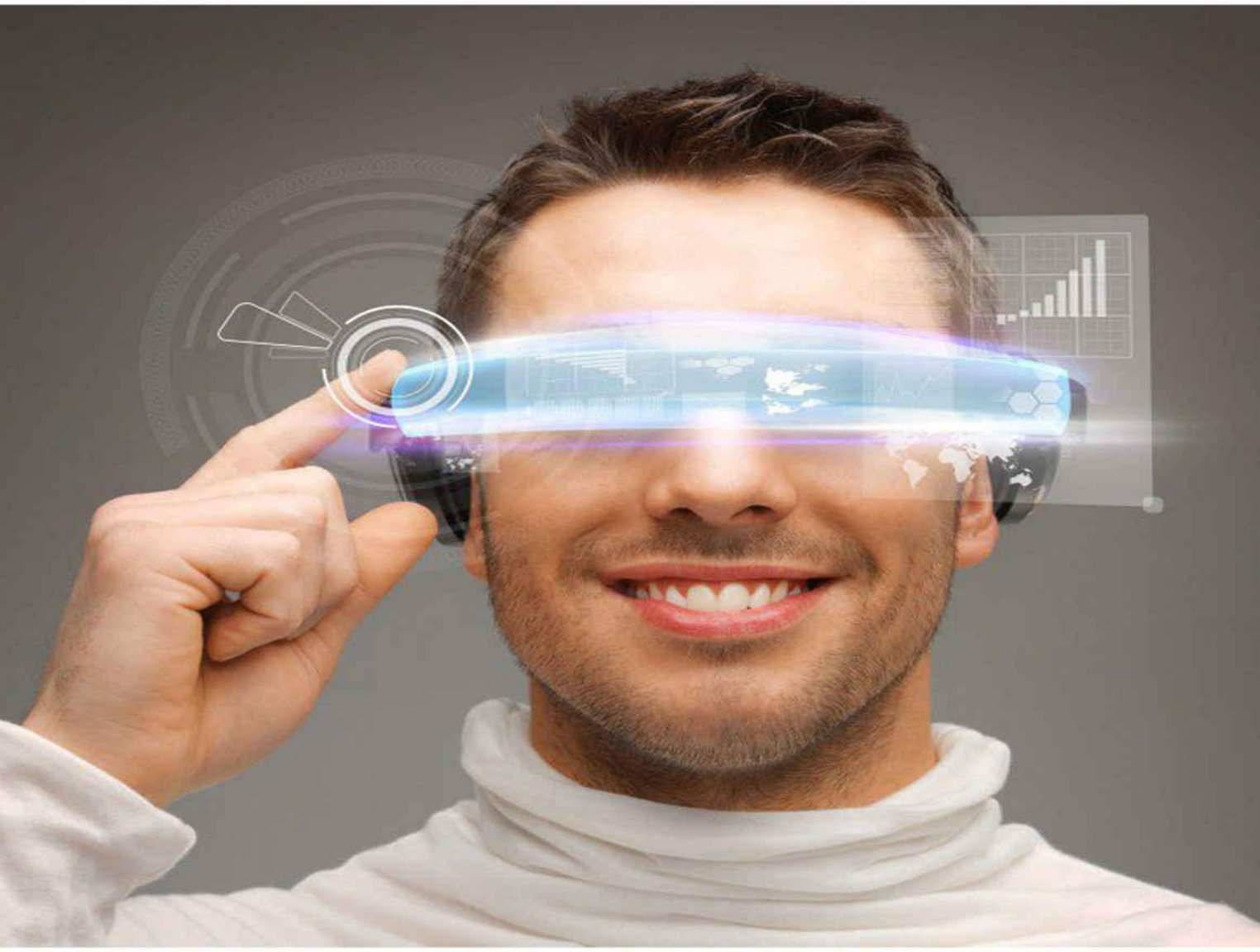
Google GLASS

By John Smith



EXPLAINED

Google GLASS – Explained

Author: John Smith

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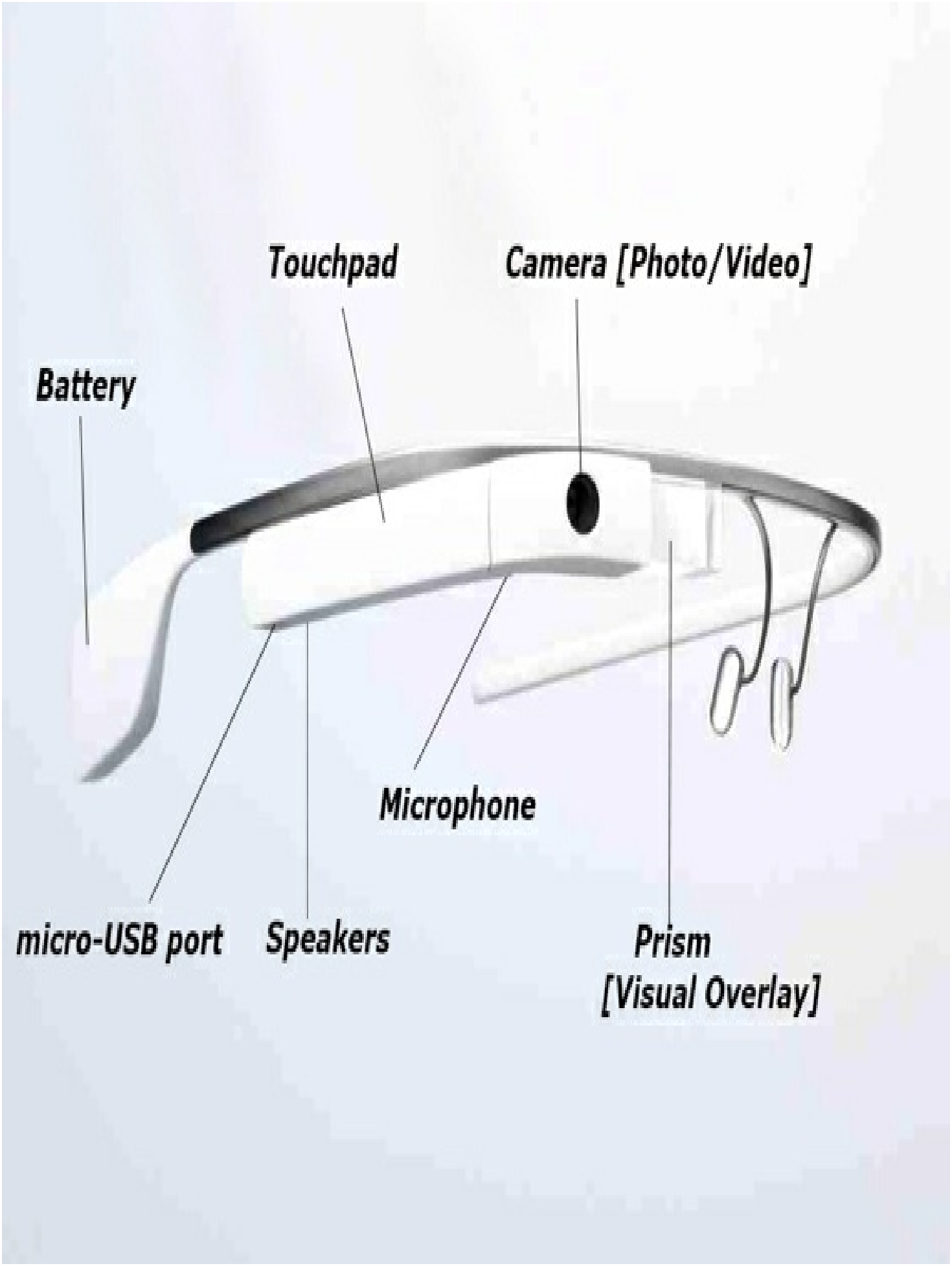
(1) Google Glass- Introduction

Google-Glass has been a really awaited technology and yes it has turned out to be a device which has the capability of being a high-tech physical extension of ourselves. To explain in simple words Google-Glass is a wearable computer that lets us harness the power of a Computer device and the Internet on the go, with minimal handling (and this feature exactly gives Glass a fantastic edge over the mobile/android phones). You can make

others live the moment with you with the ‘Live’ video recording and streaming facility in Glass using Google Hangouts - let your friends see what you are seeing as you are doing it, which really can turn out to be a unique experience. In addition to feeding yourself information, you can capture the world around you with the built-in camera and share pictures and videos with your friends on social networks.

Google-Glass is packed with Bluetooth, Wi-Fi, GPS, speakers, a camera, microphone, touchpad and possibly a gyroscope that detects head-tilts. Then there's the main piece, a tiny screen that shows you all the information you need at your finger tips. Check out the image below where the various parts of glass are briefly illustrated :


Touchpad
Camera [Photo/Video]
Battery
Microphone
micro-USB port
Speakers
Prism
[Visual Overlay]

