TOKYO, April 8, 2015- NHK is planning to commence test 8K (Super Hi-Vision) broadcasting in 2016 and achieve the widespread use of 8K in 2020, the year of the Tokyo Olympic and Paralympic Games, in line with Japan’s present road map for 4K and 8K. The development of both 8K content and equipment is now accelerating towards these goals.

NHK will exhibit the latest 8K content and equipment at NAB2015, the world’s biggest exhibition of broadcasting equipment. The NHK booth will feature a 350-inch 8K theater where visitors from all over the world can experience the amazing visual and aural immediacy of the ultra high definition 8K images and 22.2-multichannel three-dimensional (3D) sound. The technologies on display will include more practical 8K production equipment, the latest 8K display and a new multiplex system for 8K broadcasting.

The Latest 8K Content at NAB

A World Heritage site, Mt. Fuji
The powerful roar of Taiko drums
Images of Outer Space using full 8K CG and more..

Practical 8K Production Equipments & the Latest 8K Display

8K camera (standard model)
8K camera (dockable model)
8K P2 recorder
Narrow bezel 85-inch 8K LCD

8K camera
Two new light and compact 8K camera models have been developed for convenient broadcasting use. One is for use in sports relays and studio production, and the other a dockable model fitted with its own recording unit as the first portable 8K video camera recorder.

8K P2 recorder
A new professional recorder has been developed to record ultra high definition 8K images. The recorder has evolved to become more compact and easier to use than ever.

Narrow bezel 85-inch 8K LCD
This 8K display with built-in speakers can stand freely or hang on the wall to fit snugly into the living room space. It has the same stylish appearance as a conventional Hi-Vision display and presents the full 8K images with 22.2-multichannel sound system. The world’s smallest, 13.3 inch organic electro-luminescence display for 8K will also be exhibited.
New Multiplex System for 8K Broadcasting

The multiplex system for 8K broadcasting in Japan (a transmission and display system for the broadcast of images, sound etc.) will be exhibited at the booth using an example MMT* service.

The use of MMT makes it possible to display information received via broadcasts and the Internet (communications) with correct timing on the same TV screen, permitting multi-viewing, connectivity with mobile devices and so on, for the realization of multifarious services.

*MMT = MPEG Media Transport. Besides 8K in Japan, this system is also an element of the ATSC3.0 next generation terrestrial broadcasting system in the United States.

8K/120Hz Production System / 22.2 Multichannel Loudness Meter

8K/120Hz Production System

Shooting 120 frames per second, the 8K/120Hz Production System can capture even fast-moving scenes in high definition.

22.2-Multichannel Loudness Meter

Attaching numerical values to the sound levels experienced on content even from different channels, the 22.2-Multichannel Loudness Meter makes it possible to maintain a standardized sound level.

What is NAB2015?

NAB2015 is the world’s biggest show of broadcasting equipment. The National Association of Broadcasters holds the NAB show every April in Las Vegas. More than 1,700 corporations engaged in broadcasting, film and digital media participate and about 100,000 industry people attend from all over the world.

NHK Booth (Open for 4 days from April 13-16)
North Hall, Las Vegas Convention Center
N8933 “NAB Labs Futures Park”

Visit 8K (Super Hi-Vision) English Website: http://www.nhk.or.jp/8k/index_e.html