

NC-R550

High-sensitivity Color Camera



The NC-R550 delivers high-quality, full-color video images even in full darkness. Incorporating three EM (electron-multiplying) CCDs, it offers sensitivity and quality ideal for outdoor nighttime surveillance in harbors, airports, refineries, etc. Daytime image quality is comparable to broadcast cameras.

Images are captured in full color even at 0.0003 lux

High sensitivity

- Clear full-color images are captured in lighting as low as 0.0003 lux.
- An IR pass filter and near-infrared floodlight further raise nighttime sensitivity.

High image quality

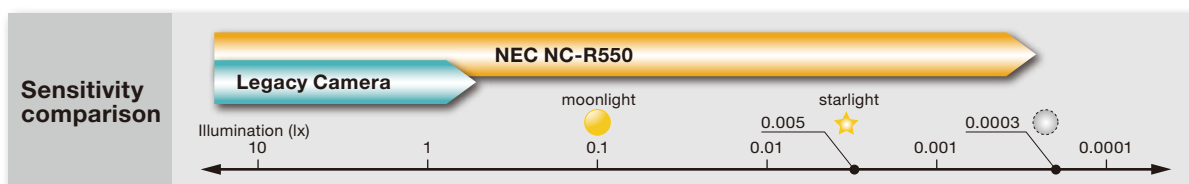
- Camera settings are automatically optimized to match lighting conditions.
- Auto white balance contributes to accurate nighttime color reproduction.
- An ND filter contributes to outstanding broadcast quality in the daytime.

Low noise

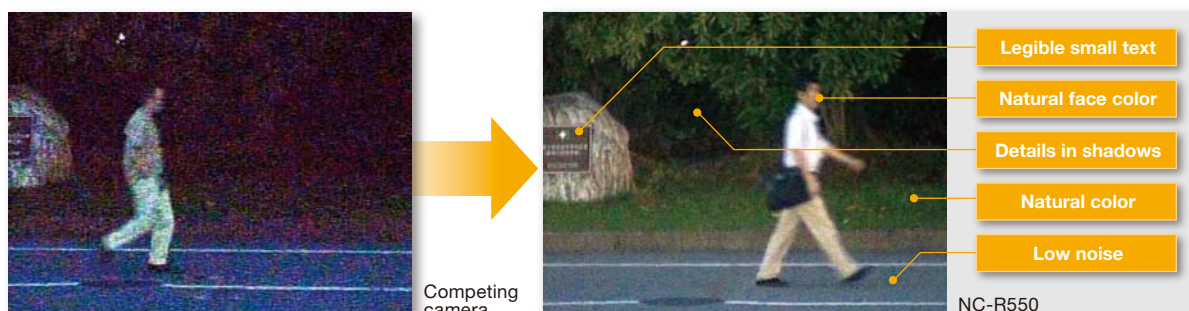
- Weak signals are multiplied by the CCDs before output amplification.
- Advanced noise reduction is microcomputer controlled and user adjustable.

Other benefits

- New LSI circuits and digital signal processing enhance functionality and stability.
- 10x digital zoom offers responsive stepless magnification adjustment.
- Multiple camera settings can be saved as presets for later use.



Superior color image quality in the dark



Applications

● Harbors



● Airports



● Nuclear plants



● Petrochemical complexes



NC-R550 Specifications

| | |
|---|--|
| Color system | NTSC |
| Image pickup device | Electron multiplying frame inter-line transfer method CCD |
| Imaging method | 3-panel (R, G, B) method |
| Sensitivity (typical) | F11/2000lx (reflectance ratio of 89.9%) |
| Lowest subject illuminance | Moving image 0.0003lx (F1.4, gain + 90 dB, D.GAIN ° - 2) |
| | Still image 0.000003lx (F1.4, gain + 90 dB, D.GAIN ° - 2, storage 128 times) |
| SN ratio (typical) | 65 dB (NR ON) |
| Resolving power (typical) | 800 TV lines (typical) |
| Sensitivity changeover | Gain 0 to +90 dB |
| | Storage time ° - 2 to ° - 128 |
| | D.GAIN OFF, ° - 2 |
| Electronic shutter | OFF, 1/100, 1/125, 1/250, 1/500, 1/1000, 1/2000 |
| | VAR 1/61.70 to 1/1967 |
| Digital zoom | x10 |
| Color bar | Built-in |
| Contour correction | Horizontal: 2H, Vertical: 2H |
| Linear matrix | Built-in |
| Auto white balance | Operable in both standard and storage modes (except for low level) |
| | Equipped with full-auto balance that follows normal imaging conditions |
| Auto black balance | Operable in both standard and storage modes |
| Electrical color temperature conversion | 3200 K, 5600 K |
| Power supply | +12 VDC ±10% (50 W or higher) |
| Operating temperature | -10°C to +45°C |
| Outside dimensions | 110 (W) ° - 115 (H) ° - 219 (D) (mm). |
| Weight | Approximately 2 kg |

Sale and delivery of the NC-R550, a strategic commodity, requires an appropriate export permit from the Japanese government in compliance with Japan's Foreign Exchange and Foreign Trade Control Law.

Option



Optional Outdoor PTZ Head (NT-S962)

- Includes a 35x magnification lens for long-distance nighttime color surveillance in the dark.

● Designs and specifications of products shown in this catalog may change without notice due to product improvements.

For further information, please contact:

NEC Corporation,
National Security Solutions Division

7-1, Shiba 5-chome
Minato-ku, Tokyo 108-8001, Japan
Phone: +81-3-3798-5432
Email: ps-globalweb@nss.jp.nec.com