

Digital Products and Home Appliances

► Digital Products and Services

Portégé Z10t 2-in-1 Detachable Ultrabook[™] PC

Toshiba has released the Portégé Z10t 2-in-1 Ultrabook[™] PC with a detachable touch screen panel, which comes with Windows[®] 8.1 preinstalled. To realize smooth handwriting, the touch screen embodies Toshiba's accumulated thin and light product design technologies and handwritten input technologies for notebook PCs.

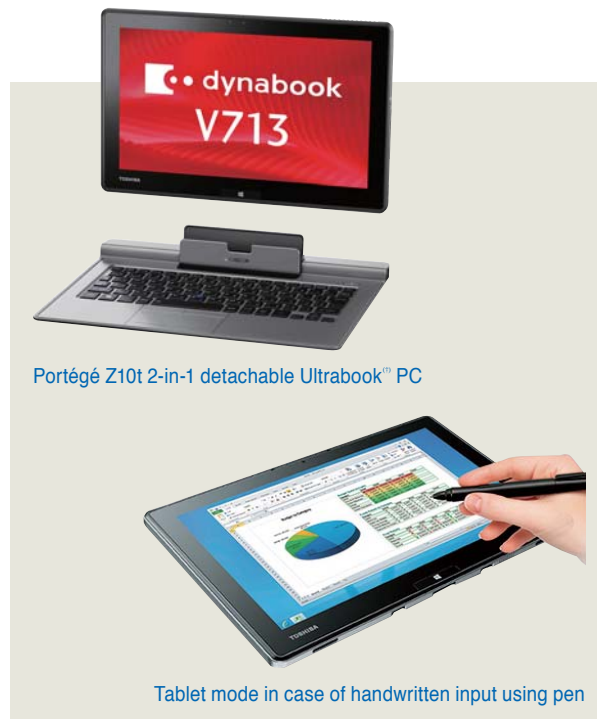
Users can instantly switch between PC and tablet simply by detaching the screen from the keyboard dock. The tablet is only 12.4 mm thick when detached, and 16.9 mm thick when mounted on the keyboard dock. The screen is 11.6 inches in size with full high-definition (Full HD) (1 920 × 1 080-pixel) resolution.

The Portégé Z10t accepts not only touch input, but also pen input that provides users with a comfortable handwriting experience. The optimal combination of screen surface and pen tip materials makes writing on the screen feel almost the same as writing on paper.

Despite its thin design, the Portégé Z10t has an array of connectivity interfaces and ports, including full-size local area network (LAN) and RGB ports, making it an ideal choice for business users as well.

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Windows is either a registered trademark or trademark of Microsoft Corporation in the United States and/or other countries.



Portégé Z10t 2-in-1 detachable Ultrabook[™] PC

Tablet mode in case of handwritten input using pen

TruNote Handwritten Note App on Excite Write Tablets

Tablets are useful for media viewing such as Web browsing. As a consequence of their ease of use, however, it is becoming increasingly difficult to add differentiating features to a tablet that makes it stand out from others.

Against this background, Toshiba has developed the Excite Write tablets that offer ultimate productivity and entertainment. The Excite Write series features TruPen and a digitizer on an ultra-high resolution display with superb performance.

Two factors determine whether a tablet has a smooth feel of handwriting: moderate friction and the pen tracking speed. With an optimally designed pen tip and display film, TruPen offers a writing experience that feels like writing with a ballpoint pen.

With our exclusive TruNote handwritten note app preinstalled, users can take notes on a tablet in the same way as they would take notes using a paper notebook. Furthermore, users can run a search using a handwritten word or shape, export handwritten characters, tables, and figures to Microsoft[®] Office applications, and manage handwritten notes easily, like digital files.

The Excite Write tablet is a handwriting device that exceeds the functionality of a real notebook and allows users to organize ideas quickly and easily.

