

HACKING CCTV



By ZeroCool

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About Me

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Over View

▣ 라디오,아날로그

- 전송 모드
- 주파수
- 수신기
- 안테나
- 암호화

IP-카메라

Radio Cameras

- ▣ 아날로그
- ▣ 변조
- ▣ 암호화
- ▣ 빈번한 주파수대역
 - 1,2-1,3 Ghz(ATV)
 - 1,4 Ghz
 - 2,3 Ghz(ATV+LEA)
 - 2,4 Ghz(ISM+ATV)
 - 5,8 Ghz



ATV

ATV(Amateur TV)
: 비디오 카메라로 잡은
영상을 무전기를 이용해
송.수신하는것으로
1200Mhz이상에서만 사
용할수있다는 단점 이
있다.



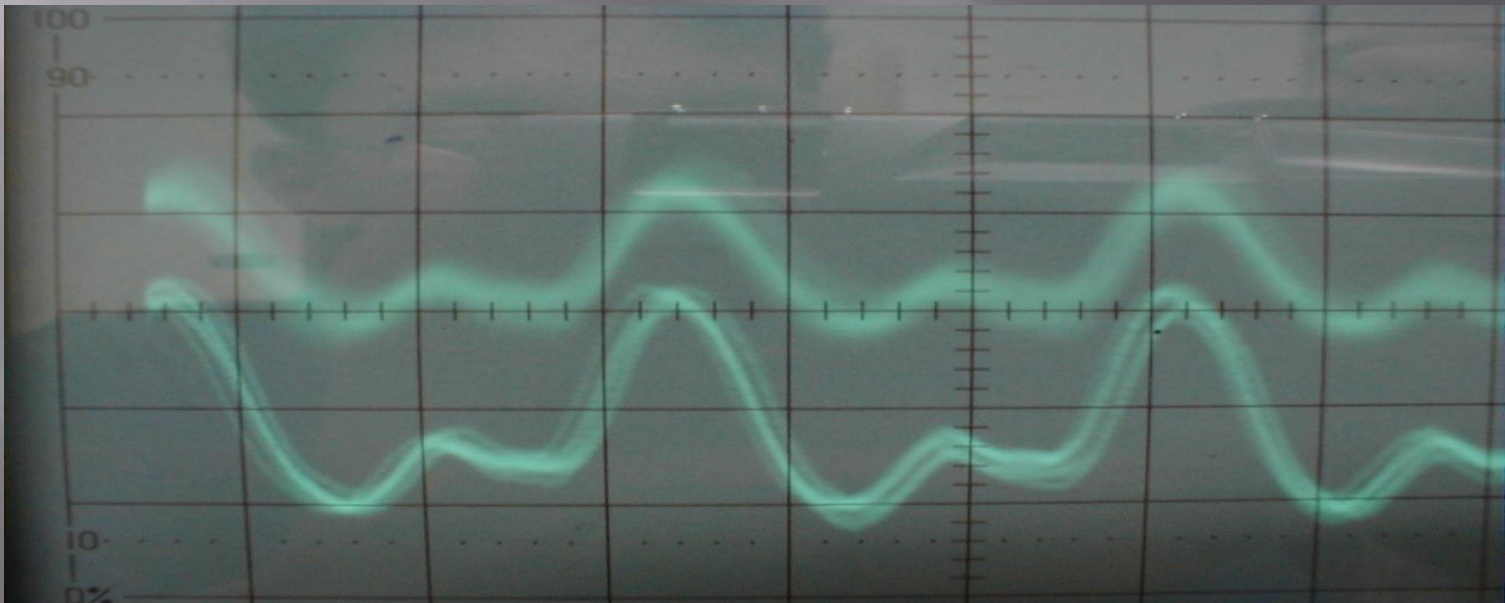
IMS

▣ ISM(Industrial Scientific Medical band)

: 산업, 과학, 의료용 기기에서 사용 가능한 주파수 대역. ITU-R에서는 ISM 대역으로 13.553 ~ 13.567MHz, 26.975~27.283MHz, 40.66~40.70MHz, 433.05~433.79MHz(1지역), 902~928MHz(2지역), 2.4~2.48GHz, 5.725~5.875GHz, 24~24.25GHz, 61~61.5GHz, 122~123GHz, 244~246GHz를 지정하고 있다.

