

Contact for inquiries about digital terrestrial TV broadcasting

Ministry of Internal Affairs and Communications DTV Call Center

Tel: **0570 07 0101**
(Mon.-Fri. 9:00-21:00, Sat., Sun. & public holidays 9:00-18:00)
*Please call **03 4334 1111**
if Navidial services and IP telephone
systems are not available.

http://www.soumu.go.jp/joho_tsusin/whatsnew/digital-broad

MIC provides an inquiry counter about how to get DTV. Feel free to contact the inquiry counter about if you can watch DTV at your home, what is required in order to watch DTV etc.

DTV Support Center, MIC

Your inquiry to the DTV Call Center will be followed by a visit to your place or community reception facilities by an expert who will explain how to switch to DTV in detail.

Japan Cable Television Engineering Association

Tel: **0570 064 155** (Mon.-Fri. 9:30-17:30)
<http://www.catv.or.jp/jctea/>

Please call the above telephone number for inquiries about how to receive DTV by community reception facilities.

Japan Cable and Telecommunication Association Customer Service Counter

Tel: **03 3490 3830** (Mon.-Fri. 9:30-17:00)
<http://www.catv-jcta.jp>

Please contact your local cable TV service provider for inquiries about how to receive DTV by cable TV.

* Please call the above telephone number if you cannot find the contact details of your local cable TV service provider.



In Japan, all analog TV broadcasting transmissions will be terminated by July 24, 2011 and after that, analog TVs will require devices, such as digital terrestrial tuners, connected to them in order to watch digital TV.



BS analog broadcasting will also be terminated by July 24, 2011.

Please switch to BS digital broadcasting which has already started.

* MIC DTV Call Center can also answer your questions about the termination of analogue broadcasting.

Be aware of scams and fraud!

False service charges claimed by bogus callers who pretend to be TV inspectors and installers and false billing by mail (billing fraud) have recently been reported. Please be aware of fraudulent acts of selling products and services based on incorrect or insufficient information about DTV.

Find instantly the attraction of and how to get digital terrestrial TV

A Quick Guide to Digital Terrestrial TV (DTV)

Vol.4

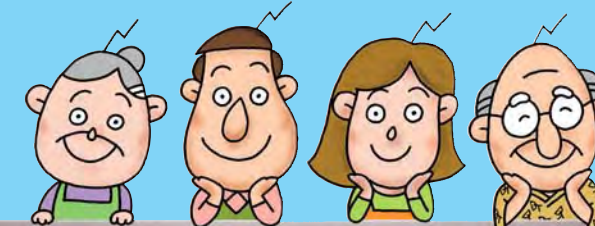


How different is it from the conventional analog TV?

DTV is packed with attractive features!

An easy-to-understand illustrated guide to receiving DTV

In your car, on your PC, through one-segment broadcasting, with your recording device...make the most of DTV.



In Japan, all analog TV broadcasting transmissions will be terminated by July 24, 2011!



DTV Support Center, Ministry of Internal Affairs and Communications /
The Association for Promotion of Digital Broadcasting (Dpa)

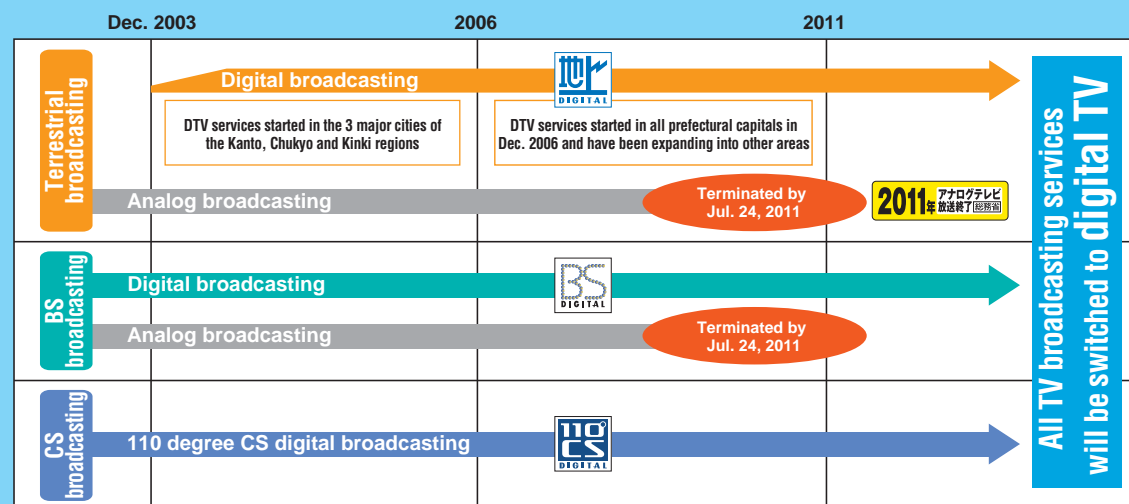
We are nearly there to complete the transition to DTV Get a head start on DTV reception

In Japan, all analog TV broadcasting transmissions will be terminated by July 24, 2011.

