

# Protecting Your Games Beyond the Pit Layering Security

How is your network system being protected...

# Protecting Your Games: Beyond The Pit

- To effectively reduce the likelihood that an outsider can gain access to critical systems security practices, technology, audits and exceptions must be in constant review so we do not become complacent.

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- Add to the challenge the insider, with employee theft contributing to criminal cases at between 32% to 40% of the time.
- As an example in 2009 in Nevada employee gaming criminal cases where employees were involved accounted for 67% of all monies involved in those matters. So the methods used should hold employees and outside vendors to the same level of concern.

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- The comms room or NDF closets can have cameras facing the racks and a camera on the access door. These cameras can use motion zones to activate pop-up of the video on security or surveillance video walls.
- The door locks can be change to a cyber-key or card access for entry into the closet.

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- The cabinet doors can also have locks with a cyber-key for live alerts to an open or ajar-door condition where it will record who has accessed the rack itself (in-case of insider job) and SMS Text or emails can be generated to the IT group and security adding a multi-layer challenge when a critical or secure rack is access, even if for a legitimate reason.

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- The rack doors can all have an activation switch if an opened circuit is detected and integrated to alarm point activation and video pop-ups combined with audio microphones and 2-way communication as a response challenge.
- The network switch will be locked off on the unused port, so no one can use the spare network ports unless activated.

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- The used Network ports to be configured with a mac address lock; this will make it that the device placed on that particular port can only be used on designated ports. The Mac address can still be spoofed but at least it will slow down their attack of the system.

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- The obvious for an outside attack is isolating the network. Typically most surveillance camera systems are on closed networks, which is why layering security is of major importance.
- Additionally more in-depth background screening of key technical personnel can be considered to the same standard as security and surveillance key employees with period review of these persons in positions of trust.



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- If a supplier or vendor agreement includes technical support that those companies provide a duty of care to include background screening and these employees badged to the property for compliance to rules, regulations and the authority of the property.
- Surveillance and Security should have access to visitor data bases on employees to be able to actively compare video in a dynamic manner.

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- Casino security, surveillance and IT departments have to work together to achieve a proactive and layered program with a common theme to protect the property that today includes cyber-attacks.
- With the majority of business units in a gaming operation using server based technologies there are many points of entry for an attack that need to be considered.

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- In conclusion this process of layering security and operational practices is an ongoing matter. Through the door we open with the level of innovation that casinos use today, criminal attacks today use the crimes of the past in their simplicity to leap forward into the cyber-age where the rewards can be greater and the scam sustained longer before detection when we become complacent or believe that “nobody would do that”...

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## Analog

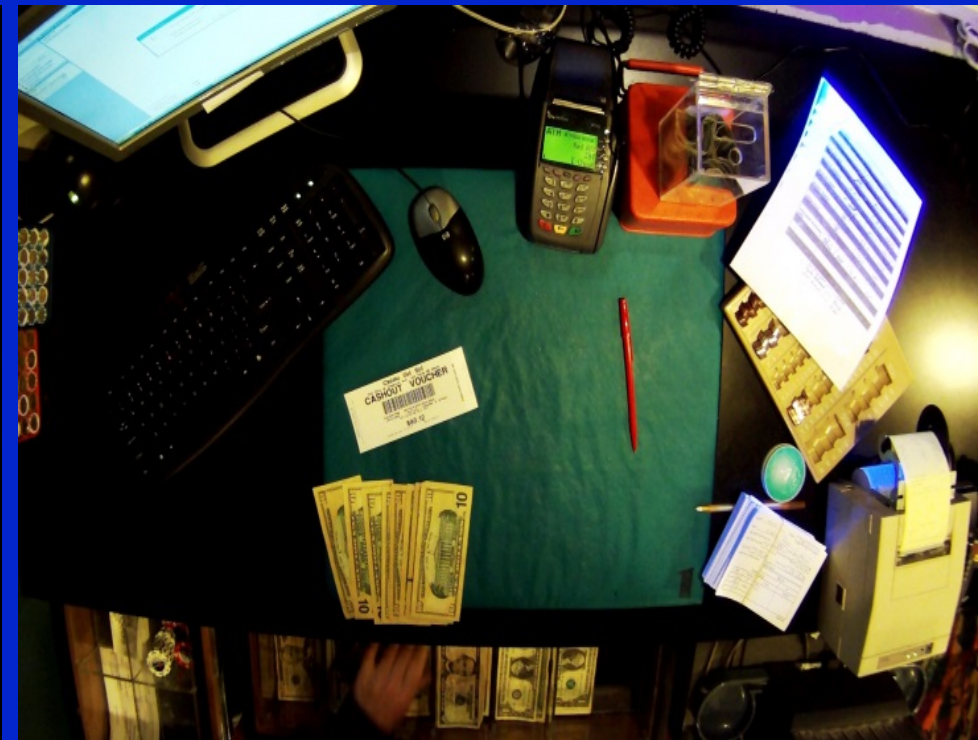
## HD



# Casino Cage Window

Analog

HD





# Casino Slot Floor / Machines

Analog

HD



# Casino Slot Floor / Machines

HD

HD

- Association of Player to Machine





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- Over 20 years in Casino Gaming Expertise: Surveillance, Security & Consultant
- 14 years of Retail Security & Loss Prevention Expertise.
- Designated a CPP in 1994 and an ASIS Int'l Member since 1983
- VP of Affiliate Members of the International Masters of Gaming Law 2007 - 2013
- Founded the ASIS Int'l Gaming & Wagering Protection Council 1996 - 2013
  - Council Chair 1996-98, 2013 - Council Secretary 2011 - Council VP 2012,
  - Council Program Chair of ASIS Gaming & Wagering 2001-02
  - ASIS Standing Committee (Council Chair) Chairman of the Year 1997
- DHS CFSCC Co-Chair Gaming Sector DHS managed Secret Clearance 2006-2013
- National Board Of Directors for the CMA 1998-2002
- SIA Judge for the NPS of the ISC East & West 1994-2005
- Media presence ~ 20/20 Downtown ~ Court TV, Game Show Network, CNBC and the Travel Channel. Also local news channels in Las Vegas, numerous presentations and published articles on Casino Surveillance, Corporate Security, Internal Investigations and Game Protection Expert.

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