While glass has some amazing potential, there are concerns around privacy and the continued creep of technology into our lives. Glass is a physical extension of ourselves using technology you wear it, it is present in what you do but it is also a potential barrier for how the world sees you. Some see it as culturally damaging, anti-humanising. Google-Glass has many fans and many that are concerned about what it means for our future. With that there have been a number of misconceptions about it. Let's straighten out the facts and answer common questions that we hear about glass. Whatever your position is on Glass you can't deny that it is a

technology that has the potential to change how we interact with information and the world around us. It is up to us on how we choose to use it to extend what we do in the physical and digital world. So come let's explore the highly anticipated Google-Glass and it's effect on our lives.

(2) A General Review

When you get Google-Glass there are 2 ways in which you can get the equipment. You can either have it shipped to you or you can set up an appointment for a fitting and orientation of Google-Glass at one of Google's offices that they have set up around the country. Google-Glass can work with your phone to tether to your data connection or to provide GPS and other information available from the device. Connection with your phone is enhanced when you use the myglass app that is

available for android or iOS. This App will give you a quick way to add Contacts, Apps, Wi-Fi networks and even allow you to remotely display your Glass screen using a Screen cast feature directly onto your smartphone. For other smartphone platforms you will need to rely on the myglass website to add network and other information to your glass, instead of using the myglass App.

