

Bright and clean EIZOs EcoView system

Up to now, users never really worried about the brightness on their monitor – and the thus related energy consumption. Probably because most of us never saw the direct connection between brightness and the energy consumption. This is why most monitors are continuously used at high brightness. In order to obtain optimal efficiency in energy consumption whilst offering optimal brightness, EIZO have developed their EcoView system.

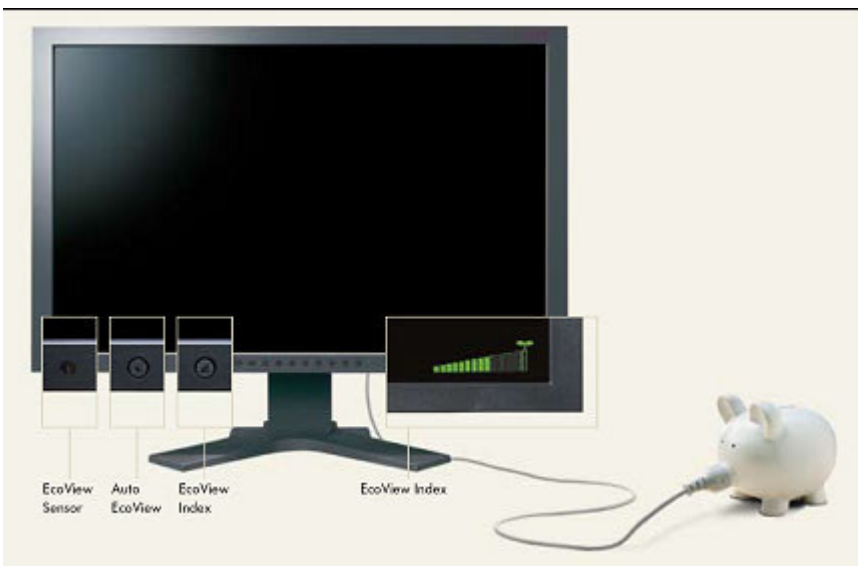
In times where energy costs are increasing and everyone is encouraged to limit the growth of energy consumption, the demands for IT equipment to become more economic in cost of use are increasing. Ideally economic technology can thus generate a better return on investment, especially for companies that strive to keep equipment in use much longer.

During the day, the light conditions around a monitor change frequently. If one could adapt the monitor's brightness to it, one would be able to economize up to 50% of energy. For every device with a regular consumption of 100 Watt the gain on an annual basis would add up to 104 kWh.

With a CO₂-coefficient of 0,555 kg CO₂/kWh this means 58 kg less CO₂ burden for the environment. And that with only one monitor. For 10 monitors over 5 years of use the gain in CO₂ emission would already be 2,9 tons.

Potential gain with EcoView		
Power consumption	Year	5 years
without EcoView in kWh	208	1040
with EcoView in kWh	104	520
Gain with EcoView	Year	5 Years
Energy in kWh	104	520
Energy cost in €	20	100
CO ₂ in kg	58	289

This example for only one device is based on a power consumption of 100 Watt without EcoView and 50% economy with EcoView. The duration of the use is calculated at 8 hours per day, 5 days a week and 52 weeks per year. The CO₂ coefficient is 0,555kg CO₂/kWh and the energy cost is 19 cents per Kilowatt



In order to use this potential to consume less energy, EIZO have developed the EcoView system. An integrated circuitry controls the changing light conditions and continuously adapts the monitor's brightness automatically in case the light conditions in the office change. The bandwidth between minimal and maximal brightness is free to choose by the user and to this purpose the EcoView index will help. When having pressed the related button, this tool will show how ecologically the monitor has been set. The higher the bar diagram is shown on the monitor, the more efficient the brightness

setting then is. The EcoView system is activated by simply pressing only one button. At high ambient light the brightness will be enhanced, at lower ambient light the monitor's lighting will be decreased. In this way, in maintaining a stable contrast, optimal ergonomics are generated on the workplace which at the same time improves the environment and makes you save money