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Excite Write tablet

TruNote handwritten note app

dynabook KIRA V832

The dynabook KIRA V832 is a slim and light notebook PC classified as an Ultrabook[™]. Housed in a light and stiff magnesium-alloy chassis, the dynabook KIRA V832 features a high-resolution ($2\,560 \times 1\,440$ -pixel) 13.3-inch liquid crystal display (LCD), a capacitive type touch screen, stereo speakers from Harman International, 8 Gbyte dual-channel memory, and a 128 Gbyte solid-state drive (SSD), delivering the best of both mobility and performance.

In addition, screen color calibration applied to every unit at the production line, acoustic tuning considering desk reflection, precisely shaped mechanical parts, and ergonomically curved keycaps contribute not only to functionality and performance but also to overall quality.

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dynabook KIRA V832

REGZA ENGINE CEVO 4K

Toshiba has developed a new video processing engine called the “REGZA ENGINE CEVO 4K” that supports 4K ultra-high definition (UHD) resolution ($3\,840 \times 2\,160$ pixels). This engine has approximately 2.5 times the processing power of the conventional REGZA ENGINE CEVO and offers various new features that deliver picture quality appropriate for 4K UHD large-screen TVs.

Furthermore, the REGZA ENGINE CEVO 4K incorporates a frame rate converter that reduces motion blur in 4K UHD video. This single-chip implementation helps to reduce cost and improve performance.

The REGZA ENGINE CEVO 4K has many new features for enhancing picture quality, including:

- Fine texture restoration

The texture restoration algorithm optimized for 4K UHD reproduces realistic textures appropriate for 4K UHD televisions (UHDTVs).

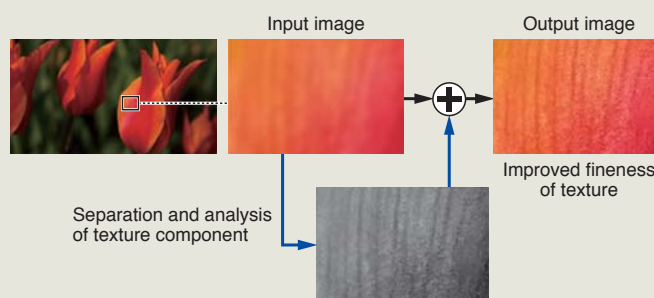
- Brilliance restoration

This technology separates object color (diffuse reflection) components from glossy (specular reflection) components to control image glossiness, thereby restoring brilliance.

The newly developed engine was first adopted in the second-generation 4K UHD REGZA Z8X series launched in Japan in June 2013. It has since been used in our TVs worldwide, such as the L9300 series released in North America and the L9363 series released in Europe.



