

Backgrounder

The Digitus Plug&View system



Focus on everything that is important! That is easy – with the innovative Digitus Plug&View System by Assmann. The state-of-the-art concept of the IP-cameras guarantees fast and uncomplicated security solutions for private users as well as for commercial use. Contrary to common network cameras the high-performance

Plug&View devices can be installed quite easily, are ready for use immediately and are accessible from everywhere via the Internet. Whether during the day or at night, indoor or outdoor – the possible applications of the cameras have no limits.

Details about the cameras: Advantages of IP-cameras

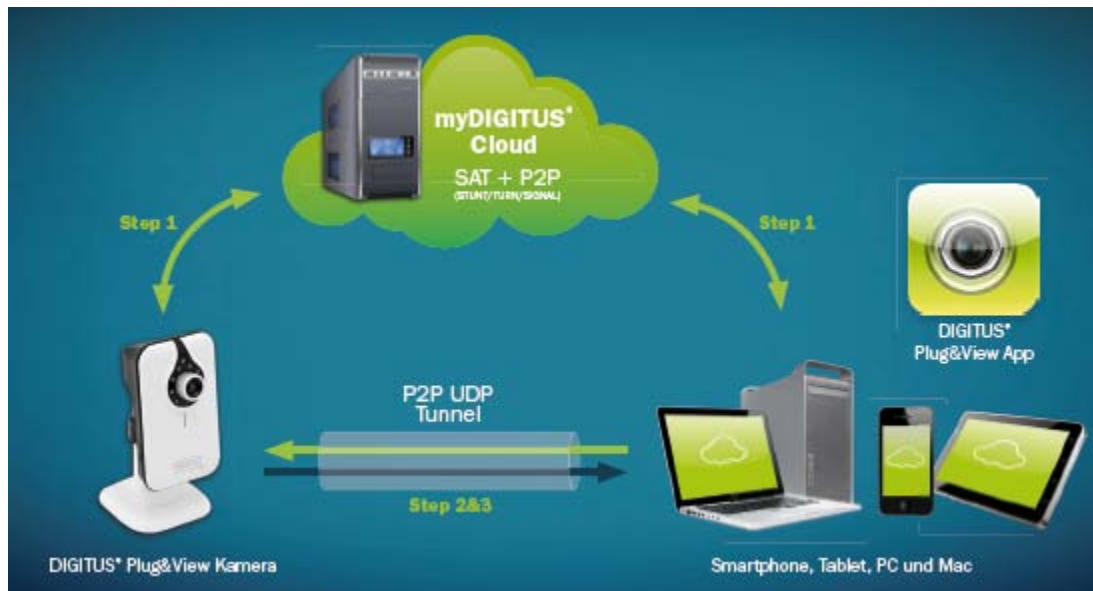
IP-cameras such as the Digitus Plug&View series have a great advantage compared to the classic webcams. They do not need constant connections to some individual computer but are rather controlled via the network. Digitalizing and compressing of image data is done by the embedded software of the camera. Video streams and images (so-called snapshots) will be stored on the network if needed. If needed you can call up the live image of the camera via mobile end devices or view the stored recordings on the network. Contrary to webcams you may access and control a network camera also from diverse stations worldwide.

Configuration and software updates are possible on the network and remotely. In addition network cameras offer a much greater variety of functions compared to simple webcams.

The camera does not limit the scope of applications to just communication between Internet users. Data can be managed directly from the network; they can be sent and stored.

Authorized users can thus view the transmitted live data conveniently from everywhere, e.g. also from 'on the go' via smartphone or tablet.

Thanks to be fitted with motion detection, motion notification, zoom function and integrated infrared LEDs for night vision network cameras have become all-round devices.



Plug&View: Innovative installation protection

While prior IP security cameras can only be installed with great efforts and high technical know-how Assmann pursues a completely different approach: The innovative concept of the Plug&View System with the respective Digitus IP security cameras is extremely user friendly and can be easily installed by about anybody. Every device will be delivered with an individual code. If this code is called up in the user account via web browser or via QR scan via the Plug&View mobile app then the camera is registered. The device will be recognized automatically and the user account will be added to www.mydigitus.net – elaborate installation processes are omitted. With the help of the installation assistant the IP security camera is ready to use within one minute. Now the user can access the camera from everywhere via smartphone, tablet, PC or Mac, view the video sequences and perform individual settings. Several cameras can be connected to the user account and called up from there.

Applications and scope of use of the Plug&View cameras

The applications for the devices vary: Due to the mobile Plug&View concept you may call up a live image of the site at any time and from anywhere. Thus the cameras enable you to contact your family when you are on the go, monitor the baby's afternoon nap, monitor your children or observe seniors who live by themselves.

