SHR-LV500 Laser Night Vision Camera

Main Features

- ➢ Adopts multi quanta array laser coupling and lens wave guide fiber homogenization, elimination of laser speckle, illumination more uniformity
- ➢ Adopts digital processor, analyze focal length and outside controlling information; lighting spot can be simultaneously zooming or independently adjusted; simultaneous pre-setting bits about pan-tilt, lens zooming and lighting spot
- ➢ Special laser power circuit, slowly power supply, effectively avoid power peak and prolong the lifetime of illuminator
- ➢ Adopts imaging lens and laser lens; many AR coating; high penetrating rate at 85%
- ➢ Pre-setting bits; scanning; automatic cruising; keep watching function
- ➢ Customization: No red glow; anti-explosion; automatic focus

Main Use

- ➢ Frontier and coast defence, Military/Police, Border defense

- ➢ Oilfields, Railways, Airports, Harbors, Fireproofing, Large areas real-time monitoring

Technical Indicators

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Effect distance	500M at night, 1000M at daytime
Infrared Camera	1. Power: 4W 2. wave length: 810nm 3. illuminating angle: 1~17°; continuous changing 4. light uniformity: MQMM fiber mixed model

Laser lens	1. 20 mm laser lens 2. F 2.0
Laser power	1. Two circuits drive 2. stable voltage and stable current 3. power on for 1s
Imaging components	1. 1/3" infrared enhancement CCD 2. Integrated ICR double filters switch day and night; color/black white/automatic/outside control adjustable 3. pixel：752X582 4. resolution: color 540 lines, black & night 600 lines 5. illumination: 0.02lux (color), 0.0009lux (black white)
Imaging Lens	1. Focal length: 11～200mm, 2. F: 1.9～360 3. FOV: 32.1～1.9°
Intelligent simultaneously control	SSZ intelligent control independent adjusting laser illuminator
Axis adjusting structure	1. Adjust: MMA Outside, presetting windows 2. Precision: 0.01°
Cover	1. high precision aluminum alloy shell 2. window glass: microlite optical glass 3. multilayer AR film 4. PTA dope 5. IP66
Power supply	AC220V±10%
Consumption weight	1. Total power consumption: 50W 2. weight (including pan-tilt): 18.5kg
Interface	1. Control: RS485 Controlling signal

	2. Power supply: AC220V/customizing 3. BNC video output
Environmental indicator	1. Working temperature: -25℃~+55℃ 2. Storage temperature: -40℃~+65℃ 3. Humidity: <90% 4. Anti-vibration: 15m/s^2 5~200Hz 5. Anti-impact: 150m/s^2 11ms 6. Anti- saltfog: continuously spraying for 48hours under PH of 6.5~7.2
Pan-tilt decoder	1. Load weight: 17kg 2. rotate 360° horizontally, up and down +10°～-60° 3. speed: 0.1°~9°/s horizontally; 0.1°~4°/s vertically 4. 255 presetting bits 5. 8 tracking paths 6. IP66 7. PELCO D/P; baud rate optional