


# VoIP-Detective Standard Specification

VOIP-DETECTIVE	
Sample Hardware-Server Photo (for Illustration Only)	
General Features and Functions	
<b>Appliance Based</b>	Yes (However, user has the option to purchase just software and install the software on their own dedicated server).
<b>Hardware - Server Type (1U, 2U etc.)</b>	Scalable and Flexible, Standard Hardware includes HP ProLiant 100 series, 300 series, Dell PowerEdge 200, 300, 1950 and 2950 series etc.
<b>Level and Size of Implementation</b>	Scalable - Small Networks up to ISP Telco Size Deployment.
<b>Raw Data Reconstruction</b>	Real-time VOIP voice call sessions reconstruction
<b>Mode of Operation</b>	Bridge Mode, Mirror Mode Implementation
<b>Network Interface - Management and Capture</b>	Ethernet 10/100/1000Mbps
<b>Raw Data Parsing Throughput</b>	Up to Max 500 Mbps
<b>Access GUI</b>	Web Access GUI - IE
<b>Storage Size</b>	Scalable
VOIP – SIP & H.323 RTP Protocols Supported - Decode and Reconstruction	
<b>Voice over Internet Protocol (VoIP)</b>	<b>SIP and H.323 RTP</b> Voice Call Sessions (Supported CODECS includes <b>G.711a-law, G.711u-law, G.723, G.726, G.729</b> and <b>iLBG</b> ) with playback.
Analysis, Forensics, Administrative, Management Functions	
<b>Online Raw Data (PCAP) Reserving Function</b>	Yes, available.
<b>Search Function</b>	Yes (free text search, conditional search)
<b>Alert and Notification</b>	Yes.
<b>Data Export and Backup – Auto and Manual Backup Capability</b>	Yes.
<b>Authority Assignment</b>	Yes.
<b>Detail Information of Targeted User/PC</b>	Account (AD, Username etc.), IP Address, MAC Address, PC Name

<b>Reporting</b>	Total Statistical Throughput Reports, Online IP List etc.
<b>Other Features, Functions and Capabilities</b>	
<b>Target Market</b>	Small and Home Office (SOHO), Educational Institution, Enterprise, Corporate, Government Agencies, Lawful Enforcement Agencies (Military, Police, Intelligence, National Security, CID etc.), Telco and ISP

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**Screenshot of VoIP-Detective:**

**Date/Time, Account, Caller No, Called No, Mode, Type, CODEC, File Name and Time/Duration**

The screenshot displays the VoIP-Detective software interface. At the top, there is a toolbar with various icons and a search bar. Below the toolbar is a table with the following columns: NO., Date-Time, Account, Caller, Callee, Mode, Type, Codec, File Name, and Time. The table contains five rows of call records. A red box highlights the header row of the table. A red arrow points from the highlighted header row to a yellow text box above it. Another red arrow points from the 'File Name' column of the second row to a playback window that is open over the table. The playback window shows a large blue musical note icon on a light blue background. At the bottom of the screenshot, the text 'Play back of reconstructed VOIP file' is written in blue.

NO.	Date-Time	Account	Caller	Callee	Mode	Type	Codec	File Name	Time
1.	2009-03-25 16:39:53	192.168.6.8	8610044407	8610000104	peer to peer	SIP	G723	VOIP_VXdHcR.wav	10 Sec
2.	2009-04-28 11:21:57	192.168.1.132	8610044420	8610044421	peer to peer	SIP	iLBC	VOIP_i9d6zK.wav	58 Sec
3.	2009-04-28 11:12:44	192.168.1.132	8610044420	8610044421	peer to peer	SIP	G729	VOIP_HKr7PR.wav	50 Sec
4.	2009-04-28 11:07:32	192.168.1.132	8610044420	8610044421	peer to peer	SIP	G729	VOIP_DN1QFr.wav	1 Min 3 Sec
5.	2009-04-28 11:04:19	192.168.1.132	8610044420	8610044421	peer to peer	SIP	G729	VOIP_JKofpk.wav	1 Min 2 Sec

Play back of reconstructed VOIP file