Digital terrestrial TV broadcasting (DTV) started in the Kanto, Chukyo and Kinki regions in December 2003 and has been expanding to eventually make the complete transition from analog TV to digital TV by July 24, 2011.

Unfortunately, we will no longer be able to watch digital TV programs on existing analog TV sets.

From analog to digital - let's get ready for DTV with this "Quick Guide".



Digital terrestrial tuner logo

Look for this logo to see if currently available TVs and recording devices are compatible with digital terrestrial broadcasting.



They come with various functions and features. Ask for details at the shop.

Why switch to DTV?

Radio waves are not inexhaustible. In Japan, radio wave congestion has been an issue. It is unlikely that digital broadcasting causes interference between relay stations next to each other even when the same channel is shared, which helps decrease the number of channels drastically. Consequently, radio waves which have been used for TV broadcasting transmissions can be used for other things such as communications.

By decree, all analog TV transmissions will be terminated. When exactly was this decided?

Along with the revision of the Radio Law in 2001, the termination of the use of analog frequencies for TV broadcasting within 10 years has been decided as a requirement for allocating public funding to implement the measure to switch from analog to digital frequencies. With this intent, the channel plan was formulated which specifies the effective date of termination of the use of analog frequencies for TV broadcasting, i.e. July 24, 2011, exactly 10 years from the date the plan was officially announced, i.e. July 25, 2001.

Hi-Vision – digital TV has it all! And that's not all!

Better pictures, more convenience and more fun with DTV

Enjoy Hi-Vision quality pictures and high-quality sounds!



16:9 widescreen with Hi-Vision quality pictures and high-quality sounds – enjoy the realistic sensation and powerful impact.



Make the most of interactive services, such as participating in quizzes and surveys!



Have fun with audience participation programs enabled by networked interactive services.



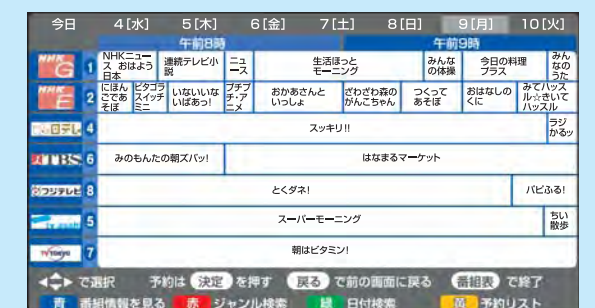
Catch up on the latest news and weather forecasts at anytime!



Datacasting enables you to view the latest news, the latest weather forecasts and other useful everyday information by pressing buttons on your remote control.



Simply schedule your recording with EPG (electronic program guide)!



One week's worth of TV listing is displayed on-screen with functions allowing you to search for program details. EPG also quickly responds to changes to program times and updates viewing and recording schedules.



How do I enjoy DTV?



Some TVs can receive DTV transmissions straightaway and others can't. While DTV is promoted into wider areas, it is important to know what type of TV to buy if replacing the existing one and what will be required in order to be able to watch DTV on an existing analog TV. The following chart will help you decide the right way to receive DTV.

A
If you want to make the most of DTV...

Buy a digital terrestrial-compatible TV

Hi-Vision Widescreen High-quality sound
Datacasting Interactive services Program scheduling

* There are less expensive options with limited digital functions.

From big screen to small screen – the choice is yours



B
If you prefer an easier option to enjoy DTV...

All you have to is to buy a digital terrestrial tuner or a recording device with a built-in digital terrestrial tuner!

Watch DTV on your existing TV set.

What type of TV do you have?

Standard definition Analog TV	
Hi-Vision BS Digital Hi-Vision TV BS Analog Hi-Vision TV D3/D4 TV	

+

Digital terrestrial tuner / recording device with a built-in digital terrestrial tuner

High-quality sound Datacasting
Interactive services Program scheduling

* There are less expensive options with limited digital functions.