변조 , 암호화

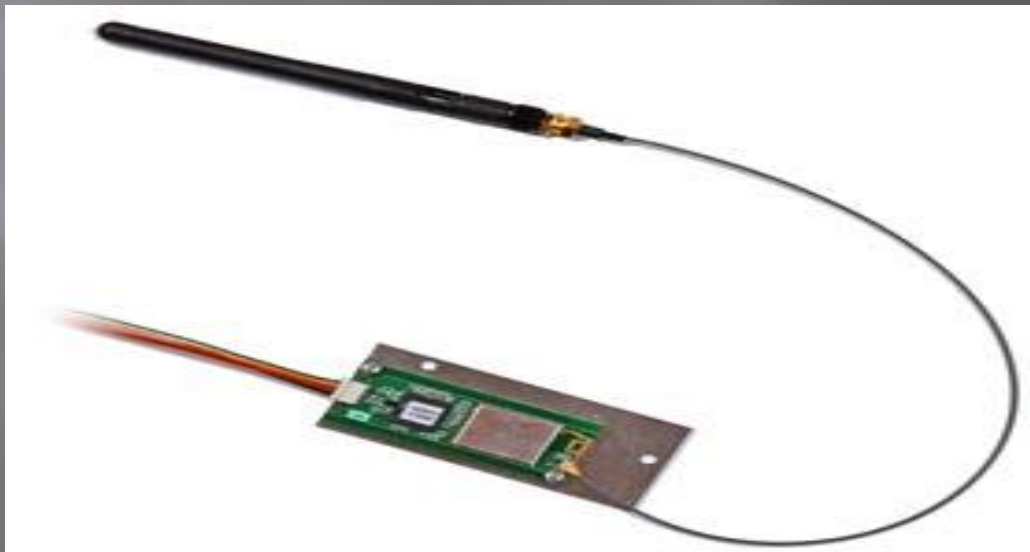
- ▣ AM-TV
- ▣ FM-TV
- ▣ Inverted Signal(역 신호)
- ▣ Modified H/V Sync



데이터 수신 방법

- ▣ Original Equipment
- ▣ Arabsat – LNC
- ▣ ATV(안테나) / 13cm / 23cm

[http://www.darc.de/distrikte/g/T_ATV/13cm.
htm](http://www.darc.de/distrikte/g/T_ATV/13cm.htm)



Video Scanner

- ▣ 예) Icom IC-R3
 - 0.5 to 2450 Mhz
 - 2" LCD



Antennas

- ▣ Microwave
 - ▣ WLAN
- (구입 또는 DIY제작)



IP Cameras

- ▣ HTTP JPEG-Push Streams 또는 MPEG형태
- ▣ 연결(connected) 형태
 - (공개)공유된 LAN(!!!)
 - Internet (!!!!!!!!!!!!!!!)



IP Cameras

- ▣ Arp & Mac spoofing 이용
- ▣ Ethercap plugin (패킷분석 플러그인)



IP Cameras @ internet

▣ 검색엔진 악용

Ex) Axis , Panasonic...