Glass has a number of ways in which you can control and use it. One of the most common is to use a number of gesture-based commands with your fingers along the edge of the glass device. These include tapping and swaping, this will allow to navigate through menus and select items and actions. In addition to the gestures you can use on the sensor bar there are a number of other motion controls or buttons that can control glass , these include the image and Movie-Capture button , the sensors that can activate or put Glass to sleep and even an experimental feature that can take pictures with just the wink of an eye .

(3) WORKING of Google Glass

a) Finding Apps for Glass :

Now when you setup Google-Glass, you will be using the myglass application. The myglass site has all the apps you can install that are approved by Google. Now there is also a mode on Google-Glass were you can open it up for developer use, this is a mode on Google-Glass that allows you to use this with any application that's been

developed by the Open-source community. Those applications haven’t necessarily been approved by Google, so make sure you use them with the right amount of precautions. Now all the applications that you see on my glass as well as all these other applications are not part of the android market or Google Play, that means that there aren't necessarily the same reviews it might be used to when you take a look at those applications on both of those sites.

b) Music with Glass :

To Listen to music using Google-Glass you need to use the Google-Play-Music app, it is the only current app that is available through myglass to play music on your Glass. Now this application requires you have a Google-Play-Music-all-access account to use your streaming account to then play back music onto the glass.

c) Data Storage in Glass :

Now Glass is just like your smart phone, it has a built-in memory inside of it, so you can use that memory to store photos and videos you have taken using Google glass. Now in addition if you wish to access those photos & videos use the micro-USB port here. When you plug this into your USB port on your computer, just like you would with your smart phone you will see it mounts as a folder or as a drive on your computer, you can access the files that are located on that to move your photos and videos

to your computer. Now in addition the amount of storage you place on this may vary based on - how many applications you have and also how many apps or photos or videos you have installed at the same time. So as you've added new photos and videos on to the Google glass you can take those photos off to reclaim additional space on the device.

d) Can Glass be controlled with my phone or not :

Now when you use Google glass you're going to be using it in most cases connected in a tethered mode with your phone. So on the phone if you're using an iPhone or an android phone there is an application called myglass. It is very similar to the website myglass that you use to get everything setup, to install apps and add contacts. In fact the myglass app for android and also for

iOS allows you to make sure that your device is always synchronized and can share data that you are using on your phone. So in essence you are not exactly controlling with your phone but your enabling your Glass to let connected to the Internet and you can modify some application settings and contacts using the myglass app on your phone .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5°C

e) Glass -Smart phone Comparison:

So with glass having a lot of the same features connected to your phone you might wonder well how is this different than using my phone. Well one of the reasons why glass was created is because the creators of this were looking around and seeing the entire world just focused on their phone in front of them .They wanted to open this up so that people could experience the world around them and to interface with people and things just as they would ordinarily do without technology. That's the main

difference between how you use this with a phone versus how you use this with Google glass. So all the applications, being able to make calls, do video-conferencing and all those might be the same that you might be able to do on your phone – “ THE WAY THAT YOU DO IT ” is the biggest difference between a phone and a Google glass .

(4) Google Glass Customisation

a) Wearing Normal glasses with Google-Glass :

If you require a prescription either through contact lenses or with glasses, there are going to be some changes on

how you actually use Google glass. Now if you wear contacts, you can actually just use a regular pair of Google-Glass. Google recently released a new version of Google glass which actually has it based on a real glass frame. So in that case you can take that frame have custom lenses made for it and you will see that on those you will have the same kind of bar that appears out to the display, it is just really regular pair of frames. If you have any specific questions on how this might actually work with your vision, based on a prescription or some other aspects of your vision that you might be concerned about, make sure you contact a medical professional who can answer your questions.

b) Can multiple people use Glass :

Now when you setup Glass you are linking it to a single Google account. You can't have glass access multiple Google accounts at the same time. So unlike a computer were you can have multiple accounts and people can switch between profiles, with glass it's locked to one account. If you wish to have this Glass be able to work with a different account, you need to reset it and then reset it up as a new Google glass device.