DTV on your PC

Attach a tuner to your PC to watch DTV

PC digital terrestrial tuner

C
If you want to get DTV by cable TV...

Check with your local cable TV service provider if DTV services have been started.

If yes, you should be able to receive DTV from your local cable TV service provider on any commercially-available digital compatible TV or on your existing TV with a digital terrestrial tuner installed to it.

(Some cable TVs may require special devices.)

Can I subscribe for DTV viewing only?

Yes

You can receive DTV on any commercially-available digital compatible TV or on your existing TV with a digital terrestrial tuner installed to it.

No

You can receive DTV by installing a cable TV tuner (digital STB) to the first TV set (standard definition). The second and any other TV sets can be commercially-available digital terrestrial-compatible TVs or TVs which can be equipped with digital terrestrial tuners.



UHF antenna is also required. Go to page 5

No antennae are required. For further information, please contact your local cable TV service provider to which you subscribe.

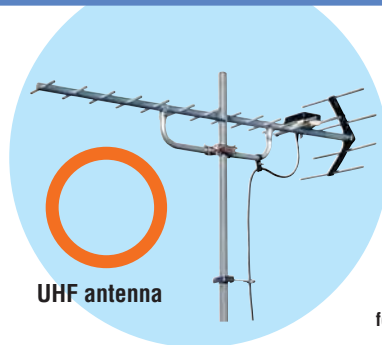
How about the antenna?

DTV is broadcast using UHF bands.

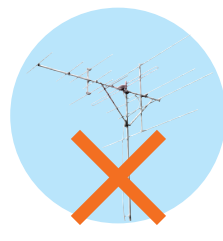
Even the areas where only VHF transmissions have been available can now receive DTV by installing UHF antennae.



You will need a UHF antenna to watch DTV.

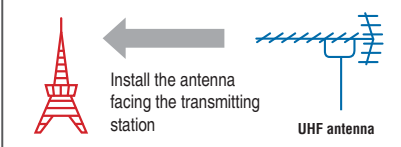


UHF antenna



VHF antenna for conventional TV broadcasting (analog TV)

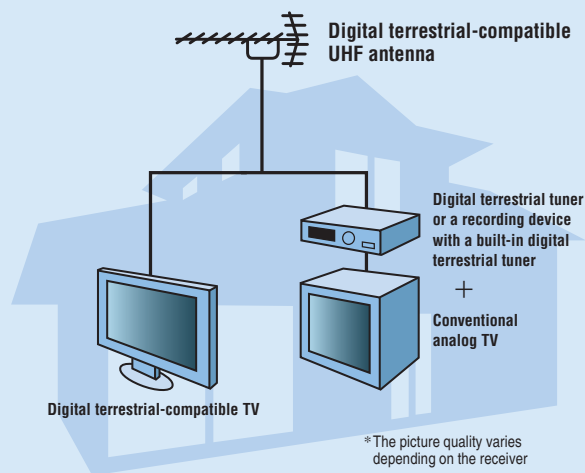
How to install an UHF antenna



- * UHF antennae for analog TV can be used for receiving DTV but may need some adjustment or replacement.
- * DTV can be received by digital indoor antennae in some places where reception is comparatively good.
- * Community antenna cable TV does not require an antenna per TV set.
- * Antenna adjustment and installation incur some cost.

Single-family housing

(reception by individual antenna)

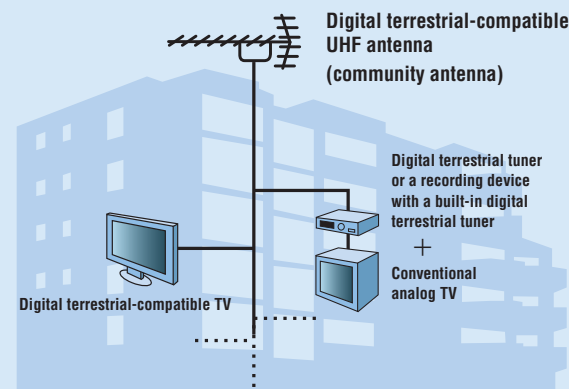


*The picture quality varies depending on the receiver

Apartment and condominium housing

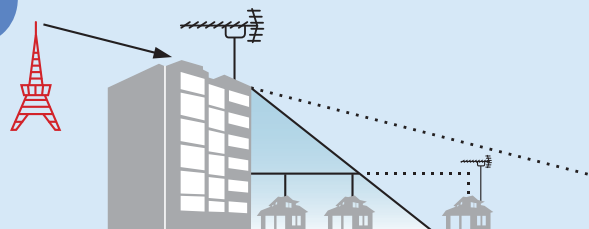
(reception by community antenna)

- Some work may need to be done on the community antenna in order to be able to receive DTV.
- For further detail, ask the landlord or the apartment/condo association for early preparation.