inurl:"ViewerFrame?Mode="

inurl:/view/index.shtml

inurl:"ViewerFrame?Mode="

inurl:netw_tcp.shtml

intitle:"supervisioncam protocol"

inurl:CgiStart?page=Single

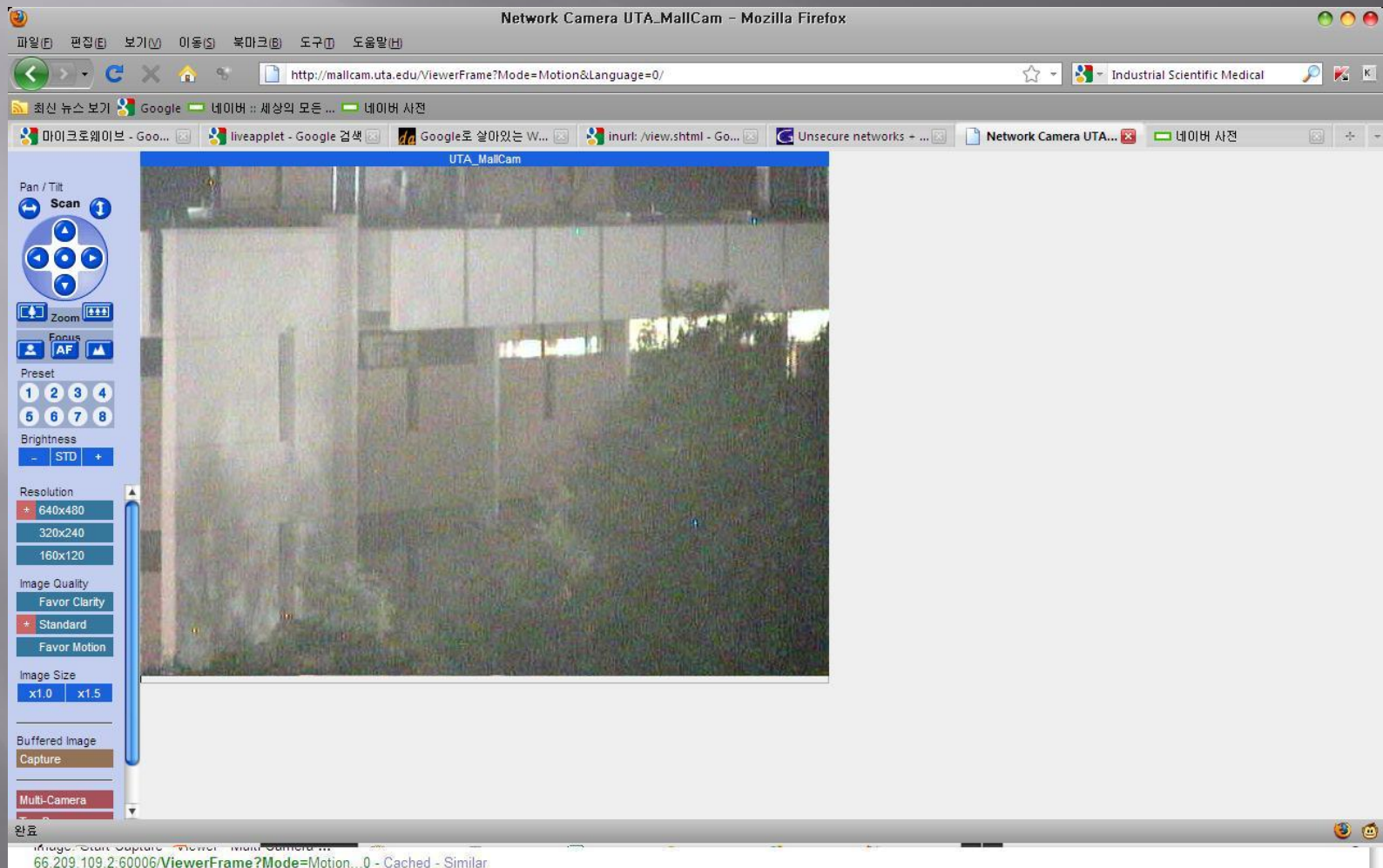
