

Sunday 17th – Friday 22nd (closed on 20th)

8K Living Room

NHK is engaged in initiatives to widely promote its adoption for home viewing by 2020. This exhibit provides the experience to view 8K programs in a home living room.



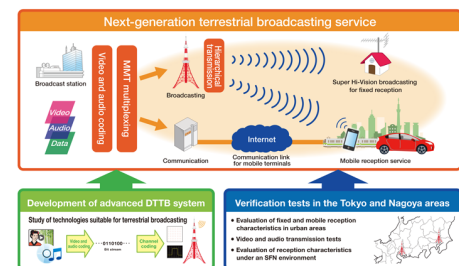
8K Live Broadcasting

NHK has launched its first 8K live channel in December 1st, 2018 which is daily broadcasted by BSAT-4a satellite from 10:00 am to 10:10 pm. Please enjoy the actual On-Air program being received at the venue of ABU Tokyo 2019.



Advanced digital terrestrial television broadcasting system

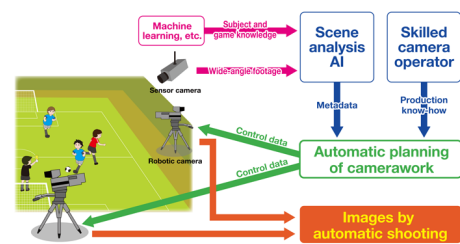
To achieve terrestrial broadcasting of UHD TV, NHK is developing an advanced digital terrestrial television broadcasting system and verifying the system through large-scale field trials. The system can simultaneously provide UHD TV service for fixed reception and HDTV service for mobile reception in one channel bandwidth (6 MHz).



Large-scale field trials of the advanced DTTB system

Scene analysis for sports content production using AI

NHK is developing scene analysis technology using AI to extract the formation of players and location of the ball during a soccer game to plan camerawork automatically according to the actual scene.



Flowchart of automatic camerawork planning using scene analysis technology

New viewing experience using AR technology

This exhibit will allow viewers a new experience that goes beyond the boundaries of traditional TV using Augmented Reality (AR). This demonstration is achieved by highly accurate synchronization of two-dimensional video on TV and 3D AR content on a tablet.



Integral 3D display for mobile terminal

This exhibit demonstrates a small 3D display for mobile terminals that enables natural 3D viewing without special glasses. A wider viewing zone and higher quality 3D videos are achieved by viewer's eye tracking.

