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**New technologies for organic EL displays to improve resolution and blue color enhancement
- Successful prototype 2.5" QVGA* high imaging quality device using a 2 transistor pixel circuit structure -**



**2.5" QVGA High Resolution Organic EL Device
(Prototype)**

Hitachi, Ltd., in cooperation with Hitachi Displays, Ltd., have developed 1) Pixel Circuit Technology which enables smooth video display and peak luminescence illumination using just 2 transistors to improve the imaging quality and resolution of organic EL (electro-luminescence) displays, and 2) Blue Light Enhancement Technology, which improves both the intensity and color purity of the blue color light. This technology will help achieve even more beautiful and vivid color in organic EL displays, and help open the way for its application in personal displays.

*QVGA: Quarter Video Graphics Array (320 × 240 pixels); ¼ the size of VGA (640 × 480 pixels)