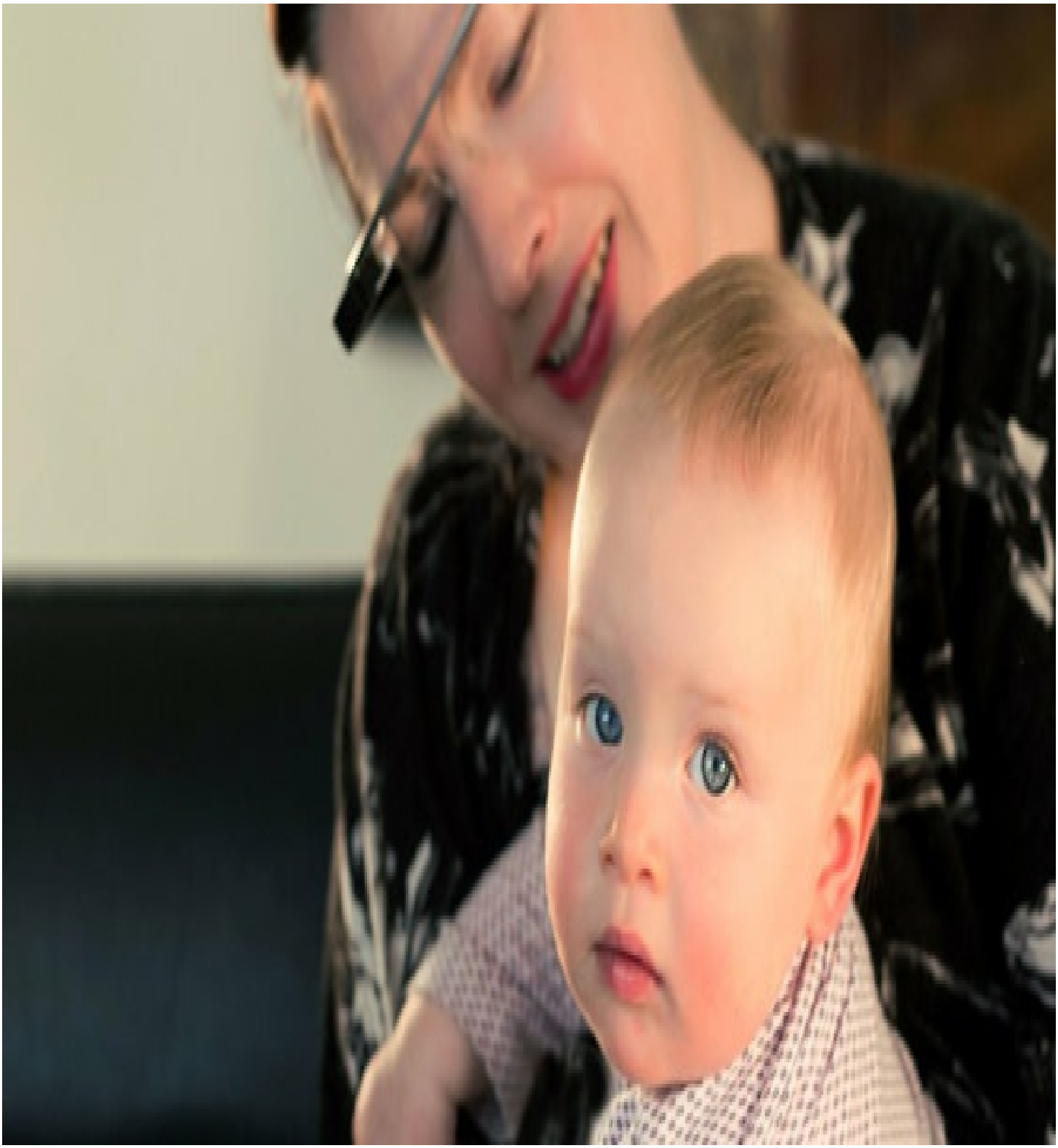
c) Notifications : Changing or Turning it off

Now dependent on the applications that you are working with Glass, there are lots of options were you can change the frequency of how you get notifications. There is no system-wide notification option like you might expect on an iPhone or android phone, you have to do it per application. A lot of times like with some of the apps that gives you news information like the CNN app you can change which types of breaking news alerts you had like to get. But again

these are all based on individual settings of this applications. Typically to modify those settings you are going to use the myglass app site to modify the settings that are part of those applications. Those settings are then transmitted to the Glass and then are applied when you are using Glass in the real world.

(5) Real World Compatibility

a) Interacting with a person wearing Google-Glass :



When you're interacting with someone wearing glass there are few

things that might go through your mind, the first is whether they are recording you or not. Google glass is not constantly recording videos or photographs, in fact the user needs to specifically tell Glass to take a picture or shoot a video using the camera button or through voice or other gesture commands. Now when you wear Google-Glass, you might think that it will obscure your vision, it actually doesn't and you will have a clear line of sight in front of you and can interact with an other person or anything else around as you usually would. The screen is above the line of sight on the right-hand side and since it's transparent when it isn't 'On', you can see straight through

to whatever is behind it. But even though it isn’t interfering with the site when it is on it is the first thing that you see on a person wearing Glass, so sometimes it feels more like a barrier for those that aren’t wearing Glass than for the person that is. The best thing to do is to just interact with them as you would as if they didn't have it on at all, but if you're still having issues you should feel completely comfortable asking that it be taken off, just as if someone was holding a smartphone up to take a picture, there's nothing wrong with asking that it be removed, especially if that’s causing you issues with communicating. When glass is in use you will see a small light on the

glass screen, you won't be able to read it from your vantage point but you will see the light to indicate that there is something on the screen. When the screen is ‘ON’ in order to see it since it is outside of your line of sight, you would have to look up to see the screen, this can appear odd with the person seemingly looking into distant space but they are actually looking at the glass screen. So if you are interacting with someone wearing Glass the best rule is to just be open and honest , if you are’nt comfortable with someone wearing it be open to ask that they take it off atleast while interacting with you. But also feel free to ask questions and learn as much as you want about it. You may find that

over time you don't mind it as much as you did in the beginning but sharing your preferences should always come first and that is part of any good conversation regardless of what is on their face.

