

VOLVE VISION

Decentralized network of video surveillance cameras

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1. BRIEF OVERVIEW OF THE PROJECT

VOLVE VISION is an innovative start-up, the first and only decentralized project of this kind, created at the junction of video surveillance systems and WEB 3.0 technologies.

Due to decentralization, we intend to essentially increase the already advanced topics of implementing video surveillance systems, as well as to expand the coverage area and to change the perception of the world safety (SafetyWorld).

The goal of VOLVE VISION initiatives is to create an environmental system, the central core of which will be the global system of video surveillance cameras, in which:

- the conditions of operation of the project are set out in the smart-contract, high standards to be kept, ensuring implementation of your ideas and at the same time protecting personal data of all interested parties;
- cameras shall be purchased by the project investors, they shall be installed and operated by them;
- information from the cameras shall be collected and processed on dozens and hundreds of servers, united in one decentralized network that cannot be exploited, and shall further be reduced to one platform in the format of a web-page and a mobile application;
- other project participants who are not investors can use the information collected from investors' cameras on a free (ordinary functionality) or paid (advanced functionality) basis;
- operation of the project shall be ensured by a single universal crypto-currency – VV token (VOLVE VISION);
- camera owners will be granted VV tokens for online camera operation;
- VV tokens are secured by funds spent by VOLVE VISION, as well as funds raised within private investment round, the framework of IDO, as well as proceeds from the provision of paid services to other project participants, advertising services provided by VOLVE VISION etc.;
- a part of the funds raised within the framework of the project implementation will be used for the further implementation of the project, introduction of new options and opportunities, in particular,

video analytics software implementation of additional capabilities of WEB 3.0, as well as expansion of the geography of the project.

2. VIDEO SURVEILLANCE TODAY

2.1. Why is video surveillance market attractive?

Did you know that back in 2015, within the framework of «Global CCTV Market Forecast 2022» study, the analysts of consulting company RNCOS calculated that in the period from 2016 to 2022, the global video surveillance market will increase by approximately by 12% per year in the average?

And already in 2022, Synology, the company specializing in production and supply of IR video surveillance cameras, forecasts a 50% growth in the commercial security systems market compared to 2021.

Why does such situation exist?

Firstly, the issue of security measures has always been relevant both for the humanity as a whole and for each individual. The fourth industrial revolution not only created new opportunities for the implementation of security measures, but also posed new challenges for companies operating in this sector.

Secondly, video surveillance systems have taken an absolutely new turn together with artificial intelligence systems, artificial neural networks. In addition, the computing powers of technical equipment have improved significantly.

The first two factors in their accumulation permitted the business, as any business is always vulnerable to illegal actions, to refuse from «physical security» measures and to use modern equipment, IR video surveillance cameras, cloud technologies, due to which to optimize its security system and structure of costs for its maintenance.

Thirdly, the growth processes of the video surveillance market are affected by such processes as:

a) globalization – i.e. business owners and managers have the need to monitor the activity of their assets in real time remotely, to ensure the unity of security system of all businesses and assets under exploitation;

b) growth of organized crime – in particular, the UN Office on Drugs and Crime (UNODC) annually prepares and publishes an analytical report on the topic «Transnational Organized Crime and its Threats», and the leading Netherlands based Institute Clingendael, which carries out activity also as an

analytical center, by the orders of UNODC prepares general study «Transnational Organized Crime». Analysis of the mentioned documents unconditionally testifies to both the spread of organized crime activities to areas not previously characteristic of them, and growth of influences in traditional areas;

c) legal and illegal migration, exponential growth of the number of refugees in the world – as a result, there is an aggravation of ethnic contradictions and increase of the number of conflicts at this background;

d) spread of COVID 19 – permitted to introduce a new functionality of video surveillance cameras, in particular, the ability to detect high temperature;

e) increase of the number of military conflicts in the world – video surveillance systems help to record war crimes and provide the opportunity to recover funds in the future.

f) implementation of new solutions – it is about the possibility of using video surveillance systems to detect fires, gas leaks or leaking water-supply pipes.

In conclusion – quoting experts from the aforementioned Synology company – realizing the value of video surveillance is only part of the journey. Indeed, development of technologies, neural networks, pseudo-artificial intelligence permits not only passive surveillance, but also active use of video surveillance systems for the search and identification of persons, investigation of crimes, etc.

Our vision is consistent with this opinion – and the VOLVE VISION project allows you looking at video surveillance systems from a different point, thanks to web 3.0 technologies.

2.2. Problems of the video surveillance market, ways of resolving the problems.

All markets, irrespective from the fact whether these are services, goods, finance or virtual assets, are always subject to the influence of external factors (such as COVID-19, global economic crisis, local crises that destroy supply «chains»).

