

## Monochrome Day & Night Wide Angle Vehicle Mounted Camera with Remote Controlled Wiper, Protective Door and Iris

type number 00862



### Main Features:

- Ultra low light camera produces clear images on both day and night conditions. The camera can automatically change between day and night modes of operation depending on the intensity illumination.
- No need for artificial illumination in the night mode
- Superior light sensitivity comparable to Image-Intensified CCD cameras is attained by forward looking video processing inside the CCD-Sensor.
- Main advantages over Image-Intensified CCD cameras are:  
excellent daylight performance and image sharpness, reliability, long lifetime and better price-performance ratio.
- applicable as rear view camera and for observation of vehicle surroundings
- Rugged, mud-proof, water-proof and extremely shock and vibration resistant camera housing for use under harsh environmental conditions as in armoured wheeled or tracked military vehicles
- Remote operated door protects the objective lens when camera is not in use.
- Objective lens window cleaning with durable wipe blade on the back side of protective door

### Optional Accessories:

- Various displays and video distribution units with integrated camera remote control
- Mounting adapters and wiring harnesses for various vehicles

Ask for further technical information!

Functional or interface modifications can be realized on request. Each configuration change causes a new type number.

### Technical Data:

Sensor type:	1 / 3" EXview HAD B & W CCD
Active pixels:	752 x 582 (H x V)
Video standard:	CCIR / STANAG 3350B (EIA / STANAG 3350C version on request)
Video output:	VBS 1 Vss / 75 Ω
Horizontal resolution:	570 TVL
Exposure control:	Shutter iris Automatic gain control Motorized, remote controlled iris
Sensitivity (day):	0.3 Lux for 48 dB SNR, 40 IRE
Sensitivity (night):	0.00025 Lux for 20dB SNR, 40 IRE
Standard lens:	f = 2.3 mm; F = 2 ~ 32
Angle of view:	114° H / 86° V (another angle of view on request)
Basic remote control:	Basic functions (camera on / off, lens cleaning and closing protective door) via discrete control input
Advanced remote control:	Full remote control and Built-In Test via CAN-Bus
CAN-Bus:	Version 2.0B (SAE J1939) protocol CAN-Open or CUP
Connector:	VG95234A20A48PN
Power supply:	24 V DC according to VG 96916-5
Power input:	< 25 W
Temperature:	-40 °C to +72 °C (operating) -40 °C to +90 °C (storage)
Dimensions:	178 x 90 x 141 mm (W x H x D)
Weight:	approx. 2.2 kg
Color:	RAL 6031 bronze green or TBD
EMC / EMI:	VG 95373 (MIL-STD-461E on request)
Protection:	IP 68 (immersion depth up to 4 m)
Shock / Vibration:	MIL-STD-810E

Picture of customized camera version published with permission of Rheinmetall Landsysteme GmbH