5 PEN PC TECHNOLOGY

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ABSTRACT

New discovery has been under development by the NEC corporation is considered as P-ISM("Pen-style Personal Networking Gadget Package").The gadget package system consists of five types of P-ISM, they are considered as a projector, handwritten data input functionwith a pen-style cellular phone, camera with a scanner, keyboard considered as virtual and a cashless pass function with a personal ID key. The another way of connecting short-range wireless technology is P-ISMs. Internet through the whole set is done by the cellular phone function. The ultimate ubiquitous computing is minimalist through the personal gadget.

1.INTRODUCTION

Five pen laptop shortly known as as P-ISM ("Pen-style Personal Networking convenience Package"), is nothing however the new discovery, that is underneath developing stage by necrotizing enterocolitis Corporation. P-ISM may be a convenience package together with 5 functions: a computer hardware pen, communication pen with a mobile phone operate, virtual keyboard, a terribly little projector, and a camera. P-ISM's square measure connected with each other through short-range wireless technology. the total set is additionally connected to the Internet through the mobile phone operate. This personal convenience in a very minimalist pen vogue allows the last word omnipresent computing.

2.HISTORY

The abstract image of the "pen" laptop was in-built 2003. The image device, dubbed the "P-ISM", was a "Pen-style Personal Networking Gadget" created in 2003 by Japanese technology company necrotizing enterocolitis. The P-ISM was featured at the 2003 ITU telecommunication World control in Geneva, European country. The designer of the five Pen Technology ,"Toru Ichihash", same that" In developing this idea he asked himself – "What is that

the way forward for IT once it's small?" The pen was a logical selection. He additionally needed a product that you just might bit and feel. Further, the intent is to permit for associate degree workplace anyplace." However, though a abstract image of the "pen" laptop was in-built 2003; such devices don't seem to be nevertheless on the market to customers. "The style construct uses 5 completely different pens to create a laptop. One pen could be a central processor, another camera, one creates a virtual keyboard, another comes the visual output and therefore the show and another individual (a phone). All 5 pens will rest in a very holding block that recharges the batteries and holds the mass storage. every pen communicates wireless, probably Bluetooth."

3.COMPONENTS OF 5 PEN PC TECHNOLOGY

3.1.CPU PEN

Name counsel that CPU's work is finished by a pen.each operate of general computer's electronic equipment is finished in remunerative and systematic manner. These functions ar arithmetic, logical and I/O operations. electronic equipment pen works solely with Windows software system and twin core processor is employed in it.
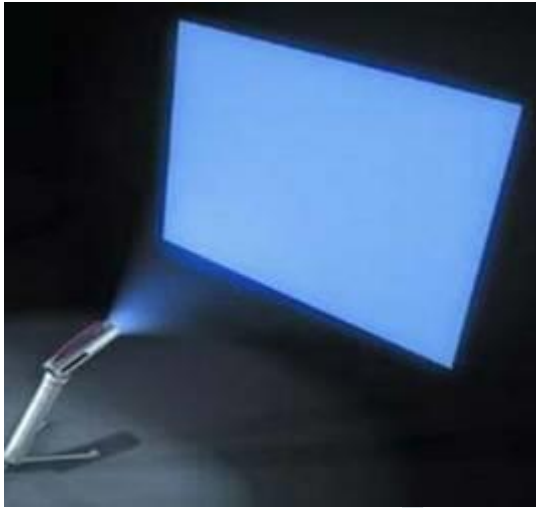

CPU Pen

3.2.COMMUNICATION PEN

This pen is employed for establishing communication between others device. It uses the wireless technology like Bluetooth or generally wi-fi for connecting purpose. This pen has primarily intrinsic cellular functions that is employed to attach it to the net and share info to relevant devices. it's conceptually kind a Tri- wireless mode contains Bluetooth, 802.11 B/G, Cellular for association.

3.3.PROJECTOR PEN

It is wont to acquire a semiconductor diode projector that is employed for visual output of the pc. This projector has smart

resolution capability 1024*768 some and nice image quality. it's necessary to project content on flat surface for higher expertise. Projector pen works in conjunction with Communication pen and Camera pen.
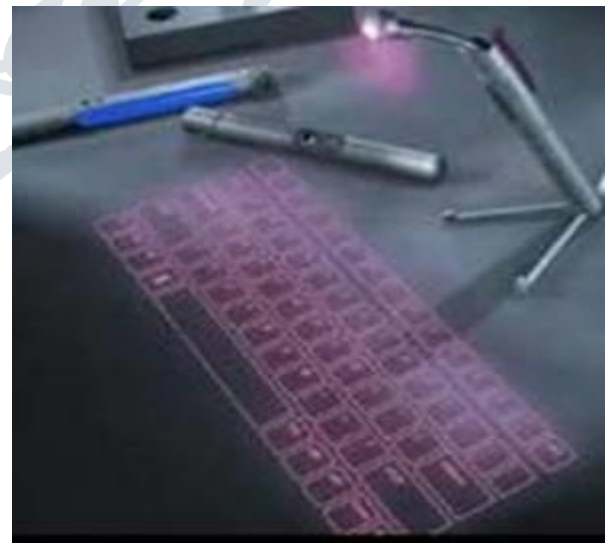

