

120° Day & Night Vision System for Army Applications



The AN/VSS-502 next generation digital military driver sight system was designed by Wärtsilä in Germany according to the armed forces' requirements and meets all military standards. Wärtsilä has extensive experience in and an excellent track record of night vision equipment since 1962.

The driver sight system fit for MBTs, APCs, AFCs, and special purpose vehicles. It can replace former image intensifying driver night sight systems, day sight periscopes or other camera systems.

It consists of state-of-the-art sensors and electronic components designed under the measures of the latest available technology.

The components are selected to fulfil the requirements of MIL-STD 810 and MIL-STD 1275 equipment. The electronics and sensors are housed in a modular body which is protection class IP68K.

It is extremely robust, reliable and well protected against harsh environmental

conditions, such as shock, vibrations, high and low temperatures, water, sand and dust.

In the standard configuration, the system is equipped with high resolution camera sensors, long wave infrared and CMOS.

It is available with up to 4 different camera sensors and technologies. All 4 camera images are processed in real-time and displayed to the driver and optionally to the vehicle commander.

Customer specified options are available on request.

For Military Vehicles

Key features:

- Fully digital system
- Modular system with 4 x advanced sensors
- 120 ° horizontal field of view
- Extended DRI range (Detection Recognition Identification)
- Optional ballistic protection (for the external camera housing)
- Various software features
- Passive sensors
- Various sensor technologies can be integrated and combined (IR, I²CMOS, EB CMOS, WDR CMOS, SWIR).