inurl:index Frame.shtml?newstyle=Quad

intitle:liveapplet inurl:LvAppl

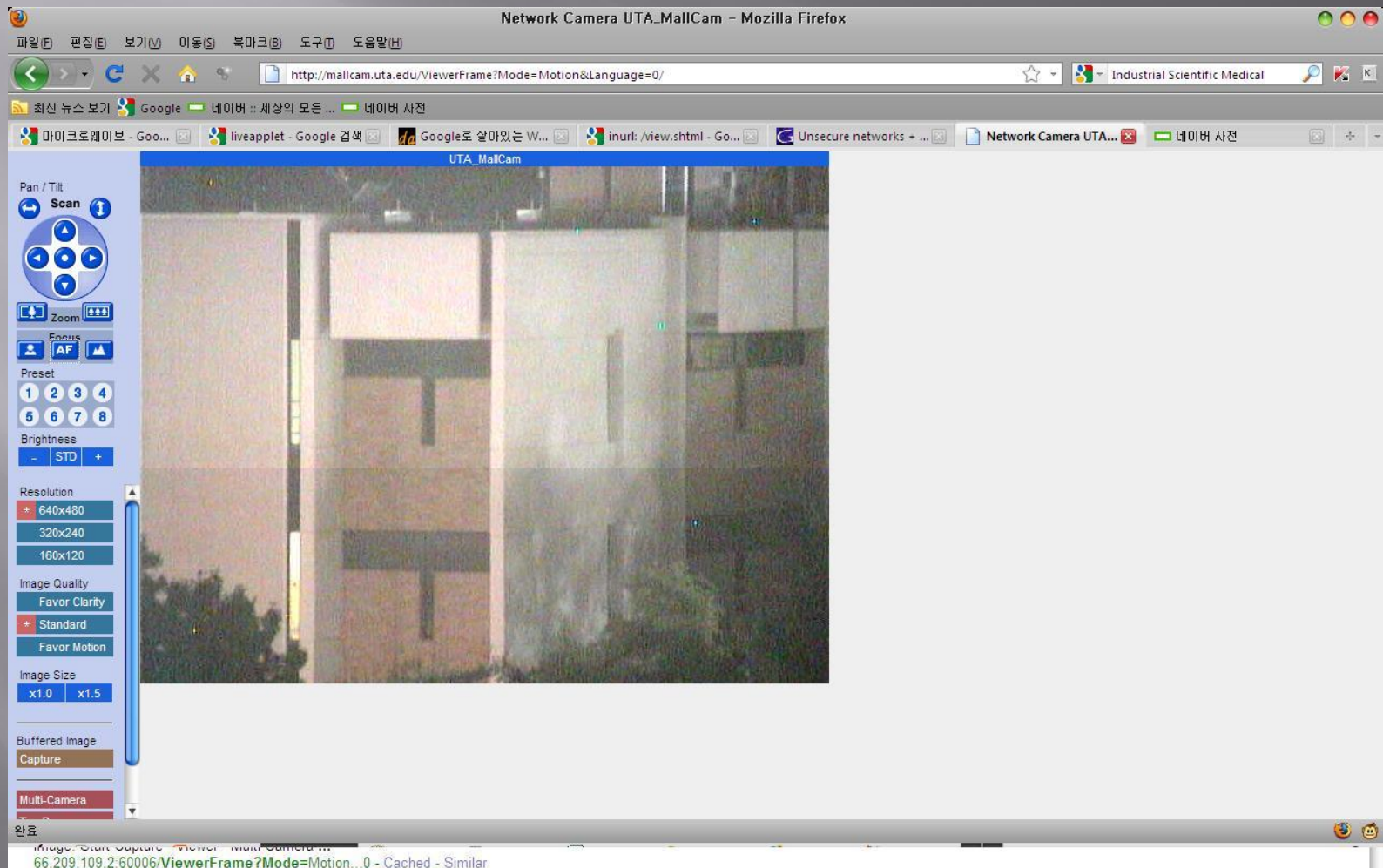
inurl:/showcam.php?camid

intext:"MOBOTIX M. 등등 ..