Poor reception areas, such as behind buildings, where community receiving equipment is used

DTV might solve poor reception problems, enabling you to watch digital TV programs by installing a UHF antenna per household. If poor reception problems persist, some work may need to be done to improve the reception quality. Have a word with the maintenance company and the landlord of the building which is causing poor reception.



★ For the installation of your TV and antenna, please make an inquiry to the shop(s) where you bought them.

How much will it cost to get DTV?

There are many different types of TVs, tuners, antennae and other peripherals which enable you to receive DTV and its services. They therefore vary in terms of cost. All digital devices and equipment come with different features, giving you a wide choice of reception methods to meet your specific need.



By digital TV

Connect a **digital terrestrial-compatible TV** to the antenna.
*The installation of a UHF antenna or the replacement of the existing antenna may be required.



Digital terrestrial-compatible TV

- Size: 13" to 50"
- Price: approx. 40,000 to 600,000 yen
- * Sizes larger than 50" are also available.

By digital tuner

Connect a **digital terrestrial tuner** or a **recording device with a built-in digital terrestrial tuner** to your existing TV set to receive DTV.
*The installation of a UHF antenna or the replacement of the existing antenna may be required.



Digital terrestrial tuner

- Price: approx. 10,000 to several tens of thousand yen
- Recording device with a built-in digital terrestrial tuner**
- Price: approx. 50,000 to 300,000 yen

By cable TV

Without special equipment

Get a **digital terrestrial-compatible TV set** or connect a **digital terrestrial tuner** or a **recording device with a built-in digital terrestrial tuner** to your existing TV set to receive DTV. No separate receiving antennae are required.



Digital terrestrial TV

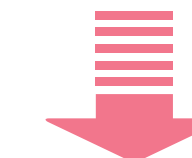
- Size: 13" to 50"
- Price: approx. 40,000 to 600,000 yen
- * Sizes larger than 50" are also available.

Digital terrestrial tuner

- Price: approx. 10,000 to several tens of thousand yen
- Recording device with a built-in digital terrestrial tuner**
- Price: approx. 50,000 to 300,000 yen

With special equipment

Connect a **special receiving device for cable TV (STB: Set-Top Box)** to your existing TV set to receive DTV. No separate receiving antennae are required.



Special receiving device for cable TV (STB)

Please ask your local rental shops and cable TV service providers about rental fees and prices.

Digital terrestrial-compatible UHF antenna

- Price/unit: from approx. 5,000 yen
- Installation/engineering work cost: from approx. 30,000 yen
- *The installation/engineering work cost varies depending on what needs to be done. Ask your local electrical and domestic appliance shops for advice.



! The antenna installation cost and the improvement work cost vary depending on what needs to be done. Also, in some areas, boosters and mixing devices may be required.

Prices of digital devices and the installation costs vary from area to area. Please ask your local **electrical and domestic appliance shops** for details.

(Example) When a single-family household subscribes for DTV by cable TV

- Subscription: approx. 0 to 50,000 yen
- Initial installation work: approx. 20,000 to 50,000 yen
- Monthly usage fee: approx. 3,000 to 5,000 yen



! The overall cost varies along with different expenses incurred on installation work, monthly usage, equipment for rent etc., plus the cable system chosen, the number of receiving devices, peripheral facilities and subscription details.

Cable TV subscription fees vary from area to area. Please ask your local **cable TV service provider** for details.

Disposal of your TV set

Please be sure to dispose of your TV set in accordance with the Home Appliance Recycling Law. Your cooperation in using resources effectively and preventing illegal dumping is much appreciated.

★ For information about how to connect and use your TV set, please ask the manufacturer.

Be aware of scams and fraud!

False service charges claimed by bogus callers who pretend to be TV inspectors and installers and false billing by mail (billing fraud) have recently been reported.

Please be aware of fraudulent acts of selling products and services based on incorrect or insufficient information about DTV.

One Point Digital



Point 1 The word **"Analog"** appears in the top right corner of my TV screen. Why?