Besides, there are permanent problems characteristic of each of the mentioned markets – these are, for example, logistics problems, inflationary processes, complications in regulation of certain aspects of the market stakeholders' activities.

The video surveillance market is not an exception. Both – influence of external factors and permanent problems are inherent to it.

When we talk about external factors, it is obvious that there exists the impossibility of forecasting them in the medium or long-term periods. Their regulation is always tactical – depending on the specific situation.

As for permanent problems – actually one of the goals set by VOLVE VISION – is their resolving. First of all, it is about:

- high cost of video surveillance system elements, maintenance and operation of such systems. The cost of elements of video surveillance system either – for businesses – is included in the expenditure part of the budget, or – for the average user – is considered as insurance in case of unforeseen situations.
- risks of physical damage and/or destruction of video surveillance cameras, cables (in the event the camera is not equipped with IR technology), without insurance of such risk. In case of damage and/or destruction of cameras, other elements of the video surveillance system, the owner shall cover all costs on restoration by himself, since the mentioned risks are not insured in any way. Instead, VOLVE VISION transfers a part of the invested funds to the so-called hedge fund, which will guarantee the risks of investors;
- recording of a video stream or a series of photos on internal resources, which leads to high costs of memory resources to save the recorded information, or exclusively online broadcasting of the video stream, which does not permit disposing of the information later.
- absence of a uniform analytical system that works under the principles of a neural network, which permits processing information, summarizing or specifying it for certain goals set before the system owner or video surveillance camera. This leads to large expenses of time resources or the need to engage third-party analysts to the processing.

Resolution of the mentioned problems lies in the creation of a single, but at the same time decentralized system, in which individual elements belong to investors, and centralized management, information processing, and its storage is vested to the developer company.

Besides, the integral elements of such an ecosystem shall, first of all, tokenization of camera exploitation (payment of VV tokens for operation of video surveillance camera and transmission of a video stream to the central

server), secondly, creation of a special fund within the framework of which investors can insure their risks concerning physical damage and/or destruction of elements of video surveillance system.

2.3. Demand.

We have already mentioned the research by Global CCTV Market Forecast 2022 and forecasts by Synology above. It is evident that increase in market offer is directly related to increase in the demand.

Volume of cameras under the global scale is growing in the exponent. This is greatly contributed by both - non-governmental organizations and state institutions which seek to control all spheres of the life.

More than 770 million cameras are already used in the whole world. For example, as it is reported by Worldvision company with reference to the Precision Security report, as of 2020 China has at least 200 million cameras, then come the United States and Germany with 50 million and 5,2 million, respectively.

Indeed, as of 2022 China remains the most equipped with cameras and video surveillance systems, and by the end of 2022 the Chinese authorities plan to scale the number of cameras in the proportion of «two cameras per every citizen».

Moreover, two-thirds of the world's most heavily monitored cities (in terms of the number of cameras per square mile) are in China. Then come London, Chennai, Singapore, Seoul, Moscow, New York, Mumbai and Mexico City, which also belong to the top twenty. Meanwhile, London and Chennai have more cameras per square mile than any other Chinese city.

At the same time, London and Chennai have more cameras per square mile than any other Chinese city.

According to the recent report by IHS Markit, more than a billion surveillance cameras will be installed worldwide by the end of this year.

The conclusion is definite – the demand for cameras and video surveillance systems is growing and will continue to grow. In addition, all elements of video surveillance systems are subject to amortization, which stipulates further increase in demand for replacement or repair of those already commissioned.

Ordinary citizens, private organizations and state institutions are ready to invest enormous funds, taking care of their safety, as well as safety of their relatives and friends, their population, and business assets.

So why not use the possibilities of WEB 3.0 and pay off the invested funds?

3. VIDEO SURVEILLANCE WEB 3.0

3.1. Mission of VOLVE VISION

Development of VOLVE VISION project started in Ukraine at the difficult time – the time of military aggression of the Russian Federation, at the time when there is a full-scale war, millions of Ukrainians are forced to leave their homes.

It is evident that being forcibly resettled – to other states or to the western regions of Ukraine – the refugees faced a problem: how shall they take care of safety of their homes and assets in the form of real estate, businesses that continued to function despite the threat of war.

In these conditions the first ideas, which form the basis of the VOLVE VISION project, were born. We are talking about «SafetyWorld» - the idea of making the world as safe as possible by way of creating the opportunity to remotely observe and control your property, as well as to promptly react to any force majeure that occurs, as well as to fix offenses, extreme situations, etc. via VOLVE VISION cameras and video surveillance systems.

The second idea organically follows from the first one and makes it possible always to be aware of how things are going with the family and friends – we call it «ConnectAroundWorld». Anyone can provide access to VOLVE VISION network of cameras and video surveillance systems with the right to monitor his movements, observe himself and his actions, and to be sure of his safety. This thesis will be especially interesting for parents who care about their children – they will always be able to follow what their children are doing. However, with great respect for the security of personal data, such access will be optional, only with the mutual consent of the project participants.