IP Cameras @ internet



IP Cameras @ internet



IP Cameras @ internet

The screenshot shows a Mozilla Firefox browser window with the title "inurl:ViewerFrame?Mode=" - Google Search - Mozilla Firefox. The address bar contains the URL "http://www.google.com/search?hl=en&q=inurl%3AViewerFrame%3FMode%3D%26btnG=Google+Search". The search bar contains the text "inurl:ViewerFrame?Mode=" and the search button is labeled "Search". The search results show "Results 1 - 10 of about 4,250 for inurl:ViewerFrame?Mode=" (0.18 seconds). The results include links to "Unsecurity cameras.inurl:ViewerFrame?Mode=", "NETWORK CAMERAS: Web Cams you can ZOOM and Control", "Single Camera - Network Camera UTA MallCam", and "inurl:ViewerFrame?Mode=".

inurl:ViewerFrame?Mode=" - Google Search - Mozilla Firefox

파일(F) 편집(E) 보기(V) 이동(S) 북마크(B) 도구(T) 도움말(H)

http://www.google.com/search?hl=en&q=inurl%3AViewerFrame%3FMode%3D%26btnG=Google+Search

Industrial Scientific Medical

최신 뉴스 보기 Google 네이버 :: 세상의 모든 ... 네이버 사전

inurl:ViewerFrame?Mode=" - Google Search - Mozilla Firefox

파일(F) 편집(E) 보기(V) 이동(S) 북마크(B) 도구(T) 도움말(H)

http://www.google.com/search?hl=en&q=inurl%3AViewerFrame%3FMode%3D%26btnG=Google+Search

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마이크로웨이브 - Goo... liveappt - Google 검색 Google로 알아있는 W... inurl: /view.shtml - Go... Unsecure networks - ... inurl:ViewerFrame?... 네이버 사전

Web Images Videos Maps News Shopping Gmail more yhj0228@gmail.com | Web History | Settings | Sign out

Google inurl:ViewerFrame?Mode=" Search Advanced Search

Web Show options... Results 1 - 10 of about 4,250 for inurl:ViewerFrame?Mode=" (0.18 seconds)

Unsecurity cameras.inurl:ViewerFrame?Mode=" ☆ - 1:19am
Bydgoszcz - Olimpo Gym - Hole 6 at Norwood Acres Golf Course - Lakewoods Resort -
Ostasen Ski tracks - Almadi Yacht Club ...
Hot Webcams5 - Motion Webcams - Unsecurity cameras.inurl - Spain
www.viewerframe-mode.com/ - Cached - Similar

NETWORK CAMERAS: Web Cams you can ZOOM and Control ☆
WATCH these LIVE WEBCAMS. ViewerFrame?Mode=Motion. Control many web cameras all
on one page.
birdflu.atspace.com/ViewerFrame-Mode.htm - Cached - Similar

Single Camera - Network Camera UTA MallCam ☆
Image Quality. Favor Clarity. *. Standard - Favor Motion. Image Size. x1.0 - x1.5. Buffered
Image. Capture - Multi-Camera - Top Page - Help. UTA_MallCam.
mallcam.uta.edu/ViewerFrame?Mode=Motion&Language... - Cached - Similar

inurl:ViewerFrame?Mode= ☆
inurl:ViewerFrame?Mode=,Find Live Webcams by using google with keywords of inurl
ViewerFrame?Mode=
livewebcams.viewerframe-mode.com/ - Cached - Similar

Network Camera NetworkCamera ☆
Image Quality. Favor Clarity. *. Standard - Favor Motion. Image Size. x1.0 - x1.5. Buffered
Image. Start Capture - Viewer - Multi-Camera ...
66.209.109.2.60006/ViewerFrame?Mode=Motion...0 - Cached - Similar

IP Cameras @ internet



inurl: /view.shtml

검색

고급검색

☒ 전체 웹문서 ☐ 한국어 웹

전체 웹 [+ 검색도구 열기...](#)

1-10결과 / **1,320,000개** / 0.30초

참고

- ▣ <http://kr.digitalalchemy.tv>
- ▣ <http://hamshop.net/ICR3.htm>

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