

RP 500 Series Dome Cameras

For Mobile Transportation Applications

RP 500 Series dome cameras are robust and reliable digital video solutions for buses, trains, light rail, and other mobile transportation applications.

The RP 500 Series is built to deliver clear, crisp images under virtually any lighting conditions. A compact and rugged polycarbonate housing makes these cameras resistant to vandalism, with rounded edges to protect against passenger injury.

Designed for round-the-clock operation, mobile cameras capture up to 470 TV Lines (TVL) color and 570 TVL black-and-white, automatically switching from color to black-and-white in low light conditions.

The RP 500 Series is part of comprehensive suite of mobile video solutions for transportation systems.

KEY FEATURES

- ✓ Rugged, vandalism-resistant polycarbonate dome housings
- ✓ Suitable for train and bus installations — Can be wall or ceiling mounted
- ✓ High resolution: up to 470 TVL color, 570 TVL black and white
- ✓ Supports day and night operation
- ✓ Specially constructed to withstand vibration of mobile environments
- ✓ Easy installation

SAFE ON THE MOVE™

Verint helps transportation providers protect people and property, refute false claims, and reduce frivolous lawsuits.

RP 500



Designed for highly reliable operation in demanding transportation environments, Mobile Video Solutions readily address the challenges of continuous vibration, extreme temperatures, and frequent power fluctuations.

	RP 505K	RP 506K	RP 506L
CCD Sensor	1/3" Sony Super HAD Interline CCD	1/3" Sony Exview Interline CCD	1/3" Sony Super HAD Interline CCD
Max. Pixels (H X W)	CCIR: 752 x 582 EIA: 768 x 494	PAL: 752 x 582 NTSC: 768 x 494	PAL: 752 x 582 NTSC: 768 x 494
Horizontal Resolution	570 TV Lines	470 TV Lines	470 TV Lines
Min. Illumination]	0.0075 lux at the sensor / 0.15 lux @ F2.0	0.015 lux at the sensor / 0.3 lux @ F2.0	0.02 lux at the sensor / 0.4 lux @ F2.0
Scanning System	CCIR: 625 lines; 50 Hz EIA: 525 lines; 60 Hz	PAL: 625 lines; 50 Hz NTSC: 525 lines; 60 Hz	PAL: 625 lines; 50 Hz NTSC: 525 lines; 60 Hz
Enhancer	Yes	Yes	Yes
Gamma Correction	0.45	0.45	0.45
Electronic Shutter	Automatic CCIR: 1/50-1/100,000 sec. EIA: 1/60-1/100,000 sec.	Automatic PAL: 1/50-1/100,000 sec. NTSC: 1/60-1/100,000 sec.	Automatic PAL: 1/50-1/100,000 sec. NTSC: 1/60-1/100,000 sec.
Signal to Noise Ratio	46 dB (AGC off)	46 dB (AGC off)	46 dB (AGC off)
AGC	30 dB	30 dB	26 dB
Synchronization	Internal	Internal	Internal
Backlight	Automatic	Automatic	Automatic
Spectral Response	380 - 1000 nm	380 - 660 nm	380 - 660 nm
Smear Effect	0.01%	0.005%	0.01%
Video Output Signa	Monochrome BAS 1Vpp / 75 Ohm, BNC	FBAS 1Vpp / 75 Ohm, BNC	FBAS 1Vpp / 75 Ohm, BNC
Operation Voltage	12V/DC (DC 8.0-15.0 V)	12V/DC (DC 8.0-15.0 V)	12V/DC (DC 8.0-15.0 V)
Consumption	Maximum 2W	Maximum 2W	Maximum 2W
Ambient Temperature	14°F to +122°F	14°F to +122°F	14°F to +122°F
Air Humidity	Up to 90%	Up to 90%	Up to 90%
IP Rating	IP41, class III	IP41, class III	IP41, class III
MTBF	80,000 hours	80,000 hours	80,000 hours
Housing	Dome camera with clear dome bubble	Dome camera with clear dome bubble	Dome camera with clear dome bubble
Connectors	Terminal block, wiring cable	Terminal block, wiring cable	Terminal block, wiring cable
Weight	0.77 lbs or 1.21lbs including mounting ring	0.77 lbs or 1.21lbs including mounting ring	0.77 lbs or 1.21lbs including mounting ring
Mounting	Ceiling or wall mount	Ceiling or wall mount	Ceiling or wall mount
Lens	2.1mm; 2.9mm; 3.6mm; 4.3mm; 6mm; 8mm	2.1mm; 2.9mm; 3.6mm; 4.3mm; 6mm; 8mm	2.1mm; 2.9mm; 3.6mm; 4.3mm; 6mm; 8mm
Dimensions (D/H)	4.29" / 2.95"	4.29" / 2.95"	4.29" / 2.95"

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