

1. Wacom Cintiq 22

Definition: It is a tablet used for digital art and drawing purposes.

Production Date: 2019

Company: Wacom

Features: Wacom's premium, pressure-sensitive pen provides natural, on-screen creative control and captures every nuance of your movements with the accuracy and precision of traditional art tools. Easily accessible settings, touch strips or buttons for zooming, scrolling, changing brush size, and more. Then, 21.5" full HD display with 1920 x 1080 pixels resolution and 16.7 million colors.

2. Google Stadia

Definition: It is a cloud gaming service operated by Google. It allows players to play the provided games via streaming.

Production Date: November 19, 2019

Company: Google

Features: It does not need any additional hardware. It is capable of streaming video games up to 4K resolution at 60 frames per second with support for high-dynamic-range, to players via the company's numerous data centers across the globe, provided they are using a sufficiently high-speed Internet connection. It is accessible through the Google Chrome web browser on desktop computers, or through Pixel smartphones, Chrome OS tablets and Chromecast.

3. MacBook Pro 2019

Definition: It is one of the latest and most powerful laptops that Apple has made in 2019 with improved hardware specifications and features.

Production Date: 2019

Company: Apple

Features: CPU: 2.4GHz Intel Core i9 processor (octa-core, up to 5.0GHz), Graphics: AMD Radeon Pro Vega 20, RAM: 32GB (2,400MHz DDR4), Screen: 15.4-inch, 2,880 x 1,800 Retina display (backlit LED, IPS, 500 nits brightness, wide color P3 gamut), Storage: 4TB SSD, Ports: 4x Thunderbolt 3 (USB-C), 3.5mm headphone jack, Connectivity: 802.11ac Wi-Fi, Bluetooth 5.0, Camera: 720p FaceTime HD webcam. The new MacBook Pro features a stunning 16-inch

Retina display — the largest Retina display ever in a Mac notebook. It produces 500 nits of brightness for spectacular highlights and bright whites, while delivering deep blacks thanks to the precise photo alignment of liquid crystal molecules. And the P3 wide color gamut enables brilliant, true-to-life images and video.

4. PlayStation VR (Virtual Reality)

Definition: It is known by the codename Project Morpheus during development, is a virtual reality headset developed by Sony Computer Entertainment. It was designed to be fully functional with the PlayStation 4 and PlayStation 5 home video game consoles.

Production: October 2016

Company: PlayStation

Features: The PlayStation VR has a 5.7 inches OLED panel, with a display resolution of 1080p. The headset also has a processor box which enables the Social Screen video output

5. iPhone 11

Definition: The iPhone 11 is smartphone designed, developed and marketed by Apple Inc. It is the thirteenth generation lower-priced iPhone, succeeding the iPhone XR. The prominent changes compared with the iPhone XR are the AppleA13 Bionic chip, and an ultra-wide dual camera system.

Production Date: 2019

Company: Apple Inc.

Features: The iPhone 11 features an Intel modem chip with Gigabit-class LTE, 2x2 MIMO, and LAA, Wi-Fi 6 support (802.11ax) with 2x2 MIMO, Bluetooth 5.0, Dual-SIM with eSIM, and an Apple-designed U1 Ultra-Wideband chip that improves spatial awareness and allows for better indoor tracking.

6. DJI Mavic Air

Definition: The Mavic Air, which was released in early 2018 was the first "pocket-sized" portable drone being able to capture 4k video at 30 FPS. The Air has a 3-axis gimbal and 25mm lens.

Production Date: 2018

Company: DJI

Features: 32 MP Sphere Panoramas, Foldable & Portable, 3-Axis Gimbal and 4K Camera, 3-Directional Environment Sensing, Smart Capture, 21-Minute Max Flight Time

7. OnePlus7 Pro

Definition: The OnePlus 7 Pro are Android smartphones manufactured by OnePlus.

Production Date: 2019

Company: OnePlus

Features: On-screen Fingerprint Sensor, Face Unlock, No 3.5 mm headphone jack present. Comes with a Qualcomm Snapdragon 855 chip and an octa-core processor having a clock speed of 2.84GHz. It has an Adreno 640 GPU, which provides great graphics. It also has a massive 6GB RAM, which will look after gaming and multitasking.

8. METHOD and METHOD X 3D Printer

Definition: The new 3D Printer has a Circulated Heated Chamber (60°C) Dual Extruders, uses soluble PVA supports and has a network of 21 sensors monitoring all aspects of 3D Printing process. The Method has a spring steel build plate allowing for easy removal of 3D prints. The Method has dry-sealed humidity and temperature monitored material bays and was launched with the capability of printing in PLA, Tough™ and PET-G. An ultra-rigid metal frame construction reduces flexing during printing, allowing precision layer resolution of 20 to 400 micron and dimensional accuracy of +/- 0.2mm. Connectivity is Wi-Fi; Ethernet; USB cable; USB drive. The build volume of the new Method with dual extrusion is 19L * 19W * 19.6H cm

Production Date: 2018

Company: MakerBot

Features: Uses SR-30—enabling unlimited design freedom and the ability to print unrestricted geometries, such as large overhangs, cavities, and shelled parts. The combination of SR-30 and MakerBot ABS is designed to provide outstanding surface finish and print precision.