b) Google-Glass and Evolving social norms :

While some argue that looking blankly into space is just as off-putting as staring at a screen in your hand and at a basic level we can't argue with that, but it also raises the question of what are some of all the acceptable norms for how you use Glass. Generally I would recommend that you use the way you look at your smartphone as a guide for how you use Glass. If you're in a situation where checking your phone for texts, social media updates or other apps

is acceptable, then you can use that as a guide for using Glass. If not for instance if you are at a restaurant and you don't feel that bringing your phone out would be acceptable, then you can use that as an indicator to whether or not you should take Glass off or not. It is also important to just be aware that not everyone likes to have their picture taken. Be cognizant of your surroundings and think about the smartphone as a guiding principle for how you use glass in public. For me personally I actually feel very self-conscious when I tend to wear this in public. I feel that people are looking at the Glass and not me so when I use it, I'm using it for very specific reasons like

for navigation directions, to take a picture or a video of a family event or being be able to see it with my own eyes or to share something like an awesome sunset that I want to post on social media or stream live over Google hangouts. For me it isn't an always-in-use device, it is a tool that I use based on my own preferences and with what is comfortable to me. But with that, I always have a ear and an open mind to what is comfortable for those around me as well.

(6) Travelling with Google Glass-ON

a) ‘LOST’- Never Again

Since it’s built with a GPS chip, it’ll be able to help you navigate, with help from Google Maps. This will take away the need to look down at your smartphone and it will be especially handy when you are driving, when you’re walking through crowded streets or when you’re hiking through the countryside. Travellers, backpackers and even long distant cyclists won’t have to stop and check on where they are. In fact, this is the perfect example of augmented reality.

b) Stop being a ‘Stranger’

Think about travelling and visiting a place where you don’t speak the local language. You can now convert the Currency rate, understand the measurement system (metric or not), or translate your questions and their answers on the spot with Google-Glass. Get the fun facts, best drinking spots, and gain access to the local secrets when you are still there, not when you are back in your apartment looking through vacation photos.

c) Where can I wear Google-Glass :

Now when you are using Glass on a walking environment it’s really very easy to use. Also I've known that people have been using when they are on a bike just long as that it’s not obscuring their helmet for any safety issues. When you are using this in a walking environment make sure that you are always having the site outside of your field of vision, you always want to make sure this is high and off to the upper right-hand side, so that you can always clearly see what's in front of you. Now there are actually been

a couple of court cases that involve Glass and how it's used while driving. While Glass isn't necessarily 'ON' all the time and is usually in a sleep mode, it generally is not accepted that you should be wearing this while driving. Now this can vary from state to state but as a general best practice take Glass off while you are driving.

d) Avoiding Traffics

Live information that is shown to you would come from the predictive software of Google Now. On Android's Jelly Bean, Google Now knows when you're leaving your home for work and can warn you of bad traffic before you get stuck in it. You can also set your favourite sports team and it'll give you the latest news, scores and updates from the team, whenever they play.

e) Is Google-Glass allowed on a Plane :


A380
A380 AIRBUS

Now with Glass you can wear it on a plane, mostly because of new FAA related regulations have changed the usage of devices while on flights. But at the same time you need to make sure that Glass is not currently transmitting or is connected to a tethered device. When you are using devices that are using Bluetooth technology, generally you can't use those while on a plane. Again as a general rule since you're in a relatively close situation and there are a lot of close quarters on a plane, make sure you are cognizant of those that are around you and only wear glass if you feel that the situation will allow it.

f) Where can't I wear Glass :

When you are wearing Glass you undoubtedly have to come across situations where you are going to be asked to take it off. Generally this will always exist in places where you can’t take photos or videos such as in a museum or places where there might be security issues around photography or video taking.

g) Is Internet compulsory to use Glass :

Now glass is best used when it's connected to the Internet, either connected to a Wi-Fi connection or through my phone through a tethered data connection but say if you are going to a hike somewhere or you're going camping you can totally use this device by using the camera or the video capture. Both of those will save the files directly onto the device, so you don't have to have an always 'ON' Internet connection to use Glass.

