


# Milestones in the Technology Industry

## CES<sup>®</sup> Celebrates 50 Years of Innovation

**2015**  
In step with tech evolution,  
CEA becomes the  
Consumer Technology Association.  
**Consumer  
Technology  
Association**



**1968**  
The computer mouse is demonstrated by Douglas Engelbart, commercialized by the Apple Macintosh 16 years later.

**1972**  
The first home videogames, designed to play through TV receivers, are marketed.

**1978**  
CES is held in Las Vegas for the first time.




**1985**  
The CD-Rom is introduced.

**1992**  
The MiniDisc makes its debut.



**1998**  
CD-Recordable decks are first sold.




**2003**  
First HDTV camcorders enter the marketplace.

**2007**  
CES celebrates its 40th anniversary.




**2015**  
First 4K Ultra HD Blu-ray decks go on sale.

**1977**  
Apple Computer Inc. introduces its first personal computer.



**1976**  
The first microprocessor videogames are marketed.

**CES 1975**  
The first VHS VCR is introduced at CES.

**CES 1974**  
Laserdisc Player debuts at CES.

**1982**  
Dolby Laboratories introduces surround sound for home use.

**1982**  
The first compact disc (CD) players go on sale in the United States.

**1994**  
The first CES Mexico is held in Mexico City.



**1994**  
GPS auto navigation systems are marketed in the United States.

**1998**  
E-Commerce takes off, with as many as 30 million U.S. households purchasing products over the internet in 1998.

**1998**  
Diamond Multimedia introduces the first portable MP3 device.

**CES 2001**  
Internet gaming is introduced by Microsoft and Sony at CES.

**2001**  
Satellite radio broadcasting begins.

**2001**  
First high-speed, next-generation cell phone networks are activated.

**2003**  
FCC approves cable-CE "plug-and-play" agreement.

**CES 2003**  
Blu-ray DVD and HDTV DVR debut at CES

**2005**  
First hard disk drive-based camcorders go on sale.

**2005**  
First HDTV with built-in HD-DVR goes on sale.

**2005**  
IPTV

**2007**  
Apple introduces its iPhone.




**2007**  
Convergence of Content & Tech

**CES 2009**  
3D HDTV debuts at CES.

**CES 2011**  
Connected TVs, Smart Appliances, Android Honeycomb, Ford's Electric Focus, Motorola Atrix, Microsoft Avatar Kinect all introduced at CES.

**2015**  
Apple starts selling the Apple Watch.

### 1967 1975 1980 1985 1995 2000 2004 2007 2011 2017



**1969**  
ARPANET, a forerunner of the internet, becomes operational.

**1973**  
The first Winter Consumer Electronics Show (CES) is held in Chicago.



**1970**  
The computer floppy disk is developed.

**1970**  
Intel introduces the computer memory chip.

**1970**  
Videocassette Recorder (VCR) debuts at CES.

**1975**  
The first personal computer, Altair 8800 debuts.



**1975**  
The first Betamax VCR is introduced.

**1975**  
CB radio becomes a major consumer product.

**1975**  
The laser printer is introduced.

**1975**  
The first liquid crystal displays (LCD) are sold.



**1981**  
IBM PC, using Microsoft's Disk Operating System (MS-DOS), is introduced.

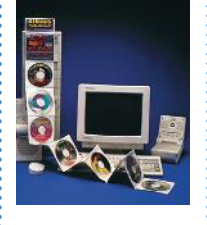
**1980**  
The first portable VCR-camera combinations (camcorders) are demonstrated.



**1979**  
Personal headset audio is introduced.

**1984**  
Sales of stereo color TV receivers and adapters begin.

**1984**  
EIA's Consumer Electronics Group champions the Supreme Court's Betamax decision to allow consumers to record TV programs for their own personal use.



**1991**  
Multimedia CD-ROM computer systems are introduced.



**1993**  
Personal Digital Assistants (PDA) are introduced.

**1996**  
Set-top boxes plug into televisions and allow viewers to surf the internet's World Wide Web via remote control.

**1996**  
Congress passes the Telecommunications Act of 1996.



**1995**  
Flat-screen plasma display TVs are introduced.

**1995**  
EIA's Consumer Electronics Group becomes the Consumer Electronics Manufacturers Association (CEMA).




**1987**  
The movie theater experience moves into the living room: Dolby Pro Logic is available at home.

**1983**  
Apple's Lisa, the first computer using a graphical user interface (GUI) and mouse, is unveiled.

**1983**  
Cellular telephone service is introduced.

**1997**  
DVD players debut in the United States.

**1998**  
The first HDTV sets are sold at retail.

**2000**  
First Bluetooth-enabled products are launched.

**2000**  
Secure, high-capacity, solid-state flash media formats and products are introduced.

**CES 2000**  
An HDTV-DVD player is demonstrated at CES.

**2000**  
CEMA becomes its own corporate entity and renames itself the Consumer Electronics Association (CEA).



**1999**  
Hard disk-based digital personal video recorders (PVRs) are first introduced at CES, capable of "smart" programming and instantaneous playback of a recorded TV program, even while the program is running.

**1999**  
DVD-Audio and Super Audio CD (SACD) players are introduced.

**1999**  
The first high-definition plasma display screen is introduced at CES.



**2002**  
First combination cell phones/digital cameras become available.

**2002**  
Blu-ray and red laser high-definition DVD recording standards are announced.



**2004**  
Combination cable HDTV STB and HDTV PVRs and Cable-CARD-equipped DTVs go on sale.

**2004**  
HD Radio



**2004**  
First U.S. 3G cellular network service and phones announced.

**2004**  
Annual sales of U.S. consumer electronics surpass \$100 billion.



**2006**  
First videogame systems with high-definition DVD players hit the market.

**2004**  
Combination cable HDTV STB and HDTV PVRs and Cable-CARD-equipped DTVs go on sale.

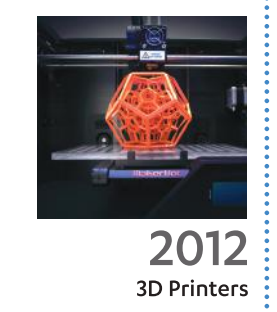


**2012**  
3D Printers

**2012**  
3D OLED

**2012**  
Android 4.0 Tablets

**2006**  
First 1080p plasma HDTVs are introduced.



**2016**  
First 4K Ultra HD Blu-ray decks and UHD Blu-ray Discs go on sale

**2016**  
FCC votes to "unlock" cable set-top box converters

**2012**  
CES Asia launches



**2012**  
CES Asia launches

**2012**  
CES Asia launches

**2013**  
Ultra HDTV at CES.

**2017**  
Celebrating 50 Years CES | 1967-2017

