**Key Terms of Chapter6**

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| **Key Term** |  | **Definition** |
| 3D printer | 3D打印机 | Also known as additive manufacturing, create three-dimensional shapes by adding very thick layers of materials until the final shape is fully formed, (See also additive manufacturing) |
| 3D scanner | 3D扫描仪 | Use lasers, cameras, or robotic arms to record the shape of an object |
| active display area | （活动）显示区域 | Diagonal length of a monitor’s viewing area and is also known as size |
| additive manufacturing | 3D打印机 | Also known as 3D printers, create three-dimensional shapes by adding very thick layers of materials until the final shape is fully formed, (See also 3D printers) |
| aspect ratio | 长宽比 | Indicates the proportional relationship between a display’s width and height and is usually expressed by tow numbers separated by a colon such as 16:9 |
| bar code | 条形码 | Vertical zebra-striped marks printed on product containers |
| bar code reader | 条码阅读器 | Contains photoelectric cells that scan or read bar codes (See also bar code scanner) |
| bar code scanner | 条码扫描仪 | Contains photoelectric cells that scan or read bar codes (See also bar code reader) |
| Bluetooth | 蓝牙 | Type of wireless connection (Discussed in Chapter 8) |
| card reader | 读卡器 | Interprets encoded information from a variety of cards |
| carpal tunnel syndrome | 腕管综合征 | Repetitive strain injury consisting of damage to the nerves and tendons in the hands |
| clarity | 清晰度 | Quality and sharpness of displayed images |
| cloud printer | 云打印机 | Printers connected to the Internet that provide printing services to others on the Internet |
| combination key | 组合键 | A key, that when held down in combination with another key, performs an action |
| connectivity | 连通性 | The ability of a device to connect to a network |
| contrast ratio | 对比度 | Indicates a monitor’s ability to display images by comparing the light intensity of the brightest white to the darkest black |
| cordless mouse | 无线鼠标 | A battery-powered device that uses radio waves or infrared light waves to communicate with the system unit (See also wireless mouse) |
| digital camera | 数码相机 | Captures images digitally and stores the images on a memory card or in the camera’s memory |
| digital projector | 数码投影仪 | Projects images from a traditional monitor onto a screen or wall |
| digital whiteboard | 数字白板 | Specialized device with a large display connected to a computer or projector (see also interactive whiteboard) |
| display screen | 显示屏 | Presents visual images of text and graphics (See also monitor) |
| document scanner | 文档扫描仪 | Quickly scans multipage documents by automatically feeding one page at a time through a scanning surface |
| dot pitch | 点距 | Distance between each pixel on a monitor (See also pixel pitch) |
| dots-per-inch (dpi) | 每英寸点数 | Measurement of printer resolution; the higher the dots-per-inch the better the quality of the printed image |
| drones | 无人机 | Also known as unmanned aerial vehicles (UAVs), take input from a controller from either a radio joystick or a Wi-Fi connected tablet or laptop and act as an output device |
| duplex printing | 复印件 | Printing feature that allows automatic printing on both sides of a sheet of paper |
| e-book reader | 电子书阅读器 | Store and display e-books and other electronic media using e-ink technology |
| e-books | 电子书 | Traditional printed books in electronic format (See also e-book reader and electronic book) |
| e-ink | 电子墨 | Produces images that reflect light making the display easy to read |
| electronic book | 电子书 | Traditional printed books in electronic format (See also e-book reader and e-book) |
| e-reader | 电子书阅读器 | Dedicated, handheld, book-sized devices that display text and graphics (See also e-book) |
| ergonomics | 人体工程学 | Study of human factors related to things people use |
| flatbed scanner | 平板扫描仪 | Much like a copy machine where the image to be scanned is placed on a glass surface and the scanner records the image |
| flat-panel monitor | 平板显示器 | Most widely used type of monitor |
| flexible screen | 柔性屏 | Allow digital devices to display images on surfaces that are not flat |
| game controller | 游戏控制器 | Provides input to computer games |
