

Hello*****

December 17, 2013

Hope all is well
Thanks for the info on the Smartwatch.

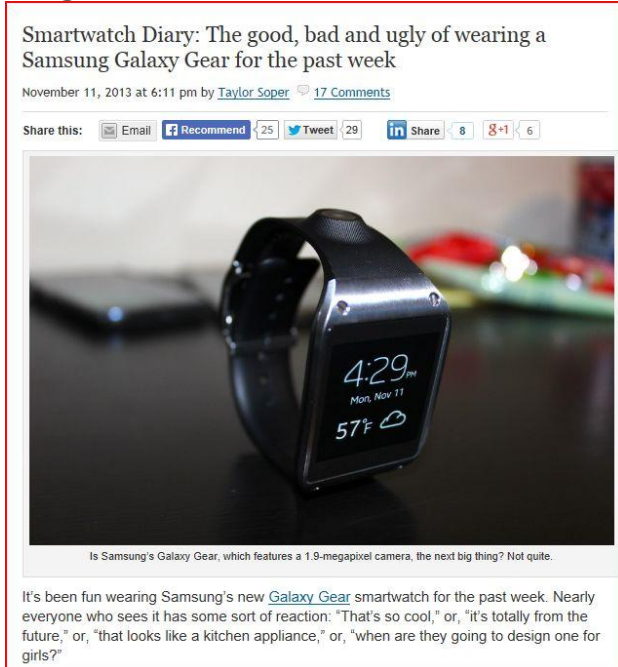
I think this technology is just a sign of things to come.
Cameras are now being concealed in even the most mundane of objects...



Typically, these hidden cameras are relatively low resolution and would not support the frame rate necessary to freeze a playing card in mid-air or record a riffle shuffle for replay. Keep in mind, that the Smart Watch (or any item) could be used to conceal more sophisticated devices.

(FYI: I was contacted by the LA County Sheriffs Dept. to help investigate a suspect casino loss. As it turned out, the dealer was involved and the camera was concealed in the bankroll tray...(Dealers "Carried Their Own"...meaning they took their own bankroll off the game & the break dealer inserted a new bankroll). The riffle shuffles needed to be inordinately long due to the low resolution of the camera. The video was "Carried" off the game as opposed to transmitted off the game. Again, commercial grade cameras and transmitters do not have the band width necessary for frame rated video.

Professional cheating rings that employ hidden cameras will use robust transmitters and industrial grade technology. That being said, any hidden camera (including the Smartwatch) can be used to compromise the integrity of casino games.



The applications could be as simple as Card Counting or Shuffle Tracking for advantage play, or to recording the order of the discard rack for false shuffle scams.

By altering the light gathering capability of even a simple commercial grade camera, it would be possible for certain marked card chemicals to fluoresce at wavelengths not visible to the naked eye or surveillance.



I don't mean to lecture in this response, but it would be wise to accept the reality that the "Bad Guys" can bring hidden camera technology to our casino games. The professional crews will conceal the cameras in a fashion which will go undetected by casino floor personnel and surveillance.



Another reality which needs to be accepted by the gaming industry is that even though cheaters technology has evolved dramatically from the bulky full body worn cameras and devices...Simple Game Protection has not. Whether the Plus/Minus Card Count is gained with simple math skills in your head or with a Smartwatch, the play will look like Card Counting.



Cell phone applications for card counting and basic strategy...Card Count Key Fob

However the Bad Guys gain marked card knowledge, (from low tech to high tech methods) the resulting table game play will look like "Marked Card Play". Even with imperfect knowledge on the part of the cheaters, there will be elements of the overall loss consistent with compromised play. Intelligent analysis of table game losses will reveal secret knowledge on the part of the customer...however the secret knowledge was accomplished.

As you know, the Nevada Gaming Control Board and the Division of Gaming Enforcement in New Jersey have banned Google Glasses from play.



Some casinos and some game protection guys are blaming playing card companies for the imperfect playing card borders which facilitated the "Playing the Turn" fiasco which surfaced throughout the industry. Some casinos are suing playing card companies and even their own customers because of the factory pre-shuffled card debacles which have surfaced throughout the industry...more than have been reported.

It is my opinion that these are "Knee Jerk" reactions to simple game protection considerations which in many cases were consciously disregarded by top management along with permitted violations of SOP's & P&P's, which are the real reasons these losses were encountered.

FYI: Go to my web training site www.georgejosephtraining.com and read the 19 page memo which I recently updated, Diamond Sort Scam and pay attention to the Dinosaur Game Protection pages.

***** , I have recently met with the California DOJ in regards to suspected marked card play. I have also had private conversations regarding the pre-shuffled card incidents and the several "Playing the Turn" incident which I cannot share in this memo. But we can have a private conversation if you'd like.

Please contact me if you have questions

Respectfully Submitted,

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GJ/ccj