



Next-Generation Products and Services

Throughout the product lifecycle from raw material production, manufacturing and customer use to final disposal, we work to reduce the impact of products on the environment.

Eco-Products (Hitachi Eco-Products)

Hitachi Eco-Products for fiscal 2013

Our Group develops our products so as to minimize product impact on the environment through a product's life cycle. In fiscal 2013, we newly registered Eco-Products in 43 models and twelve services. Followings are representative Hitachi Eco-Products registered in fiscal 2013.

Products

Digital in-vehicle receiver for fire-fighting and rescue communication

EMR-00JFV

- (1)CO₂ emission (whole life cycle)
50 kg-CO₂ : 43% down
- (2)New resource level : 58% down
- (3)Annual power consumption: 33% down
- (4)Warming prevention factor : 2.1
- (5)Recyclability factor : 2.5
(compared with EMM-05JFW marketed in 2011)



FOMA Ubiquitous Module® Eco-Products Select FOMA® UM03-KO

- (1)CO₂ emission (whole life cycle)
2 kg-CO₂ : 11% down
- (2)New resource level : 1% down
- (3)Annual power consumption: 13% down
- (4)Warming prevention factor : 21.1
- (5)Recyclability factor : 18.9
(compared with FOMA® UM01-KO marketed in 2005)



Note: FOMA® and FOMA Ubiquitous Module® are the registered trademarks of NTT Docomo, Inc.

HDTV camera Z-HD6000

- (1)CO₂ emission (whole life cycle)
4,967 kg-CO₂ : 28% down
- (2)New resource level : 14% down
- (3)Annual power consumption: 67% down
- (4)Warming prevention factor : 1.6
- (5)Recyclability factor : 1.4
(compared with SK-3200P marketed in 2001)



Network camera KP-IP1000SL

- (1)CO₂ emission (whole life cycle)
263 kg-CO₂ : 24% down
- (2)New resource level : 87% down
- (3)Annual power consumption: 4% down
- (4)Warming prevention factor : 2.3
- (5)Recyclability factor : 13.7
(compared with KP-IP110 marketed in 2008)



Services

Maintenance of products

We support the maintenance of monitor camera systems while considering the environment.

We prevent human errors by furnishing with procedure manuals, and improve work efficiency and save resources.

- (1) Resource saving : 10% reduction in the duration of maintenance work
- (2) Long-term use : Suggestion of periodic replacement of parts
- (3) Recyclability : 10% increase of the ratio of the recycled maintenance materials usage
- (4) Maintenance : Edition of procedure manuals for preventing accidents
- (5) Energy-saving : Adoption of energy-saving devices and technologies
- (6) Information provision : Notification of the timing of the replacement of consumables



Repair of products

We repair the device for a broadcasting system while considering the environment.

We regularly revise repair manuals, to prevent mistakes and improve work efficiency and reliability.

- (1) Resource saving : 20% down in the duration of repair work
- (2) Long-term use : All repaired products undergo a specified temperature test. Suggestion of periodic replacement of parts
- (3) Recyclability : Adoption of reusable containers, and reuse of buffering agents
- (4) Maintenance : Edition of procedure manuals for improving repair quality
- (5) Energy-saving : Use of energy-saving devices
- (6) Information provision : Notification of the timing of the replacement of consumables



Eco-Products Select

Eco-Products Select refers to a product (falling under Hitachi Group Eco-Products) that offers particularly high environmental efficiency in terms of the extent of reducing greenhouse gas emission and consumption of resources, thereby raising the value of said product.

Specifically, any product that satisfies at least one of items 1 to 4 below is the candidate for an Eco-Product Select.

1. Global Warming Prevention Factor or Resource Factor of 10 or higher
2. Top class in the industry
3. Awarded an external commendation or public certification
4. CO₂ reduction ratio of 50% or higher as compared to products in fiscal 2005

In fiscal 2013, we certified the FOMA Ubiquitous Module® shown above as Eco-Products Select.