REGZA ENGINE CEVO 4K video processing engine



Fine texture restoration process

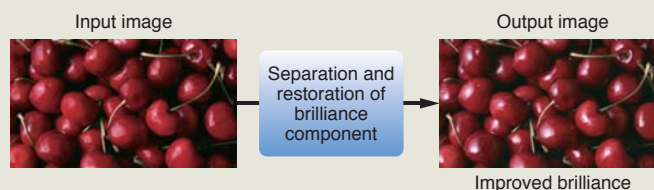


Image processed by brilliance restoration technology

REGZA Z8X Large-Screen 4K UHDTV Series with Time-Shift Recording Function

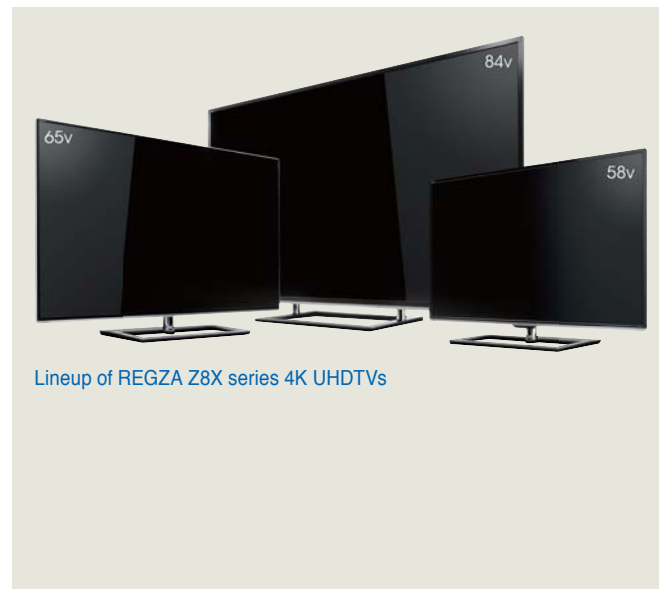
Toshiba has released the new REGZA Z8X TV series. It is equipped with the “CINEMA 4K SYSTEM,” which consists of a 4K UHD screen and a newly developed video processing engine. The 4K UHDTV has four times the pixel count of a Full HD TV. The video processing engine, called the “REGZA ENGINE CEVO 4K,” embodies our 4K super-resolution technology and significantly improves picture quality.

In addition, the REGZA Z8X series supports time-shift recording, which allows users to record up to six channels simultaneously for watching later without programming the timer for recording in advance.

The REGZA Z8X series is the industry’s first model to be compatible with Hybridcast^(*), a new TV-Internet hybrid service offered by a Japanese TV station.

(*) As of May 2013 (as researched by Toshiba)

An Internet connection is required to use this function.



Lineup of REGZA Z8X series 4K UHDTVs

High-Brightness L3300 TV Equipped with Turbo LED Backlight Control Function for Emerging Countries

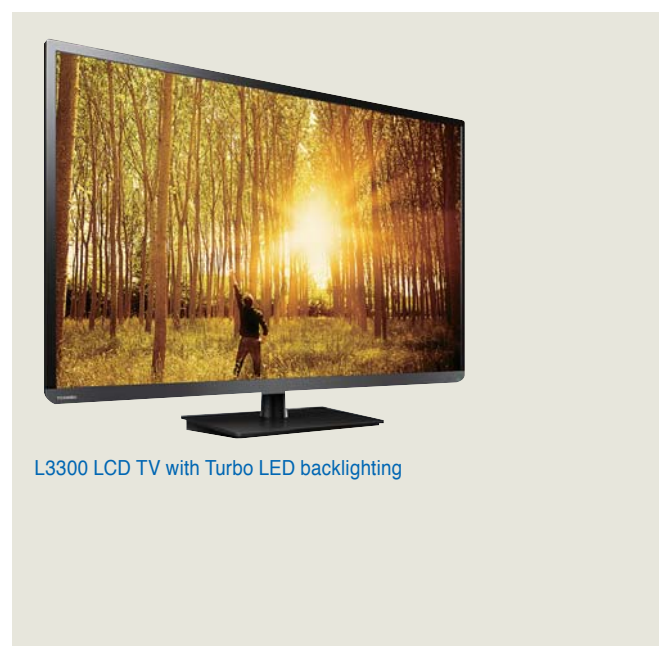
In recent years, terrestrial digital broadcasting, which delivers higher picture and sound quality than analog broadcasting, has begun to be introduced in emerging countries.

To meet the rising demand for high picture quality in these markets, Toshiba has released the L3300 LCD TV equipped with the Turbo LED backlighting function. The L3300 has a light-emitting diode (LED) at the center of the screen, delivering 1.5 times the brightness of our predecessor model^(*).

Normally, the screen is lit by the maximum Turbo LED backlighting. However, because of the center LED, unevenness is likely to occur as a side effect on bright, dark, and scrolling scenes. To achieve high picture quality, the L3300 controls backlighting upon detecting unevenness.

In addition, the L3300 has the capability to sharpen the video image while suppressing moiré and jaggedness, as well as the capability to reproduce intricate shiny scenes. These features allow users to enjoy bright high-definition video.

(*) In comparison with our L2300 series



L3300 LCD TV with Turbo LED backlighting