World's first organic LED TV

In the biggest innovation to reach the TV market in many years, Sony is to begin selling the world's first organic light emitting diode (OLED) sets. Unlike other flat-screen technologies, OLEDs require no back-lighting, so they can be made wafer thin and demand much less power

Sony XEL-1 OLED TV

Price: ¥200,000 (around \$1,700)

Picture size: 287mm diagonal

Resolution: 960 x 540 pixels

Power consumption Only 45W (or 0.84W on standby)

Low response times for clear fast-moving images, e.g. sports

3mm thick – slightly more than 1 Euro

Contrast ratio:1,000,000:1 – giving even __ gradations and clarity even in shadow, from zero luminosity (true black) to 30-bit colour

Terrestrial ____digital tuner

1W speakers

HDMI, USB,
ethernet and
headphone
connections

Cathode

9 9

0

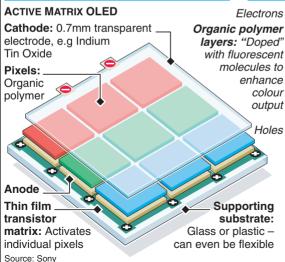
(

Emission 🥞

laver

0

Anode



Electrical current drives electrons and holes into emission layer, releasing energy as light when they combine – electroluminescence

© GRAPHIC NEWS