


# Wireless-Detective Standard Specification

Wireless-Detective	
<b>Wireless-Detective Standard System Photo - Diagram (for illustration only)</b>	
Common Features - Functions	
<b>WLAN Standards Supported - Scan and Capture</b>	IEEE 802.11a/b/g - 2.4 GHz and 5 GHz freq. 802.11n will be supported in coming version.
<b>WLAN Interception and Coverage Range</b>	Indoors: up to 20-30 meters, Updoors with Line of Sight: up to 40-50 meters, Enhanced version allows usage of high gain antenna to extend coverage range
<b>Capture Targets</b>	Single WLAN Channel, Single WLAN AP, Single WLAN STA
<b>Hardware</b>	Based on Lenovo X61, X200, size of a 12.1' screen laptop.
<b>Mobility and Portability</b>	Yes, easy to carry to any location without being noticed
<b>Passive - Activate Interception Mode of Implementation</b>	Passive Mode. Active Mode (can be activated for quicken the process of WEP key cracking)
<b>System Storage - Disk Size</b>	Laptop Default 160 GB - up to Max Laptop Hard disk capacity.
<b>Decrypt WEP Key</b>	Yes (Auto or Manual)
<b>Decrypt WPA-PSK Key*</b>	Yes with External Server with GPU Acceleration Technology (Using Brute Force-Dictionary Smart Password List Attack)
Internet Content Monitoring & Reconstruction	
<b>Email</b>	POP3, SMTP, IMAP
<b>Webmail</b>	Yahoo Mail, Gmail, Windows Live Hotmail, Hinet, Hotmail Standard, PCHome, URL, Giga, Yam, Sina, Seednet, mail.tom.com, mail.163.com, Sohu.com, Gawab

<b>Instant Messaging (IM or Chat)</b>	Yahoo Messenger, Windows Live Messenger (MSN), IRC, ICQ, UT Chat Room, Gtalk, Yahoo Web Chat, MSN Web Chat, Skype Voice Call Duration Log
<b>HTTP</b>	Link, Content, Reconstruct, Upload and Download, Video Streaming (Youtube, Metacafe, Google Video etc.)
<b>File Transfer</b>	FTP Upload/Download, P2P File Sharing (BitTorrent, eMule/eDonkey, FastTrack, Gnutella)
<b>VoIP</b>	Yahoo Messenger and Gtalk Voice Call (reconstruct back to GIPS format - Codecs required to play back the file)
<b>Webcam</b>	Yahoo Messenger and Windows Live Messenger Webcam session
<b>Telnet</b>	Support with Play Back
<b>Online Games</b>	Various Online Games like Ragnarok Online, Mapple Story, War of World Craft, ZT, FairyLand, Kin of king, Katrider, BnB, Mabinogi, Hotdance, Gatamped, Pangya, Heatproject, DTG, Superrich, O2jam, Seal, COCOCAN, Nage, Gersang, Laghaim, Hot, 3P, SF, Noritel, Elysium, Stoneage, A3, HE, ZU, Cabala, JY1, JY2, Wonderland, SAN, TS, LoveBox, SANGO, Dekaron, Cabal, Rohan, GVO, CG, DOMO, BO, SWDOL, DOMOFREE, RICHOL, RO, Mir3, JX, JX2, TTH, RF Online, SOL, Nobol, FDO, GHOSTSOUL, AL, CPW, 1003b, 9D, EverQuestII, Silkroad2, Metin, MS, SUN, Hero, HB, WE5, FongShen, FongShen2, Q3baby, SHE and Megaten.
<b>HTTPS*</b>	Not Available
<b>Other Reconstruction Features*</b>	VoIP (SIP, H.323 that with G.711, G.723, G.726, G.729 and iLBC Codecs) can be customized and included. Other content reconstruction features can also be customized according to requirements. Additional project customization fee is chargeable.
<b>Management - Administrative Functions</b>	
<b>Export and Backup</b>	Raw Data (in PCAP format) and Reconstructed Data (ISO format). Exported Raw Data Files can be read and analysed by Network Packet Analyser Tools such as Wireshark.

<b>Import of Raw Data (PCAP) for Reconstruction</b>	Yes, WLAN Raw Data (in PCAP format) can be imported for cracking the WLAN WEP key and reconstruction.
<b>GPS Orientation</b>	Available (USB GPS Receiver is required)
<b>Wireless Equipment Locator (Location Estimation)</b>	Available (1 Master System + min. 3 Slave Systems required)
<b>Wireless Forbidding/Jamming Function</b>	Available (Forbid/Jam a AP or STA)
<b>System Access-Management</b>	Local Machine GUI access.
<b>Access Browser</b>	Designed for IE Browser
<b>Unique Capabilities and Features</b>	Capable to setup Multiple or Distributed System Capturing. Accept customization requirements on project basis.
<b>Others</b>	
<b>Target Market</b>	Government Department and Agencies, Police Intelligence, Military Intelligence, Cyber Security, National Security Agencies, Criminal Investigation Agencies, Counter Terrorism Agencies, National High Tech Disaster Defence Agencies etc.

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