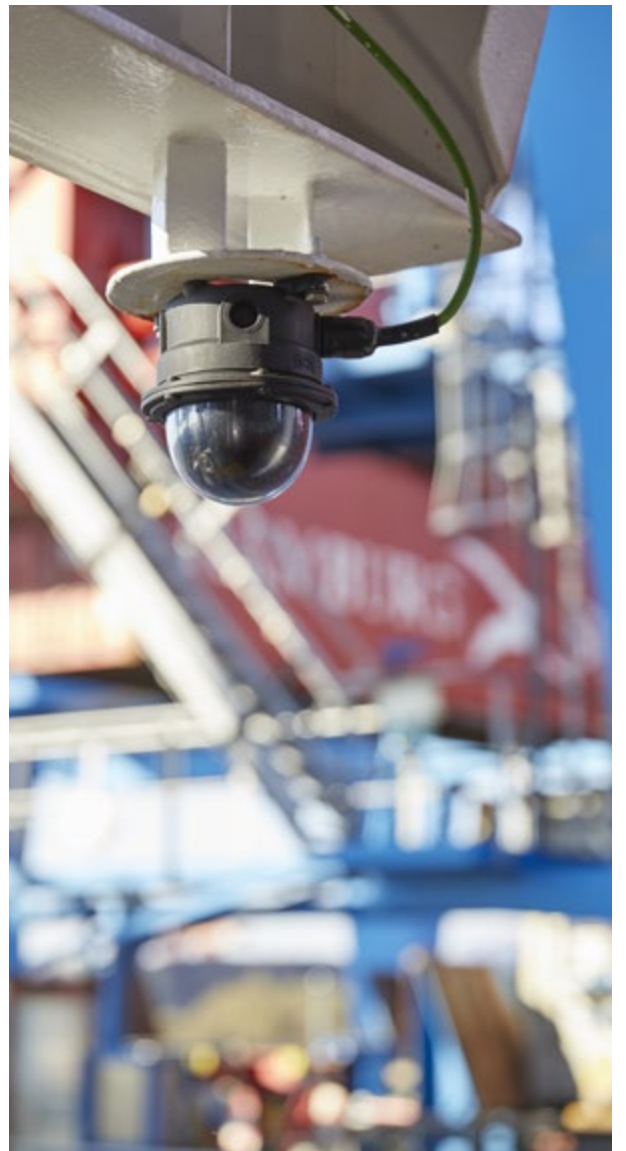


Maritime CCTV Solutions





Your expert for maritime CCTV video surveillance systems. From project engineering to commissioning.

For more than 20 years we have been developing and building CCTV video systems: Starting with extensive consulting services to meet your individual needs, engineers in our research and development department plan and design surveillance projects with our portfolio

of high quality cameras. In our onsite production facilities cameras are built, tested and taken into operation. An optional factory acceptance test and a worldwide commissioning service are available.

Consulting

Commissioning

Project Engineering

Your benefits when you work with us:

- Single source service – from engineering to commissioning
- Own production and laboratory on site in Germany
- High-resolution network cameras made of high-quality materials e. g. full stainless steel
- Comprehensive know-how and consulting
- Special solutions and specifications like function and product adaptations possible
- Factory acceptance test (FAT) available
- More than 20 years of experience in maritime CCTV video systems



Onsite production and laboratory in Germany

We commit ourselves to quality and sustainability. To enforce these values we maintain our own laboratory on site in Kaltenkirchen close to Hamburg that complies with international standards.

The permanent securing of our product quality but also the development of innovations are made possible by various testing instruments and equipment at our laboratory.

Our explosion-proof products e. g. undergo the following procedure: A climate cabinet allows for a simulation of environments from -75 °C to 185 °C with a humidity of up to 98 %. After simulating the ageing process of a camera in the climate cabinet it undergoes the impact test. Different weights are subjected to the product from various heights. No fractures are allowed to originate from the impacts. This is enforced by the following IP test by subjecting various degrees of water pressure onto the

product and putting it for a certain time inside the dust test chamber – without any particles being allowed to get inside.

With our own laboratory we can constantly ensure that our cameras and products are able to resist the roughest conditions and are made for the use in even the most demanding environments. To secure quality also the organisation of work flows and testing procedures is strictly defined and complies with international standards. Audits on a regular basis by certifying institutes like DNV, PTB, VDE, BSH and IEC-EX validate the constant high quality. The IECEx approval emphasises again our enhanced competence for products in highly demanding hazardous areas.

Besides quality, sustainability and environmental protection are a key interest of us, therefore we comply with international standards as certified by DNV.



We are your partner for Shipbuilding & Offshore



LED Multi-purpose luminaires



Searchlights



VARITAIN® Reefer container sockets

CCTV on board



1

Gangway / Entrance access

The high resolution cameras allow for a detailed view of the gangway to check the entrance. By monitoring the gangway an effective check for unauthorised persons is made possible. In case of very high and steep gangways surveillance cameras can also help detecting hurt people at an early stage.