| gamepad | 游戏手炳 | Designed to be held by two hands and provide a wide array of inputs including motion, turning, stopping, and firing |
| gaming mice | 游戏鼠标 | Similar to traditional mice with higher precision, faster responsiveness, and programmable buttons |
| Google Cloud Print | Google云打印 | Service that supports cloud printing |
| grayscale | 灰度 | Images are displayed in many shades of gray |
| handwriting recognition software | 手写识别软件 | Translates handwritten notes into a form that the system unit can process |
| headphone | 头戴式耳机 | Audio-output device that connects to a sound card within the system unit |
| headset | 头戴式耳机麦克风 | Combines the functionality of microphones and headphones |
| immersive experience | 沉浸式体验 | Strives to create a virtual experience by using specialized hardware that includes a head-mounted display and controller |
| inkjet printer | 喷墨打印机 | A type of printer that sprays ink at high speed onto the surface of paper that are widely used and relatively inexpensive |
| input | 输入 | Any data or instructions that are entered into a computer |
| input device | 输入设备 | Hardware used to translate words, numbers, sounds, images, and gestures that people understand into a form that the system unit can process |
| interactive whiteboard | 交互式白板 | Specialized device with a large display connected to a computer or projector (see also digital whiteboard) |
| joystick | 游戏杆 | Control game actions by users varying the pressure, speed, and direction of a control stick |
| keyboard | 键盘 | Converts numbers, letters, and special characters that people understand into electrical signals |
| laptop keyboard | 笔记本键盘 | Smaller than traditional keyboards with fewer keys |
| laser printer | 激光打印机 | Uses a technology like a photocopying machine |
| light-emitting diode (LED) | 发光二极管 | Use more advanced backlighting technology producing better quality images, are slimmer, and are more environmentally friendly requiring less power and use fewer toxic chemicals |
| liquid crystal display (LCD) | 液晶显示器 | Backlit with a common source of light that is dispersed over all the pixels on the screen and widely used for older monitors and is typically less expensive |
| magnetic card reader | 磁卡阅读器 | Reads encoded information stored on a thin magnetic strip located on the back of a card |
| magnetic-ink character recognition (MICR) | 磁墨符号识别 | Used by banks to automatically read numbers on the bottom of checks and deposit slips |
| MaxiCode | MaxiCode条码 | Bar code widely used by UPS and others to automate the process of routing packages, tracking in-transit packages, and locating lost packages |
| monitor | 监视器 | Presents visual images of text and graphics (See also display screen) |
| motion-sensing device | 运动感知设备 | Controls games with user movements |
| mouse | 鼠标 | Controls a pointer that is displayed on the monitor |
| mouse pointer | 鼠标指针 | Often in the form of an arrow, it moves on the screen as the user moves the computer mouse |
| multifunctional device (MFD) | 多功能设备 | Combination input/output device that combines the capabilities of a scanner, printer, fax, and copy machine |
| multitouch screen | 多点触摸屏 | Can be touched with more than one finger, which allows for interactions such as rotating graphical objects on the screen with your hand or zooming in and out by pinching and stretching your fingers |
| optical scanner | 光学扫描仪 | Accepts documents consisting of text and/or images and converts them to machine-readable form |
| optical-character recognition (OCR) | 光学符号识别 | Uses special preprinted characters that can be read by a light source and changed into machine-readable code |
| optical-mark recognition (OMR) | 光学标记识别 | Senses the presence or absence of a mark |
| organic light-emitting diode (OLED) | 有机发光二极管 | Replaced the LED monitor’s back lighting technology with a thin layer organic compound that produces light |
| output | 输出 | Processed data or information |
| output device | 输出设备 | Any hardware used to provide or to create output |
| personal laser printer | 个人激光打印机 | Less expensive and are used by a single user printing 15 to 17 pages a minute |
| picture element | 像素 | A series of dots, or pixels, that form images on a monitor (See also pixel) |