(7) Security & Features & Maintanence of Google Glass

a) Does Glass have any Security features :

Glass doesn’t have any specific security information that is located on the side of the device. There is’nt any antivirus software or malware software, basically it's just being able to access your Google services and any network devices you will have connected to this including your cell phone. So whatever you do with your cell phone, in terms of accessing information on websites or services, whatever security measures you take on your own to make sure that

you're using this in a safe environment, make sure you also duplicate with Google-Glass.

b) If Glass gets Stolen , What would I do :

Now if your glass is ever lost or stolen, there is a way that you can remotely wipe what's on the Glass. To do that on the myglass website you use the " RESET " option under your account. When the Glass is then connected to the Internet for the next time, it will receive that request to remotely wipe it and delete your information including your Google account and also any files including photos or videos you've locally stored

on Glass.

c) Cleaning Google-Glass :

Glass is not waterproof, so if you're wearing this out in the elements you should make sure you take it off to avoid getting it wet. Now with that you might ask how am I going to clean it, generally just like with the smartphone use a damp cloth or some sort of microfiber to be able to clean all the different various surfaces including the little screen, the camera surface and also the nose guards and generally anything you would use to clean a actual pair of glasses - you can use to clean Google-

Glass.

d) How Do I know if I am being Filmed or Photographed by Google-Glass :

If you see someone and you are wondering if they're taking a picture of you, there are few ways you can tell. If someone is wearing glass and they push on the camera button then they are currently actively taking a picture. Now in addition just over any other functions of Glass you can control most actions using your voice. In this case if we say “Okay Glass take a picture” it will then

use the camera to take a picture of whatever is in front of it. In addition all functions which you can activate with your voice, you can also activate with the Menu commands that are located on the right. So they can slide to Picture, tap it a couple of times to take a picture.

Now there's a fourth way, this is one of those experimental features as part of glass, this feature is not turned on all the time but users can turn them ‘ON’ if they want to. You will see in the inner right side there's a small camera, now this camera isn’t used for taking pictures , what this camera can do though is it can actually detect your eye, with this experimental feature ‘ON’ if I wink my

eye it will sense that and then take the picture. Now generally whenever you're having a photograph taken you'll hear some sort of a click sound coming from the speaker inside of the Glass but there is no actual flash or any kind of red light that shows that the photograph has been taken.

Now filming is also done the same exact way, instead of just pressing on the camera button once if you push and hold it, that means you are filming. It's not just a single picture it's actually creating a movie. Unlike a camcorder or any type of mobile device that might have a red light that showing it is currently recording, there is no light here. So just

like with an iPhone or android phone if you are recording a video there is no indicator that it actually is happening. Again the only way you can tell are if they are pressing the button or if you actually hear them activate with the Voice Command “ Take a Picture ” or “ Take a Video ” .

(8) Some Important Practical Benefits Expected from Google-Glass :

a) Monitoring Health

As Glass has a built-in GPS chip, your movements can be easily tracked. Together with an external health tracking

monitor or through health related apps, Glass could probably display, track or log in your pace, speed, heart rate and running duration for use such as when you're running a marathon. Its capability to have sunglasses attached also means it'll be perfect for use on bright sunny days, and the avid calorie counter may be able to keep his or her nutritional intake in check almost constantly. This can be a real motivation for the person as he or she is seeing in real-time (almost) the improvement of their own health right in front of their eyes. (Note: No matter how much we deny - human beings are predominantly Visual Beings and this is exactly the reason why nowadays the popularity of Radio can no

longer even be compared to the “ INCREDIBLE ” popularity of the Visual Media.)

b) Can be used in Serious ‘ LIVE ’ Education :

We know that Video Tutorials have far wider and lasting effect in education than normal education confined to a classroom. The reasons are obvious ie. Can be distributed through various digital medias or channels, can be repeated any number of times, can be multiplied, can be kept for future references - the advantages are enormous. Now Glass can help push that barrier even further by recording tutorials in for instances from the type of

spaces where mechanics find themselves in when fixing a car engine or machinery parts, or in restricted areas where only the Surgeon and its staff is allowed.

Here, Glass keeps the Mechanic's and Surgeon's hands free to work their magic, and still gives students a first-person view of the masters at work. It would be great for the feed to be streamed ' LIVE ' and to allow the viewers to get to experience what is happening in real-time.

c) Live More

As Glass makes it easy to instantly switch-in when needed and it's compatibility factor, really helps people to engage in other normal life activities by not worrying about missing an important call or email, as they receive these instantly in front of them. Remember while all this is happening your hands are free to engage in other activities and not busy clinging to a phone/holding a Tablet/Laptop, etc….basically you are living more.

d) Augmented Reality Recommendations

Glass giving us augmented (reality) recommendations on shopping deals , different prices , current trends , customer reviews on the specific stores or brands , product availability in different stores , comparing prices etc….can all basically clear the air and make our shopping much more efficient, fast and more fun so to speak.