2

Mooring / Winch area

CCTV video surveillance ensures the health of personnel working in the dangerous mooring and winch areas. The possibility of permanently checking these sensitive areas also enables the early detection of stowaways or of potential damages.

3

Navigation support

In accordance with classification societies the observation of blind spots which cannot be seen from the bridge e. g. in mooring process is made possible by CCTV surveillance systems. While on a journey cameras help checking the exact position of the vessel: For example, when going through canals like the Suez Canal CCTV systems allow for an exact assessment of the vessel's position, thereby preventing potential damage e. g. by quay walls.

4

Bunker station

With video surveillance you get a full overview during the whole bunkering process. This way you are always able to check that no sparking or leakages evolve.

5

Engine room

In this sensitive environment with flammable fluids like oil and grease a fire can be especially disastrous. With CCTV you can see smoke development at an early stage to prevent a fire from getting started. Also false alarms can be identified. With strong vibrations and heat building the engine room is an extremely demanding environment where cameras have to meet especially high requirements.

6

Anti-Piracy / Citadel

In the worst case of a piracy attack monitoring the whole vessel from inside the secure citadel allows for a realistic assessment of the situation.



Safety and security for your vessel, wind park or oil rig

CCTV video surveillance ensures the safety and security of personnel, machinery and goods.

Safety: Ensuring health of personnel

Nowadays teams of less and less crew members work on huge vessels. Therefore the health of your personnel can only be ensured when you have your eyes in the most dangerous and even most isolated areas, e. g. the mooring and winch area, passage ways, steering gear rooms or car decks.

Security: Early detection of threats for machinery

On vessels and oil rigs CCTV video increase security enormously by making a permanent control of sensitive areas possible. They allow an early assessment of a potentially dangerous situation by showing smoke development or giving a first indication of a false alarm. In case of fire or malfunctions threats for machinery can be identified at an early stage and further damage can be prevented.

Legal protection in case of damaged goods

Due to their authenticity and unchangeability CCTV recordings count as evidence in legal cases. In case of legal disputes CCTV can be the decisive argument proving your point in court.

Surveillance of external services

CCTV cameras allow a full overview of the bunkering process with all its details like its duration or potential leakages.

Effective control of unauthorised (BE) personnel

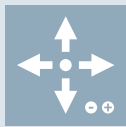
Blind spots or isolated areas offer stowaways or unauthorised personnel opportunities to hide or access sensitive areas. CCTV allows for an effective control of all areas that are of importance to you.

Early detection of piracy attacks

In case of piracy attacks monitoring the vicinity from the secure citadel allows an early assessment of the situation.

Features of the CCTV video surveillance systems

Our video surveillance systems are distinguished by various benefits for your advantage. Besides our high quality products made of seawater resistant materials, our software convinces by its easy handling and its compatibility to third party systems.



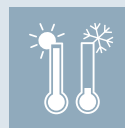
Pan-tilt-zoom and preset function



Seawater resistant materials



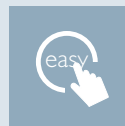
IP network cameras



Made for use in extreme temperature environments



Wash and wipe



Easy-to-use security system



Indoor and outdoor cameras



Interface to third party systems



IP66, 67 and 68 tested



Expandable client software



New Camera Series CS-S



COM4SHIP® CCTV Server

Cameras for your needs

We offer miscellaneous high quality cameras for indoor and outdoor usage. All are characterised by their perfect adaption to rough environments.



Full stainless steel camera series

Our high quality cameras made of full stainless steel are perfectly adapted to withstand roughest outdoor conditions like seawater and vibration. Available as standard, thermal, low-temp or arctic versions. In fixed or with pan-tilt performance and equipped with wash-wipe, 4MP camera, high performance zoom and endless rotation.



Explosion-proof cameras

We offer explosion-proof cameras with an integrated connection compartment that makes an additional junction box unnecessary. Our explosion-proof product range is distinguished by no external cabling. Wash-wipe and pan-tilt-zoom functions are available. The product range includes explosion-proof camera stations as well as dome cameras for zone 1.



Thermal cameras

Thermal cameras for night vision can be used in extreme temperature environments. WISKA offers miscellaneous camera stations, either fixed or on pan-tilt unit. Also a combination with a daylight camera is possible.



Searchlight and camera combinations

As a manufacturer of maritime lighting we also offer combined units of cameras with our high quality searchlights.



Dome cameras

Our product range includes dome cameras made of various materials for indoor and outdoor use, fixed or with pan-tilt-zoom.



About WISKA

Founded in Hamburg in 1919, we are today one of the leading manufacturers of electrical equipment, lighting products and CCTV video surveillance for electrical trade, industry and shipbuilding. We operate our own research and development facilities and production plants next door at our headquarters in Germany. Our global sales network of representatives and subsidiaries ensure a quick and personal on-site customer service for you. The WISKA Group today employs 310 people worldwide.

Your expert for good cooperation and best quality products.
All products on **www.wiska.com**

WISKA Hoppmann GmbH
Kisdorfer Weg 28
24568 Kaltenkirchen
Deutschland

contact@wiska.de
www.wiska.com