That is the "Analog" logo, telling you that you are currently watching analog TV. The logo therefore does not appear when you are watching digital TV. Some viewers can receive digital TV on their TV sets yet they may still watch analog TV. The logo is for clearly distinguishing analog TV from digital TV.



Point 2 Will I have to replace my existing analog TV with a **digital terrestrial-compatible TV**?



You can connect a digital terrestrial tuner or a recording device with a built-in digital terrestrial tuner to your existing analog TV to receive DTV. Please note, however, that digital TV programs in Hi-Vision will be shown in standard definition on your TV screen.

Point 3 Will I be able to receive DTV with an **indoor antenna**?



If you can get excellent reception, you can use an indoor antenna for DTV or an easy-to-install special DTV antenna. Indoor reception can be inconsistent and it is therefore advisable to position the antenna by the window where you can see the TV transmission mast. A special DTV antenna can also be installed on your balcony.



Point 4 Can I receive DTV in my area?



Take a look at the "Area Guide" on the website of Dpa. You can find which services are available by your local relay station by clicking your area on the map or by entering your address and zip code.

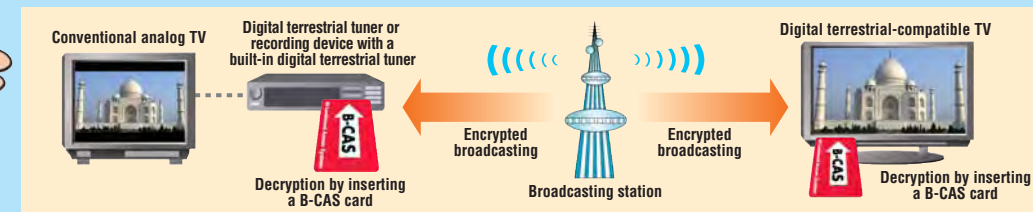


Dpa website
<http://www.dpa.or.jp/>

Point 5 I hear that I cannot receive or record digital TV without a **special card**. Why?



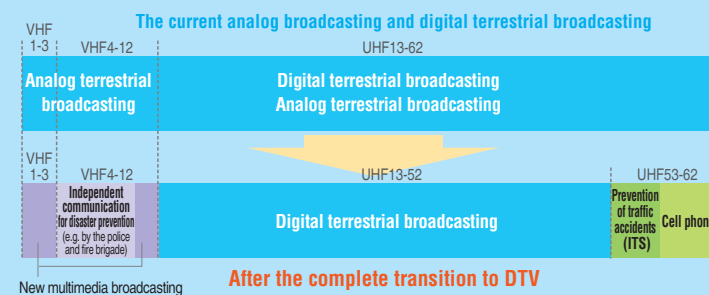
You will need a B-CAS card. The B-CAS is an IC card which comes with a regular digital terrestrial tuner or a TV/recorder with a built-in digital terrestrial tuner. In terms of copyright protection, DTV broadcasting is encrypted to prevent unauthorized copying and you are therefore not allowed to receive or record DTV unless you have a B-CAS card to insert into your device.



Point 6 How will **radio waves spared** by the digitization of terrestrial TV broadcasting be utilized?



Uncongested frequency bands will be used for many different purposes, i.e. facilitating cell-phone communication, enhancing disaster prevention, reducing traffic accidents, promoting new multimedia broadcasting and so on.



Point 7 Can I watch **DTV on my cell phone**?



Yes, if your cell phone is compatible with one-segment broadcasting. Services for cell phones and other mobile devices (known as "one-seg") enable you to receive reasonably clear pictures on your cell phone, car navigator, PC and portable TV. You can enjoy DTV wherever you go. Especially, in the event of emergency, when telephone communication may be down, you can still receive DTV on your cell phone to get information about evacuation routes and the safety of your loved ones. Your cell phone then becomes an important terminal device which could save your life and property.



Point 8 What are those **yellow stickers** on TVs for sale in shops?



The yellow stickers mean "analog reception only". After July 24, 2011, when the transition to DTV is complete, TVs with yellow stickers will need digital terrestrial tuners or recording devices with a built-in digital terrestrial tuner connected to them so as to receive DTV.

2011年 アナログテレビ放送終了
地上デジタル放送をご覧いただくには有線チューナーが必要となります。(総務省)

ご注意ください!

このテレビは、地デジ対応ではありません!

このテレビは、2011年7月にアナログ放送が終了すると、デジタルチューナーなどの機器を外付けしない限り使用できなくなります。(総務省)