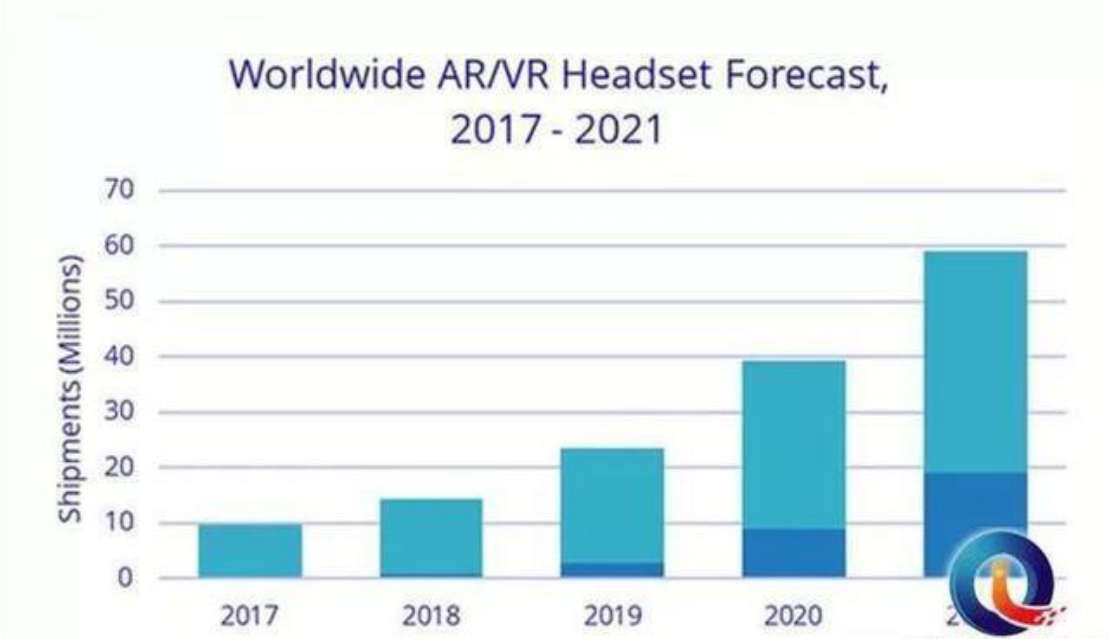
The existence of intellectual property rights is the earliest blockchain assurance

service. It can prove the digital assets through the decentralization, stability, reliability, continuity, and non-tamperability of the blockchain network. Hash proves the contents of the file, when the time stamp proves that the file was created, and the data is very convenient for the whole network information to be verified by one-click verification. With the rapid development of the virtual economy, intellectual property infringement disputes such as film and television, games, and creativity frequently appear, and the market urgently needs effective protection solutions. There are many problems in the traditional way, and the blockchain technology has produced subversive innovations in IP protection, completely solving the IP protection problem.

2. The booming AR technology

Augmented Reality, also known as AR, is a technology that calculates the position and angle of camera images in real time and adds corresponding images. The goal of this technology is on the screen. Put the virtual world in the real world and interact. In other words, when the real world is presented on the screen through images, AR technology adds a controllable programming layer between the real world and the users, thus adding a new dimension of experience. With AR applications, users can interact more deeply and deeply with the real world, perform operations in real time, and get feedback, not just view information.