3.4.CAMERA PEN

Its purpose is to capture image and videos. It connects to alternative device like communication pen, projector pen through wireless technology like Bluetooth and wi-fi. Others options of camera square measure that it will rotate complete 360 degree and used for face recognition additionally. it's extremely moveable as same as alternative elements.
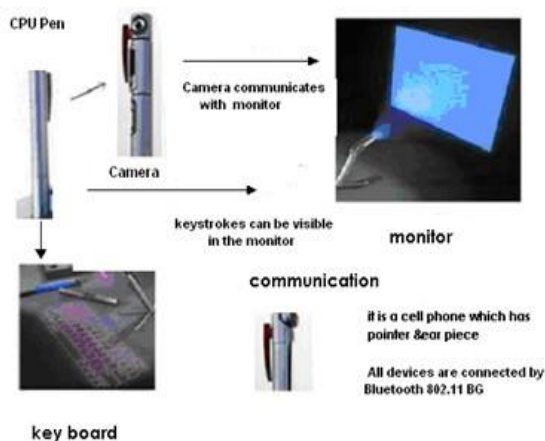

3.5.VIRTUAL KEYBOARD PEN

This pen is employed to project virtual keyboard that is additionally called optical maser keyboard. It emits a virtual keyboard on flat surface or some table that is appropriate for this purpose. This keyboard is same as general computer's QWERTY keyboard however quicker and far secure than standard keyboard. Sensitivity of optical maser keyboard is adjustable, a good feature of it.

4.WORKING OF P-ISM

P-ISM has 5 pen devices within which every device is connected with CPU pen. Camera pen is connected with Projector pen to determine communication between camera and show unit. Projector Pen is connected with Virtual keyboard pen in order that keystrokes will be created visible on show. All elements area unit connected by Bluetooth 802.11 B/G. typically devices also are connected victimization wi-fi technology.

5.MERITS OF 5 PEN PC TECHNOLOGY

- It uses wireless technology to attach devices that fully take away the hodgepodge of wire or cable.
- It is extremely transportable and straightforward to use thanks to tiny in size.
- Size of show unit will be modified in line with demand.
- It uses less internal and external area.

6. OVERVIEW

A video projector, conjointly called a digital projector, is also designed into a cupboard with a rear- projection screen (rear-projection tv, or RPTV) to type a single unified show device, currently standard for "home theatre" applications. Common show resolutions for a transportable projector embody SVGA (800×600 pixels), XGA (1024×768 pixels), 720p (1280×720 pixels), and 1080p (1920×1080 pixels).

The cost of a tool isn't solely determined by its resolution, however conjointly by its brightness. A projector with a better light-weight output (measured in lumens, image "lm") is needed for a bigger screen or a space with a high quantity of close light-weight. A rating of 1500 to 2500 ANSI lumens or lower is appropriate for smaller screens with controlled light-weighting or low close light. Between 2500 and 4000 lumen is appropriate for medium-sized screens with some close light-weight or dim light-weight. Over 4000 lumen is acceptable for terribly giant screens in a very giant space with no lighting management (for example, a conference room). Projected image size is important; as a result of the overall quantity of sunshine doesn't modification, as size will increase, brightness decreases. Image sizes ar usually measured in linear terms, diagonally, obscuring the very fact that larger pictures need far more light-weight (proportional to the image space, not simply the length of a side). Increasing the diagonal live of the image by twenty fifth reduces the image brightness by quite common fraction (35%); a rise of forty first reduces brightness by 0.5.

7.CONCLUSION

The communication devices have become smaller , compact and complicated. this is often solely a example for the beginning of this new technology. we will expect a lot of such developments within the future, It appears that info terminals ar infinitely

obtaining smaller. However, we are going to still manipulate them with our hands for currently. we've got pictured the association between the newest technology and also the human, during a style of a pen. during this method, P-ISM came that is actually a sophisticated technology and convey the computers in people's pocket. It will be sure enough nice discovery in future once its usage can general among individuals and it will modification the people's read concerning pc. "The style construct uses 5 completely different pens to create a pc. All 5 pens will rest during a holding block that recharges the batteries and holds the mass storage. every pen communicates wireless, presumably Bluetooth."

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