



Ruggedized B & W Ball Camera for Vehicles and other Outdoor Military Applications

type number 00942



Main Features:

- Rugged monochrome high resolution compact camera for operating under harsh environmental conditions as in armoured wheeled or tracked military vehicles
- Applicable for drivers rear, front or side view
- Extremely shock and vibration resistant waterproof housing
- Reinforced black plastic bracket allows flexible alignment of viewing direction
- For rear view, picture can be simply mirrored by reversing of the power supply polarity

- 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.

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 V _{ss} / 75 Ω
Horizontal resolution:	520 TVL
Exposure control:	Shutter Iris and automatic gain control
Sensitivity:	0.5 Lux / 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
Temperature:	-40 °C to +71 °C (operating) -40 °C to +90 °C (storage)
Dimensions:	ball-diameter 55 mm center of sphere 40 mm about mounting surface
Weight:	ca. 500 g
Material / Surface:	anodized Aluminium
Color:	Black
EMC / EMI:	according to VG 95373 (MIL-STD-461E on request)
Protection:	IP 69k according to EN 60529
Shock / Vibration:	MIL-STD-810E



Not recommended for new design!

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Optional Accessories:

- Rain- and sun protection shed
- Tree protector
- Cleaning nozzle
- Displays with integrated camera power supply and remote control for wash pump and camera de-icing
- Camera power supply for land vehicle 24 V DC Network conforming to standard VG96916-5
- 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.

page 2 of 2