

Model: RVS W 666, Part No.: 1524000077

While reversing HEMM like dumpers and tippers used in mining are not free of the possibility of hazardous accidents at the rear end. Several accidents have occurred in opencast mines while reversing equipment.

Though Audio- visual alarm and rear-view mirrors are safety items available to control this kind of accidents, but they do not give clear view of the rear side of the vehicle. It is a practice in mines that the operator takes assistance of the spotter while reversing. At times, the spotter may commit a mistake in haste which causes accident or he himself may be exposed to the danger of being crushed by the vehicle.

Rear Vision System with the help of Camera & Monitor delivers clear view of the rear to the operator and thereby achieves zero accident target for mining vehicle.

ACHIVE THE ZERO ACCIDENT TARGET



The System provides:

- 1. LCD Monitor:** To provide good quality video picture in nearly pitch dark and poor weather conditions transmitted by camera on the monitor screen before the operator.
- 2. Infra-Red Day & Night Camera:** To provide clear picture of the object situated at the rear side of vehicle. Infra-Red LED: to provide sufficient illumination on the object to enable Camera to provide sharp & clear picture even in dark.
- 3. Power Supply Switching Unit:** To provide power to the electronic circuit switch on the screen / Camera as soon as the reverse gear is applied.

Camera & Infra-red LED are fitted on the rear of the vehicle, whereas Monitor is installed before Operator in his cabin.

The System is actuated with reverse gear mechanism of the vehicle and functions only while reversing. It does not distract operator or interfere with the operator's safe operation of the vehicle in normal forward running.

All the components of system are installed properly in water proof, shock proof & vibration resistant case suitable for high pressure washing. They are mounted with the suitable arrangement to adjust for according to vehicle heights so as to have clear view of rear which helps operator to avoid any accident.

The system operates on 24/12 V DC supply available within the vehicle itself. The components are connected with suitable high-quality extension cable having detachable waterproof 4-pin connector.

**TECHNICAL SPECIFICATIONS OF CAMERA****DESCRIPTIONS****WITHOUT AUTO SHUTTER CAMERA**

Image Device	1/3" SHARP CCD
TV System	PAL
Effective Pixels	512 x 582 Pixels
Sensing Area	4.9 mm x 3.7 mm
Sync. System	Internal
Resolution	420 TV Lines
Horizontal Sync Frequency	15.625 kHz
Vertical Sync Frequency	50 Hz
Video output	1.0 Vp-p, 75 Ohm
Weight	622 gm.
Dimension(mm)	W125 mm x H 85 mm x T 70 mm
Day/Night sensor	18 Infra-Red LED for night vision
White Balance	Auto
Operating Temperature	-20°C~70°C, RH 95% MAX.
Waterproof rating	IP69K
Viewing Angle	120°
Minimum Illumination	0.1 Lux
Night vision distance	8~10m
Image mode	Mirror/Normal image switch
Plug	4 Pin lock connectors

TECHNICAL SPECIFICATIONS OF MONITOR

Display device	Digital TFT-LCD
Screen Size	7" Wide Screen
Display Format	16:9
Pixel	800*480
Power Consumption	5W Max.
Power Supply	09-24VDC
System	PAL/NTSC auto switch
Weight including stand	660 gm.
Mirror/normal image switch	Available
Dimensions (mm)	W 175 x H 120 mm x T 55 mm
Contrast	350:1