Even when you are planning to visit a restaurant or walking past it, you

can directly look into their menus , chef's recommendation of the day , customer reviews on the restaurant , etc…….and take a decision right then and there (and not waste your precious " money " and much more precious " time " in the restaurant incase the experience turns out to be bad) .

e) OS Compatibility

Support for popular mobile OS like iOS, Android, Windows as well as OS like Ubuntu, Firefox, Tizen and Sailfish are expected in the future versions. With widespread support and a higher user base, and seamless integration with apps, we can hope Google Glass and it's future versions becomes affordable and thus used by everyone else out there.

f) Personal Assistant

Equipping Glass with a personal assistant app like Siri on iOS or alternatives found on Android lets you manage your work life even better via voice commands, say, to schedule reminders, alarms and events. You can set reminders as and when you have made decisions during a meeting, gotten a reply from a client or finalized a plan that is good to go.

g) First Person View

Glass among it's various uses can be used for a first person view on important events. The First Person View on real events can impact the viewers in a big way. The medical team performing an emergency rescue mission , real encounters of police officers on-duty , disaster management team risking everything to save the lives of others , etc….This can be much more real than the Reality TV shows with set-up cameras for obvious reasons.

h) Video Conferencing Made Easy

We know that video conferencing on the go with Laptop or other devices isn't that easy. But with Glass this can really be a possibility, as the only thing you have to do is lift your hand and 'ON' the Glass . The main advantage is that it's much easy to put on a Glass compared to carrying a Laptop everywhere you go. [Currently according to Global stats Video conferencing for Businesses are mostly done on Laptops] . The idea is Glass can

make the process much easier and hassle-free.

i) ‘ LIVE ’ Entertainment Info

In Sports Entertainment, Glass could provide info and latest updates on our favourite team and player news, table standings and past results the moment you switch TV channels or when you’re at a live sports event.

Glass could also provide information about synopsis or facts about fashion programs we are watching on TV , stats about our favourite actor, the shows they’ve acted in,…etc

(9) Scope of Google-GLASS in Healthcare

Whether or not by design, Google-Glass is revolutionizing the healthcare world. As in fields like higher education, third-party application developers and users are embracing Glass to deliver highly empowering, meaningful Glassware with amazing results. Mark Taglietti, head of ICT delivery services and vendor management at London University

College Hospitals says, "Google-Glass represents a step change in technical innovation, wearable technology, and the convergence of personal devices in the workplace. The healthcare applications of Glass are wide-ranging, insightful and impactful, from enabling hands-free real-time access to clinical and patient information, to the transmission of point of view audio and video for surgical research and educational purposes. Glass marks the beginning of a truly remarkable journey for technical innovation within healthcare, enabling providers to improve the delivery of care, as well as overall quality and patient experience."


OESOPHAGUS
5
LIVER
4
3
2
1
STOMACH
6
7
8
9
LIVER AND DIGESTIVE SYSTEM CHECK-UP
- Taking blood sample
- Ultrasonography
- Liver elasticity measurement
- Liver biopsy
- Consultation with the doctor

a) Virtual Dictation

Physicians typically spend hours each day on patient documentation and electronic health records (EHRs). Augmedix is a Glass application that provides a better way for doctors to enter and access important patient information in real-time without being tethered to a computer. Dignity Health uses Augmedix software and Glass to streamline the interaction between physicians and patients. Doctors can maintain patient eye contact while their conversations are securely recorded along with visual information. The software also makes it easy for doctors

to access patient data and conduct searches using simple verbal requests.

b) Telemedicine

The nature of telemedicine is to connect doctors to patients on-demand. The range of telemedicine scenarios is vast. Glass can provide synchronous video conversations with physicians at remote locations. Remotely-conducted procedures can be recorded and embedded in patient records for future reference. With Glass, physicians at rural hospitals can consult with specialists located anywhere in the world in real-time to provide world-class service to their patients. Telemedicine also plays a major role in streamlining care to hospice patients.

Care providers can communicate with physicians remotely and proactively monitor patients whose EHRs can be transmitted in real-time. The seemingly high $1,500 price of Google Glass is significantly less than other types of hospital videoconferencing, which can run upwards of $40,000.

c) Resident Training

The Stanford University Medical Center Department of Cardiothoracic Surgery uses Google Glass in its resident training program. Surgeons at the medical center use glassware from CrowdOptics to train residents on surgical procedures. Fluid communication between surgeons and residents can be critical for improving the procedures. With the Crowd-Optics software, surgeons can watch the progress of residents and provide visual feedback on their technique. This is truly

like viewing a day in the life from the clinician's perspective.

d) Augmented Reality

Philips Healthcare uses Google Glass to overlay information directly into the clinician's field of view. The Philips IntelliVue solution allows doctors to monitor patients' vital signs during surgical procedures without ever having to take their eyes off the patient. Augmented reality gives doctors expedited access to the information they need in settings where they need it most. Live streaming of procedures can also be used with augmented reality applications for teaching.

e) EMS Communications

Google Glass can provide communications with a direct field of view for EMS ambulance staff and emergency department specialists performing triage and assessing acute strokes, heart attacks, and trauma in the field. MedEx Ambulance Service has partnered with Advocate Illinois Masonic Medical Center in Chicago on a Google Glass implementation for their ambulance fleet. The use of Glass allows EMTs and paramedics to stream images and video from the field to

awaiting emergency room physicians who can view the trauma before arrival. Advice, diagnosis and treatment options can be given to the paramedic team from doctors at the hospital who can provide advice, diagnosis and treatment options back to the EMTs. This is especially helpful for more difficult and less frequently-handled procedures.

