



Monochrome Vehicle Mounted Camera with Objective Window Heating

type number 01012



Main Features:

- applicable as rear view camera and for observation of vehicle surroundings
- Rugged, water-proof and extremely shock and vibration resistant camera housing for use under harsh environmental conditions as in armoured wheeled or tracked military vehicles
- Superior light sensitivity and resolution
- Heating for quick de-icing of the objective lens window with a variety of configuration possibilities:
 - automatic heating at low temperature
In this case, heating can be inhibited to make the camera invisible for enemys infrared cameras.
 - Heating switchable by display with time function
 - Heater connected in parallel to the heating of outside rear view mirror or windscreen switched by mirror / windscreen de-ice timer relay or temperature sensor.

Optional Accessories:

- Displays with integrated camera power supply and remote control for camera de-icing
- Mounting adapters and wiring harnesses for various vehicles
- Video distribution units
- covert IR lighting (invisible to the human eye)

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 / 4" Sony 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:	520 TVL
Exposure control:	Shutter iris and AGC
Sensitivity:	0.7 Lux for 48 dB SNR, 50 IRE
Standard lens:	f = 3.0 mm; F = 2
Angle of view:	71° H / 50° V (Another angle of view on request)
Connection:	Shielded cable with SJTG06RT08-35PN014 plug
Power supply:	12 V DC +/-10 %; 2 W by drivers display (Versions with 24 V DC or 12 V DC automotive power supply conforming to VG 96916-5 or MIL on request)
Objective lens heating:	12 V DC or 24 V DC / 6 W
Temperature:	-40 °C to +63 °C (operating) -40 °C to +90 °C (storage)
Dimensions:	146 x 85 x 100 mm (W x H x D)
Weight:	approx. 1.3 kg
Color:	RAL 6031 bronze green or TBD
EMC / EMI:	VG 95373 (MIL-STD-461E on request)
Protection:	IP 68 (immersion depth up to 2 m)
Shock / Vibration:	MIL-STD-810E