9. 2019 Honda CB300R

Definition: The Mavic Air, which was released in early 2018 was the first "pocket-sized" portable drone being able to capture 4k video at 30 FPS. The Air has a 3-axis gimbal and 25mm lens.

Production Date: 2019

Company: Honda

Features:

PERFORMANCE: Compact engine, High-revving performance, Fine-tuned intake and exhaust, Underslung exhaust.

HANDLING: Inverted front fork, Lightweight aluminum wheels, perfect balance, light strong steel chassis, lightweight construction, Tuned steel swingarm

COMFORT: Comfortable riding position

10. Air pods Pro

Definition: Apple's first in-ear earbuds that feature Active Noise Cancellation technology.

Production Date: It was released on October 30, 2019

Company: Apple Inc.

Features: They include features of standard Air Pods, such as a microphone that filters out background noise, accelerometers and optical sensors that can detect presses on the stem and in-ear placement, and automatic pausing when they are taken out of the ears. Control by tapping is replaced by pressing a force sensor on the stems.

11. GeForce 20 series

Definition: The GeForce 20 series is a family of graphics processing units developed by Nvidia, and was announced at Gamescom on August 20, 2018.

Production Date: It was released on July 9, 2019

Company: by Nvidia, Inc.

Features: The RTX 20 series is based on the Turing microarchitecture and features real-time hardware ray tracing. The cards are manufactured on an optimized 14 nm node from TSMC, named 12 nm FinFET NVIDIA (FFN). This real-time ray tracing is accelerated by the use of new RT cores, which are designed to process quadtrees and spherical hierarchies, and speed up collision tests with individual triangles.

12. Tesla Cybertruck

Definition: The Tesla Cybertruck is an all-electric battery-powered light commercial vehicle. The stated goal of Tesla in developing the Cybertruck is to provide a sustainable energy substitute for the roughly 6,500 fossil fuel powered trucks sold per day in the United States.

Production Date: to begin in 2021, with more models being offered by 2022.

Company: Tesla, Inc.

Features: The truck will use self-leveling suspension which compensates for variable load and some models will have all-wheel drive. Other standard features include on-board power inverters for supplying both 120 and 240-volt electricity, allowing the use of power tools without a portable generator. An air compressor for powering pneumatic tools is included. The exterior stainless steel sheet-metal is bullet-resistant against 9 mm caliber bullets. All vehicles will also come with Tesla Autopilot, and will have the hardware capabilities for fully autonomous operation. As of November 2019, Tesla was accepting pre-orders for \$100, with a \$7,000 'full self-driving' option.

13. Apple Watch

Definition: is a line of smartwatches designed, developed, marketed and sold by Apple Inc. It incorporates fitness tracking and health-oriented capabilities with integration with iOS and other Apple products and services.

Production Date: The series 5 which is the Apple's latest series of Apple Watches is released on September 20, 2019.

Company: Apple, Inc.

Features: The Features of an apple watch is Answer Calls, Use the Apple Watch as a Walkie Talkie, record a Voice Memo, track Your Cycle, monitor Safe Hearing Levels, use a Calculator, act as a Compass, and Always Show You The Display. The new Series 5 runs on a new Apple S5 chip inside: 64-bit dual-core S5 processor, up to 2x faster than S3 processor (includes W3 wireless chip).

14. Artificial Intelligence

Definition: In computer science, artificial intelligence (AI), sometimes called machine intelligence, is intelligence demonstrated by machines, in contrast to the natural intelligence displayed by humans. Leading AI textbooks define the field as the study of "intelligent agents": any device that perceives its environment and takes actions that maximize its chance of successfully achieving its goals. Colloquially, the term "artificial intelligence" is often used to describe machines (or computers) that mimic "cognitive" functions that humans associate with the human mind, such as "learning" and "problem solving. As machines become increasingly capable, tasks considered to require "intelligence" are often removed from the definition of AI, a phenomenon known as the AI effect. A quip in Tesler's Theorem says "AI is whatever hasn't been done yet." For instance, optical character recognition is frequently excluded from things considered to be AI, having become a routine technology. Modern machine capabilities generally classified as AI include successfully understanding human speech, competing at the

highest level in strategic game systems (such as chess and Go), autonomously operating cars, intelligent routing in content delivery networks, and military simulations.

15. Rollable Samsung Galaxy Phone

A new patent dug up and rendered by the Dutch tech blog Lets Go Digital shows a phone that doesn't fold but instead extends its display by sliding out the right part of the candybar.

