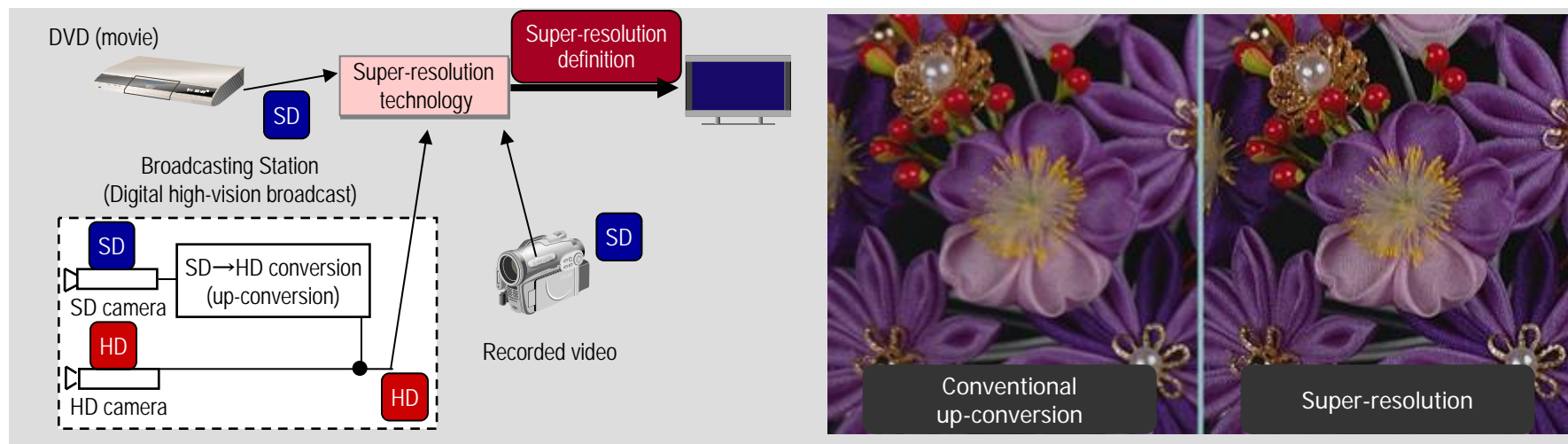


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Super-resolution technology to convert video of various resolutions to high-definition Transforming television broadcasts of mixed-resolution to high definition images



Hitachi, Ltd. has developed super-resolution technology to create high-definition images from video images of various resolutions. In contrast to conventional technology which converts video of a given resolution to a pre-determined level of high definition image, the technology developed uses original signal processing technology to convert video of various resolution levels to the optimal level of high-definition image. As a result, it is possible to create high-definition images from video containing images of various resolutions on the same display, such as in television broadcasts. Further, as well as converting SD^{*1} video to near HD^{*2} video, this technology also enhances full HDTV^{*3} (1920x1080 pixels) resolution images to provide even more beautiful crisp high-definition images.

The technology will be exhibited at CEATEC JAPAN 2008 held from 30th September - 4th October 2008 in Makuhari Messe, Chiba, Japan.