The third idea, which we called «DiscoveryWorld», is based on self-development, expansion of horizons, relaxation and observation of interesting natural phenomena, exotic exhibits of flora and fauna. VOLVE VISION cameras and video surveillance systems will be able to work online in exotic places, the most amazing places of the globe. Imagine Discovery online? – dances of Ethiopian aborigines, migration of Arizona bison, flight of the golden eagle in the Carpathian Mountains – and all this in live mode.

All our ideas, and therefore the VOLVE VISION project, are primarily human-centered – personal safety is the basis (the second level of Maslow

hierarchy), the next level is safety and peace of the family and friends (the third level of Maslow hierarchy), the last is self-development (the fifth level of Maslow hierarchy).

Well, we cannot help but touch upon such an idea as possibility of receiving VV tokens for investors for operation of video surveillance cameras online – this will make the VOLVE VISION project advantageously different from any similar products on the market primarily for the investors.

We see our future in successful implementation of each of the presented ideas and development of sustainable mechanisms for their interaction and the enrichment of investors who will work with us.

3.2. VOLVE VISION Ecosystem

In the center of VOLVE VISION ecosystem there are cameras and video surveillance systems. The total ecosystem functions on the basis of a smart-contract, which sets out the structure of the ecosystem, as well as the conditions for functioning of each of the elements and participants of the ecosystem, order and sequence of implementation of the ideas on which the VOLVE VISION project is based.

At the initial stage of VOLVE VISION ecosystem functioning, the participants of the ecosystem are the following:

- the main participants are the investors (we call them Holders), who have video cameras and video surveillance systems directly from VOLVE VISION company and who are granted VV tokens for functioning of the video surveillance system elements. We intend to form a large-scale community all over the world, covering the infrastructure of the largest cities in the world with video surveillance at the first stage, and later expanding the coverage area to smaller cities and towns, interesting infrastructure objects outside the boundaries of settlements, natural and historical memorials;
- the ecosystem operator – which is VOLVE VISION company – provides support to investors and elements of video surveillance systems purchased by them, provides software maintenance, provides support to VV token, carries out ongoing work concerning expanding and scaling of the project, introduces new functionality according to the RoadMap;
- users able to connect to VOLVE VISION software tools, to use the video stream generated by cameras and video surveillance systems

in their own interests. Engagement of users to the ecosystem takes place both on a free basis (ordinary functionality) and on a paid basis (advanced functionality), which will increase the total capitalization of the project, including the market value of the VV token charged to investors. It is important to note that investors have the opportunity to use VOLVE VISION software tools with advanced functionality without extra payment;

In the future the number of ecosystem participants' types will be expanded due to the introduction of new investment methods – in particular, the ability to use your personal cameras by connecting a season pass – a paid tariff for access to the ecosystem as an investor.

VOLVE VISION ecosystem elements:

- the key element around which the entire VOLVE VISION ecosystem is built, is a global decentralized network of cameras and video surveillance systems, purchased by investors from VOLVE VISION company, which function on the basis of specially developed software. Afterwards, cameras and video surveillance systems belonging to investors who purchase a season pass will also be integrated into this network;
- the server part is a software and technical complex, to which the video streams of cameras and video surveillance systems will be provided from the entire network and with the help of which they will be processed, on the capacities of which video recordings will be stored within the terms stipulated by the smart-contract;
- VOLVE VISION software tools are tools with the help of which you can view, scroll, process the video stream, as well as share it with your friends. The software will be implemented in the format of a website and mobile applications based on the operating systems of the most popular manufacturers;
- VV token is a crypto-coin – the fund, the order of distribution, the order of accrual to first and second-level investors of which shall be regulated by a smart-contract;
- hedge fund is a fund, specially created at the expense of a part of the funds raised from first and second-level investors, as well as users, which key function is to regulate the market price of the VV token, as well as to prevent dumping of the price of this token in order to

protect the interests of investors of all levels, to eliminate physical destruction/damage to video surveillance cameras.

3.3. Investors and users of VOLVE VISION.

To become a VOLVE VISION investor you need to do the following:

- have a camera/video surveillance system from VOLVE VISION company;
- register in VOLVE VISION system as an investor;
- register all cameras/video surveillance systems in VOLVE VISION system;
- register a wallet in the BEP20 network, where VV tokens will be accrued;
- install and connect cameras/video surveillance system and start the video stream.

