

PDP TV

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Recently, the TV market has rapidly shifted to large-sized TVs due to the spread of digital broadcasting and the lowering in the price of PDP, LCD and rear projection TVs. Plasma-display panel (PDP) market has grown rapidly with an annual growth rate of about 50%. Luminous efficiency, high speed addressing, picture quality is main technologies to increase the performance of plasma TV. In large TVs, power consumption is important performance. At first, the difference of annual average power consumption and typical power consumption will be discussed. To reduce the power consumption, the luminous efficiency of PDP should be increased. High speed addressing gives high picture quality due to using more sub-field and low manufacturing price by reducing driving circuits. The recent technologies to increase luminous efficiency and get high speed addressing would be presented. To reduce material cost and manufacturing cost of PDP TV is also important issue. Some technologies for lower material cost like single scan technology and less process steps would be introduced.