| pixel | 像素 | A series of dots that form images on a monitor (See also picture elements) |
| pixel pitch | 像素点距 | Distance between each pixel (See also dot pitch) |
| platform scanner | 平板条码扫描仪 | Wall or table mounted bar code scanner |
| plotter | 绘图仪 | Special-purpose printer for producing maps, images, and architectural and engineering drawings |
| pointing device | 点击式设备 | Provides an intuitive interface with the system unit by accepting physical movements or gestures and converting them into machine-readable input |
| portable scanner | 便携式扫描仪 | Typically, a handheld device that slides across the image, making direct contact |
| printer | 打印机 | Translates information that has been processed by the system unit and presents the information on paper |
| repetitive strain injury (RSI) | 重复性劳损 | Injury that is caused by fast, repetitive work that can generate wrist, hand, and arm pain |
| resolution (monitor) | 分辨率（显示器） | A grid of pixels measured in dots per inch (dpi) |
| resolution (printer) | 分辨率（打印机） | A measure of the clarity of images produced, measured in dpi (dots per inch) |
| RFID reader | 射频识别阅读器 | Used to read radio frequency identification information and a few of the uses include; can track and locate lost pets, monitor production and update inventory to record prices, product descriptions and locations of retail items |
| RFID (radio-frequency identification) tag | 射频识别标签 | Tiny chips that can be embedded in almost anything |
| robot | 机器人 | Use cameras, microphones, and other sensors as inputs and based on the input create outputs |
| scanner | 扫描仪 | Convert scanned text and images into a form that the system unit can process (See also scanning device) |
| scanning device | 扫描设备 | Convert scanned text and images into a form that the system unit can process (See also scanner) |
| shared laser printer | 共享式激光打印机 | Laser printer used by a group of users (See also laser printer) |
| speaker | 扬声器 | An audio-output device |
| stylus | 触写笔 | Pen-like device that uses pressure to draw images on a screen |
| technical writer | 技术文档员 | Prepares instruction manuals, technical reports, and other scientific or technical documents |
| thermal printer | 热感式打印机 | Uses heat elements to produce images on heat-sensitive paper |
| toggle key | 出发键 | Key that turns a feature on or off |
| touch pad | 触摸板 | Controls the pointer by moving and tapping a finger on the surface of a pad |
| touch screen | 触摸屏 | Allows users to select actions or commands by touching the screen with a finger or penlike device |
| traditional keyboard | 传统键盘 | Full-sized, rigid, rectangular keyboard that includes function, navigational, and numeric keys |
| Universal Product Code (UPC) | UPC,一种条码 | Bar code system used by retail stores to automate processes to check out customers, to change product prices, and to maintain inventory records |
| unmanned aerial vehicle (UAV) | 无人机 | Also known as a drone, takes input from a controller from either a radio joystick or a Wi-Fi connected tablet or laptop and act as an output device |
| virtual keyboard | 虚拟键盘 | Keyboard image displayed on a touch screen |
| virtual reality (VR) | 虚拟现实 | Creates 3D simulated immersive experiences |
| voice recognition system | 声频识别系统 | Uses a microphone, a sound card, and special software to allow users to operate computers and to create documents using voice commands |
| VR controller | 虚拟现实控制器 | Controller with sensors that collect data about your hand movements. Coupled with software, this interactive sensory equipment lets you immerse yourself in a computer-generated world. |
| VR head-mounted display | 虚拟现实头盔 | Has earphones for immersive sound, stereoscopic screens to present 3D images, and gyroscopic sensors to interpret head orientation |
| wand reader | 手持式读码器 | Hand-held bar code reader |
| webcam | 摄像头 | Specialized digital video cameras that capture images and send them to a computer |
| wheel button | 滚动键（鼠标） | Button located in the middle of a mouse that can be rotated to scroll through information that is displayed on the monitor |
| wireless mouse | 无线鼠标 | Battery-powered device that typically uses radio waves or infrared light waves to communicate with the system unit |