f) Surgical Training

Glass can provide “ a you are there ” experience to walk students through surgical procedures. Dr. Paul Szotek, MD, of Indiana University Health Methodist Hospital has used Glass to live-stream hernia repair and abdominal wall reconstruction surgery to an audience of 600 physicians in Las Vegas during the Americans Hernia Society's annual conference. In his live stream, Dr. Szotek removed a rare type of midsection tumor from the patient as well. He was able to summon the patient's MRI and x-ray scans, hands-free, in the midst of the procedure. In the

UK, Extreme Networks is helping one of the largest healthcare trusts use Glass to record surgeries for educational purposes.

g) Improved Rounds

Beth Israel Deaconess Medical Center has developed custom Glassware that lets doctors scan a QR code on the wall of each room in the emergency department to instantly call up information about the patient. While the clinician examines the patient and performs procedures, Glass displays alerts, vital signs, lab results, and other data.

h) Improving The Patient Experience

Patient satisfaction as reported by patient surveys is now vital for all hospitals. With Google Glass, patients can get world-class care from the comfort of their homes. Specialists can be summoned remotely by doctors anywhere in the world to offer the best patient experience possible. The use of Google Glass will provide better-coordinated care and better outcomes with fewer office visits; all while reducing costs.

i) Procedure Analysis

That which is not measured cannot be improved. With hands-free, augmented point-of-view features, Google Glass enables clinicians to review emergency triage and operating procedures for training and self-assessment. This helps improve accuracy for future procedures as well as reduces the likelihood of mistakes. Glass-based recordings can also provide teaching tools for resident students and a means of compiling best practices for procedures.

j) Patient Communications

Communication between medical staff and patients is critical. For nurses, patient alarms and communications via Glass will allow a more natural workflow than is provided today with traditional wireless phones and pagers. Clinicians and patients can have uninterrupted communications during office visits. Follow-ups can consist of more efficient remote videoconferencing, rather than requiring onsite visits.

k) Improved Visibility

In the tight space of a surgical procedure, streaming perspectives via Glass from multiple angles will improve real-time visibility and provide recorded videos for future use. Doctors can broadcast their surgery in real-time to students located remotely in a campus conference room. This gives students much better visibility into the procedure, rather trying to view it from around a crowded operating table.

l) Telemedicine For Acute Patients

The cloud-based telemedicine platform Twiage is designed to accelerate care to heart attack and stroke patients. By using Glass, Twiage provides hospitals with a complete picture of incoming patients to help in managing resources like operating rooms and hospital beds. The innovative pilot project GRACE by Cronos Group shows how Glass can be used to assess acute patients and relay information to hospital ER teams. Quick access by specialists to the patient is critical in stroke cases.

Glass can provide EMS teams with real-time neurological evaluations of stroke patients to improve decision-making and expand the therapeutic window for tissue plasminogen activator (tPA), an injection for patients suffering from a stroke due to blood clot. CrowdOptic and medical transportation provider ProTransport-1 are making this rapid access time and assessment of acute patients a reality with Google Glass.

m) Patient Care Instruction

Every patient is unique and seeks medical insight on widely different issues. Clinicians with Glass can improve medical records by logging what has been said to the patients and families during consultations. These recorded patient care instructions can eliminate any chance of the patient forgetting instruction or recalling it incorrectly. There will be no paper trail to lose sight of. California-based Kareo has created an app that offers Google Glass for patient care instruction.

n) Faster Access to Information

Hands-free access to patient records will allow clinicians to look up vital information without taking their attention away from the patient. Information from patients and doctors can be fed into patient records through Glass. Instead of loading EMRs on a tablet or laptop, the doctor can simply start a conversation with the patient, summon the EMR from Glass, and continue without missing a beat. Faster access to this information means more valuable time with the patient.

o) Compliance

Google Glass can insure that the proper processes are followed and that communications are conducted in accordance with hospital policies and government regulations. HIPAA-compliant application developers like Pristine and Crowd Optics are making sure that streaming audio and video across the hospital network through Glass is in accordance with all regulations.

These stories and use cases of Google Glass adoption, paint an amazing picture of how the technology is

revolutionizing healthcare. Glass provides an open canvas for application developers to shape the future healthcare landscape, and Google Glass is but one of the emerging wearables transforming healthcare.

(10) Conclusion

Even though Google-Glass cannot be mentioned as the innovation of the century, it really is a fantastic step towards a better social life, as we can switch between the tech and our social interactions with no difficulty. To be able to look up and experience the world around us, really can bring in numerous possibilities. And yes we can hope this is the beginning of integrating technology into our lives, in a way that the ‘ tech ’ itself never isolates people from one another, but gels along.

(11) Would You Do Us a Favour...!!!!

It's hard for the books of independent authors to get noticed these days. If you liked this book (we really hope so, as we have tried our Best for that...!!), please consider writing a nice review on Kindle. Nice Reviews are very helpful for an independent author like me to get noticed in the huge crowd out there and would really be a helping hand from your part towards us to move forward (ie. to continue writing).

THANK YOU All for your precious time, and wishing you all - the VERY BEST in Life.....Take Care...!!!!

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