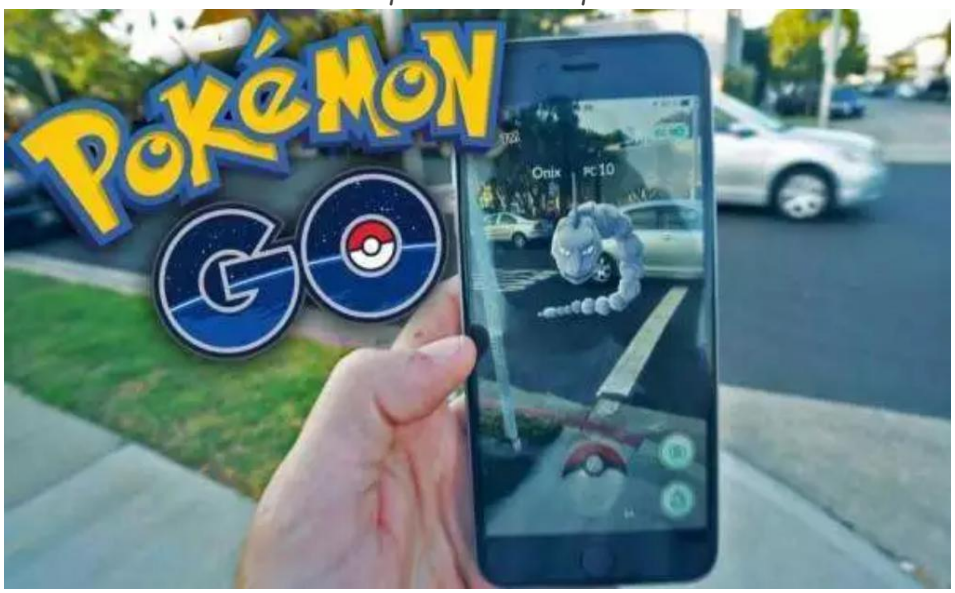
The global quarterly augmented reality and virtual reality helmet tracker released by IDC, a world-renowned research institute, reports that the global VR/AR market will see a significant growth trend in the next few years. Global shipments are expected to grow at a high growth rate of 517% by 2021, and will increase from 9.6 million units this year to 59.2 million units. The report also conducted independent data research on VR and AR heads, and AR head-mounted equipment shipments will grow even more intensely, reaching 15.6 million units by the end of 2021.



AR applications have begun to flourish on mobile devices. Compared to VR technology that relies on specialized devices, AR is more accessible, and related application for the **iOS** and **Android** are already platforms. For example, the two popular mobile ARs currently include:

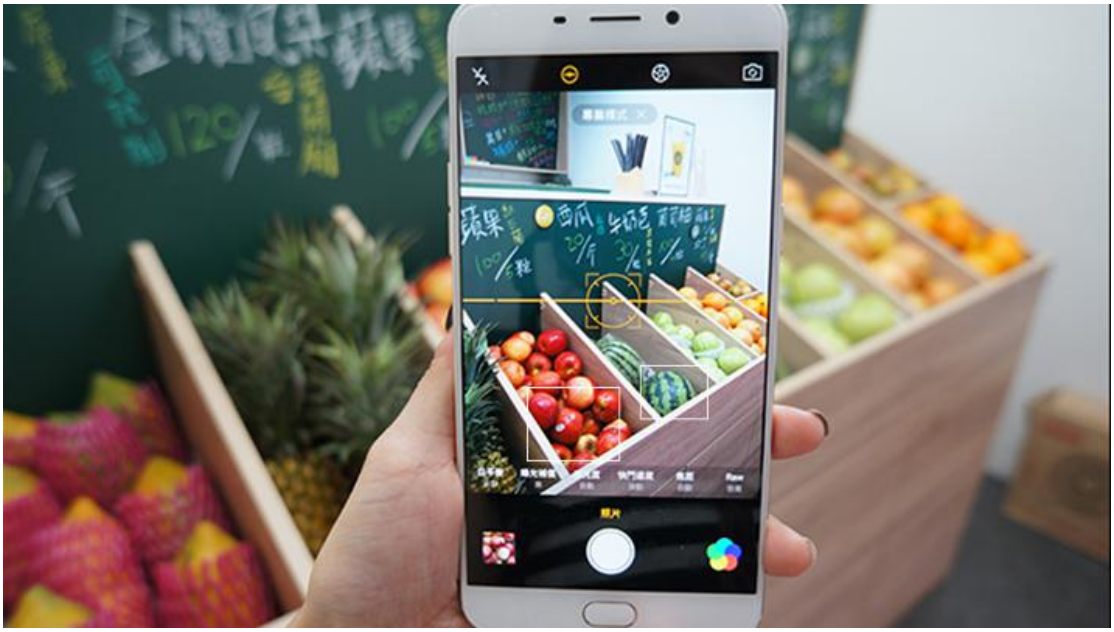
- AR games

recently hot ***PokemonGo***,*players use the mobile AR application to move around in the real world to capture virtual pet characters.*



- AR Commodity Identification

Wal-Mart recently announced that it will launch an AR scanner in the Apple mobile app. Unlike the classic stripe scanner we have seen before, this AR scanner can provide product details and user reviews. Displayed in real time. When the user moves the phone over different items, the item information at the bottom of the screen changes as the screen moves, displaying the product name, price, star rating and link in real time. Based on this information, the user can make a decision on whether to make a purchase, and complete the purchase, inquiry, shopping cart and checkout functions of the entire product on the mobile phone side, thereby achieving the goal of "smart supermarket".