For VOLVE VISION investors it is important to understand what they will get by purchasing a VOLVE VISION camera/surveillance system. So:

- free storage space for the recorded video stream on VOLVE VISION servers;
- a wide range of tools for processing and working with the recorded video stream, starting from something as elementary as compressing and stretching the rewind speed, ending with recognizing faces, license plates, comparing them with available databases;
- the possibility to receive VV tokens for broadcasting a video stream to VOLVE VISION servers;
- possibility to sell VV tokens at the market value, with the support of the market value of the token by VOLVE VISION. When calculating the lower cost threshold, the annual payback of the value.

To become a VOLVE VISION user you need to do the following:

- register in VOLVE VISION system as the user;
- enjoy the opportunities of the ordinary functionality;
- in case of insufficient capabilities of the ordinary functionality – pay for extended access to VOLVE VISION system.

Users with extended access to VOLVE VISION will be able to use the whole functionality and software tools of VOLVE VISION system, viewing and operating the video stream, including saving clips of the video stream. Users with the ordinary access have the opportunity to view the video stream in the live mode.

4. PROJECT MODEL VOLVE VISION.

4.1. What is VV token?

For the purpose of management, performing of all internal operations, payment of income to investors, we present our own VOLVE VISION cryptocurrency – internal VV token – which reflects the name of the project in its abbreviation.

The VV token is a crypto-currency with limited emission, created on the basis of the Binance Smart Chain block chain platform in accordance with the BEP20 standard. Any token that meets the requirements of BEP20 is compatible with the existing infrastructure of the Binance Smart Chain block chain platform, permitting fast and simple implementation. Speed and popularity of the BEP20 standard in Binance Smart Chain network fits emission of VV in the best way.

Subsequently, the VOLVE VISION ecosystem will be transferred to its own block chain, the structure and logistics of which will be fully subordinated to the goals and tasks of VOLVE VISION – i.e. transmission and processing of the video stream. Also, in the course of switching to our own block chain, all data of investors and users will be transferred and recorded, halving of VV token will be done, which will additionally regulate inflationary processes.

Taking into account the presence of the upper threshold for emission of VV tokens and carrying out periodic halvings, their number is directly proportional to the investment amount. Under such conditions, their general circulation is regulated at the same time, and therefore VV tokens are not exposed to inflation both for the short and for the long period.

VV token hedging mechanism deserves special attention, which will be presented according to the RoadMap.

In line with this, dependence of the number of issued coins on the number of investors and the amount of investments puts it in conditions of shortage at the market. In accumulation with the marketmaking policy planned by VOLVE VISION, this will collectively lead to an increase of VV token value. Also,

according to the planned marketmaking policy regarding the VV token VOLVE VISION intends to maintain high liquidity, and therefore its value.

VV token will be used as a unit for mutual settlements under all economic transactions in the VOLVE VISION ecosystem. The same token will be the basis for interaction with other ecosystems and digital services.

The investors' income will also be accrued and paid out in VV token, which they will be able to: a) sell in exchange for stablecoin BUSD (BEP20 standard, Binance Smart Chain network); b) keep them in the spot wallet, pursuing the goal of its value growth.

In future, in the course of developing the VOLVE VISION ecosystem, new opportunities will be introduced for VV token holders, example users will be able to use VV tokens to expand functionality by paying for extended access.

4.2. Marketingmodel.

The major goal of the marketing model is to attract more than 1 000 000 first and second-level investors to VOLVE VISION decentralized video surveillance system within 36 months from the moment of the marketing campaign start.

The target audience of VOLVE VISION project shall be individuals who want to be sure of their safety, the safety of their family and friends, and their property. Also, the target audience of VOLVE VISION project includes private businesses that intend to preserve their assets in the real sector of the economy. The entire audience of the project is generally united by the intention not only to spend money on ensuring security, but also to pay off, to make profit, realizing within the framework of VOLVE VISION project.

The resources for conducting marketing campaign shall be attracted stage-by-stage from first and second-level investors, investment companies that will be interested in purchasing VV token in proportions described in the project business model.

The marketing campaign shall be conducted in two stages: 1) recruitment of the base – to be realized during the first 18 months and is aimed at attracting 100 000 first and second-level investors; 2) scaling – to be realized within 36 months after implementation of the first stage and is aimed at increasing the number of first and second-level investors to 1 000 000.

The geography of marketing model includes: Europe, North America, Latin American countries, Middle East countries, Asia. (Where functioning of

systems similar to VOLVE VISION ecosystem is not limited by local legislation).

4.3. Financial model and tokenomic model.

At the moment, there is a clearly developed financial model of the VOLVE VISION project, as well as a mathematical model describing the behavior of the VV token.

The presentation of the financial model and tokenomics at this stage of project implementation is carried out to institutional investors and will be presented for public access according to the RoadMap.

5. ADDITIONS

- 5.1. RoadMap;
- 5.2. Financial model – open for institutional investor & coming sun for all;
- 5.3. Token distribution & vesting – open for institutional investor & coming sun for all;
- 5.4. Tokenomic – open for institutional investor & coming sun for all.