

Environmental Report

Eco-products (eco-friendly products)

Eco-friendly products of fiscal 2006

Vertical QTAT Diffusion/LPCVD System 「QUIXACE®」

- 1) Power consumption of the system was reduced by 13% by throughput enhancement through fast temperature recovery technology.
- 2) Weight of the system was reduced by 17% by a design optimization.
- 3) Less packing materials, electronic paperless operation manuals.



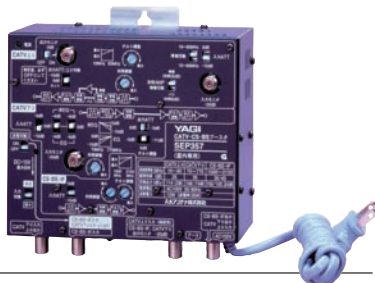
2-million-pixel industrial CCD camera 「KP-F230SCL」

- 1) Environmental conservation: Compliant with the RoHS Directive^{*1}
- 2) Smaller size: 80% smaller
- 3) Lighter weight : 75% lighter
- 4) Power consumption : 50% lower



CS·BS-IF/770 MHz bidirectional CATV booster 「SEP357」

- 1) Power consumption : 9% lower
- 2) Disassemblability/disposability: 12% higher



YAGI ANTENNA INC.

Ultrasonic Generator 「UO1200PMCX」

- 1) Environmental conservation: Compliant with the RoHS Directive
- 2) Power consumption : 25% lower
- 3) Lighter weight : 32% lighter
- 4) Smaller size : 30% smaller



Hitachi Kokusai Denki Engineering Co., Ltd.

* The changes in percentage are from conventional models.

The Hitachi Kokusai Electric Group develops products with its unique "eco-friendly design assessment" based on the concept of eco-friendly design in order to minimize the environmental loads of products in various stages of the product life cycle (materials → production → distribution → usage → recovery and disassembly → proper disposal).

The Group defines eco-friendly products as those that excel in eco-friendliness where each category of "eco-friendly products" scores at least 2 out of 5 points as standard, and with a total average of at least 3 points."

Category	Life cycle stage	Assessment criteria
Resource reduction	Selection of component materials, production, and distribution	Resource conservation, compactness, lightweight, conformity, high yield, standardization
Product longevity	Usage	Upgradability, ease of repair and maintenance, durability, reliability
Resource recycling	Reuse, distribution	Reusability, conformity/labeling of component materials, use of recycled materials, promotion of resource recycling
Ease of disassembly	Disassembly	Ease of disassembly, materials, ease of sorting, labeling of materials
Ease of processing	Production, distribution, disassembly	Crumbing, fragmentation, disassembly and separation, ease of processing
Environmental safety	Materials, production, distribution, usage, disassembly, disposal	Potential toxicity, potential harmfulness, explosiveness, potential hazard
Energy conservation	Usage, production	Energy conservation, longer durability, energy efficiency
Provision of information	Usage, disassembly, disposal	Provision of information regarding processing, provision of information regarding product disposal

Editor's postscript

Thank you very much for reading the Hitachi Kokusai Electric Group CSR Report 2007. We warmly welcome your comments and opinions by answering the specified questionnaire or sending us e-mail, telephoning directly, or otherwise contacting us. We wish to make this report even better by joining forces with all our stakeholders. We therefore hope for your continued support and attention.



Questionnaire for the CSR Report 2007

http://www.h-kokusai.com/global/corporate/er/quest_2007.html