3. **A new product based on AModule Network: AMO intellectual property rights platform and AMO AR intellectual property rights glasses**

based on AModule Network and AMO AR glasses, can create a complete and intelligent intellectual property rights platform, as shown in the following figure The entire business model of this platform. Specifically:

- **for the intellectual property owner**

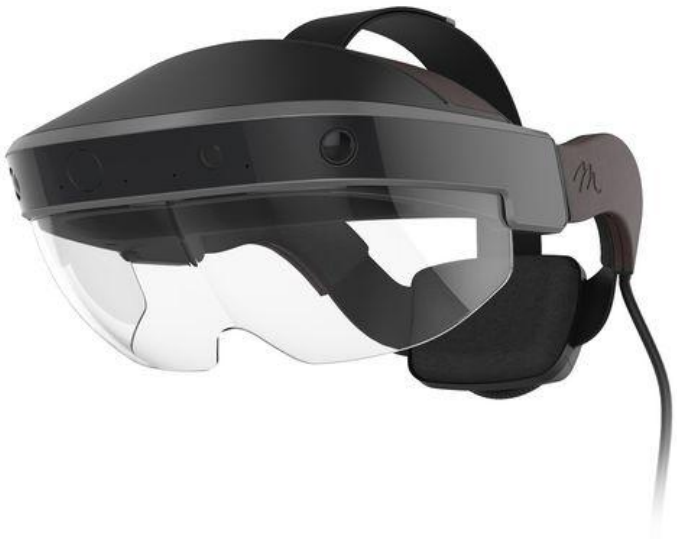
in the registration process, the AModule Network blockchain completes the identity verification. In the registration process, the AModule Network blockchain needs to prove the existence of the assets. In the confirmation chain, the AModule Network blockchain gives the owner unique authority to control its own assets. In the status tracking process, the time stamp on the AModule Network blockchain provides the possibility for asset traceability. In the trading session, the AModule Network-based smart contract automates the processing of externally initiated trading requests. In the asset delivery phase, AModule Network plays the role of its digital currency: the decentralized process of payment, clearing, and exchange.

- **of intellectual property rights for blockchain users**

A particularly prominent pain point in the current application scenariosis that intellectual property information input and uploading are easy, but in the process of intellectual property transactions, there is a user's intuitive access to the intellectual property stored in the chain. Information is very difficult. For example, for physical intellectual property transactions, such as works of art, you are already familiar with and recognized that you can see the physical objects of the transaction and related intellectual property information (such as the appraisal report of the author of a famous painting), such a form of transaction can make purchases. Responsible for trading. However, at a digital copyright trade fair, since digital copyright itself cannot

be directly viewed and touched, how to enable traders to intuitively obtain information on digital copyright transaction targets is an important factor in promoting digital intellectual property transactions. demand.

Therefore, for the secondary demand, we developed the AMO AR digital intellectual property glasses based on the Amodule Network.



4. AMO AR digital intellectual property rights glasses are

based on the AModule Network. We have planned and designed two products: AMO AR glasses and AMO AR mobile APP. Among them, the AMO AR mobile APP will be developed in the first phase. At the same time, considering the maturity of the AR glasses industry, AMO AR glasses are planned to be developed in 2020.

Specifically, the current development plan and latest progress of theis:

AMO AR mobile APPAMO AR mobile APP development plan and recent progress		
project	**planning**	**latest progress**
APP prototype design (UI design, functional and non-functional design)	2019.11	in progress, expected Completion of theat the end of November 2019,
APP Android version development	2020.02	
APP iOS version development	2020.04