There are people who would like a phone that can be extended into a bigger, tablet-like display without sacrificing portability or durability. And this expandable Samsung Galaxy patent may be the Holy Grail. According to the patent published by the Korean Intellectual Property Office on June 24, doing this will make the display 50% bigger than on its regular mode. While the patent doesn't disclose how this is achieved, it seems like the only way to do it would be to use a rollable display with its axis placed vertically on the left side of the phone. It's unlikely that the Seoul-based company would release such a futuristic phone soon. Samsung Display first showed its rollable screen technology in 2016. That OLED panel required a large radius on its roll part to avoid damaging the display and, while a lot of time has passed, it is unlikely the radius has been reduced so much as to allow for the design shown in the patent. That said, this is clearly where the company is headed. Samsung has already patented another rollable phone that extends vertically. LG is also working on rollable phones. The Korean company has already released a rollable product that belongs in a sci-fi movie: the LG Signature OLED TV R, a 65-inch 4K screen that rolls out of a large sound bar. Samsung is also preparing new alternative formats to the classic candybar design that has become ubiquitous in the phone world. In addition to the Galaxy Fold, the company is reportedly working on a clamshell design like the foldable Motorola Razr. It also may be working on a Galaxy Fold with an outer display, like the Huawei Mate X. According to Samsung Mobile CEO DJ Ko, the Korean conglomerate remains committed to flexible displays no matter what. I have no doubt that a phone like the one in this patent awaits three or four years away.

16. Netgear Nighthawk MK62 Mesh Wi-Fi 6 System

The all-new Nighthawk MK62 mesh Wi-Fi system by Netgear is among our favorite products of CES 2020 for a good reason. Priced well below \$250, the device is the reasonably priced, Wi-Fi 6-capable mesh Wi-Fi system the world has been waiting for.

The Nighthawk MK62 setup consists of a router and a satellite, which can cover up 3,000 square feet of space. The mesh Wi-Fi system can reach maximum speeds of 1.8 Gbps.

Best of all, thanks to support for the Wi-Fi 6 standard, it can effortlessly accommodate more than 25 connected devices

17. Google Glass

Definition: Google Glass, or simply Glass, is a brand of smart glasses—an optical head-mounted display designed in the shape of a pair of eyeglasses. It was developed by X (previously Google X) with the mission of producing a ubiquitous computer.

Production Date: February 2013

Features: Google Glass displayed information in a smartphone-like, hands-free format. Wearers communicated with the Internet via natural language voice commands.

18. LG Rollable TV

The biggest sensation in TVs for the last two years at CES was arguably LG's incredible rollable TV, a 65-inch OLED television that's flexible enough to roll up and down. The screen will roll down and disappear into its cabinet when you're done watching, completely out of sight. When TV time, er, rolls around again, a push of a button on the remote brings the OLED screen back up, emerging gloriously like an entertainment cobra from a basket.

LG originally said the TV would ship in 2019 but that date slipped, at least in the US. Now we have the full details, starting with the price: \$60,000 (about £45,600 or AU\$86,200). LG hasn't officially announced that figure but it was given to me during a recent visit to Korea by JS Lee, head of global marketing for LG's home entertainment business.

When I asked LG's representatives to confirm it at CES 2020 they told me again that US pricing isn't finalized. They did say it would ship sometime in the second or third quarter of 2020.

19. Huawei Mate 30

Definition: Huawei Mate 30 is a line of Android-based phablets manufactured by Huawei as part of its Huawei Mate series, and the successor to the Mate 20. The Mate 30 comprises the Mate 30/5G, Mate 30 Pro/5G, and Mate 30 RS Porsche Design, which were unveiled on 19 September 2019 in Munich, Germany.

Production Date: 19 September 2019

Features: Both models utilize the Kirin 990 system-on-chip, an octa-core SoC featuring Cortex-A76 and Cortex-A55 CPU cores, Mali-G76 MP16 GPU, and a pair of AI accelerators. Six of the Kirin 990's cores are overclocked on the 5G and Porsche Design models. The Mate 30 is available with 128 GB of storage and 6 or 8 GB of RAM, while the Mate 30 Pro is available with 128 or 256 GB of storage and 8 GB of RAM. An OLED panel is used for both displays. The Mate 30 uses a 6.62 in (168 mm) 19.5:9 1080p display, while the Mate 30 Pro has a 6.53 in (166 mm) 18.5:9 1080p+ display with curved edges.

20. Cloud storage

Definition: is a model of computer data storage in which the digital data is stored in logical pools. The physical storage spans multiple servers (sometimes in multiple locations), and the physical environment is typically owned and managed by a hosting company. These cloud storage providers are responsible for keeping the data available and accessible, and the physical environment protected and running. People and organizations buy or lease storage capacity from the providers to store user, organization, or application data. It is the most innovative invention of all time.

Production Date: 1960's

Features: You can upload and download files through an account.