When at work you may want to keep an eye on your four legged friends at home or monitor your home remotely to prevent break-ins or theft. The cameras are of course also suited for commercial use – for instance as protective devices against unauthorized access, vandalism or theft. E.g. the devices monitor the company site or the car fleet, hotel facilities, or they secure data centres.

How does the Plug&View system work?

The Plug&View system enables access to the cameras via all common Internet browsers. Especially convenient is the access via your own app which guarantees tailored control of the user account via smartphones and tablets. The network cameras are equipped with a motion detection function. When the device registers a motion it records it automatically and sends the user a message per mail – if so desired – or stores the data automatically in myDigitus-Cloud. So that the devices record motions also when it is dark they are also equipped with Smart-Light-Control. The recorded information can be called up at any time via the personal user account. A WLAN connection provides uninterrupted transfer of data.

Safe & Secure due to secure connections

As soon as the Plug&View security camera has been activated in the network and with a connection to the Internet it logs in to the cloud server by itself. When the user now calls up his account via myDigitus and logs in, the server connects the user with the desired camera – very simple per click on the respective device. Subsequently the cloud-server makes the IP-addresses of the to-be-connected devices available and the (mobile) end device establishes a direct and secure tunnel connection to the camera based on the information entered. That assures that no video contents are viewable by third parties and also that no personable image information is accessible via the Internet.

Various models – adapted to the respective applications



For the simple home use and an immobile observation object with steady location we recommend small first user models such as **Digitus OptiView**: The OptiView model is a compact elegant network camera with high video resolution (VGA 640x480), 4x digital zoom, MJPEG image compression and integrated microphone. The integrated IR-LEDs enable indoor monitoring even when it is dark. Due to the compact pedestal the camera can be placed anywhere in the room without problems. Also suitable for wall mounting.

The integrated micro SD slot allows storing videos and images on a storage device directly in the camera. The integrated microphone supports the transfer of surrounding noises and spoken language.



If you don't want to simply place your camera but rather mount it in a fixed location and if you need a higher image solution we recommend using models such as **Digitus OptiVision**. You may place the device or mount it on the wall or ceiling. The high video resolution of two megapixels and the H264 compression format generates a high-quality video with low network load. The HD Day & Night network camera assures additionally powerful monitoring at day and night with 25 images per second (720P). The camera features a 2-way audio function (3.5mm audio output and integrated microphone). The integrated card slot supports Micro SD storage cards up to 32GB



Even more convenient resp. flexibly usable are motorized cameras such as the swivelling and tilting **Digitus OptiArc**: The so-called Pan & Tilt HD camera has a detachable antenna and can be adjusted remotely - vertically up to 90 degrees and horizontally up to 270 degrees. Due to a wide pedestal and its swivel and tilt functions the camera allows viewing the entire room resp. various hotspots and is thus suitable in particular for detailed observation of large surroundings. The IP camera features the H264 compression format and secures with 25 images per second (720P). The camera also features just like the **Digitus OptiVision** 2 way audio function and a SD card slot.



For monitoring objects outdoors you may select special outdoor IP cameras such as the **Digitus Optimax**. The design of the robust device is perfect for outdoor operations and it is wind and weather proof (IP66). The device will be mounted vertically and monitors e.g. the entrance area of a home or the car fleet park at any time perfectly and remote. **Digitus Optimax** also features the H264 compression format and secures with 25 images per second (720P). The integrated Wireless LAN 802.11N Module is connected with an antenna that allows the use of directional antennas (DIGITUS DN-70102). The powerful IR-LEDs allow the outdoor monitoring in the dark within a radius of up to 10 meters.

The Plug&View System – a pre-view of expansions

The innovative Plug&View concept allows a simple and uncomplicated security concept for companies and private users. The online service myDigitus and the individual code of each camera establish a connection between camera and users; the cameras are ready for use within one minute. The Plug&View System thus guarantees security in real time – user can focus on everything that is important to them at any time – regardless where they are.

The further development of the Digitus Plug&View System will comprise of the hardware but also the software. So we consider employing a chat function as well as a release option for registered cameras for other users. In the hardware area the system will be extended with an audio/video event trigger camera. Furthermore, camera models with zoom lenses, PoE functionality and power line connections will follow. Network Video Recorders (NVRs) are in development and will complement our systems sensibly.

The growth potential for the Plug&View System is enormous – beside the video monitoring technology we also target the automation of light controls and energy management functions in commercial industries and also for private use. These functions can also be displayed via the Digitus Plug&View System and they can be expanded to the complete home/house automation technology.