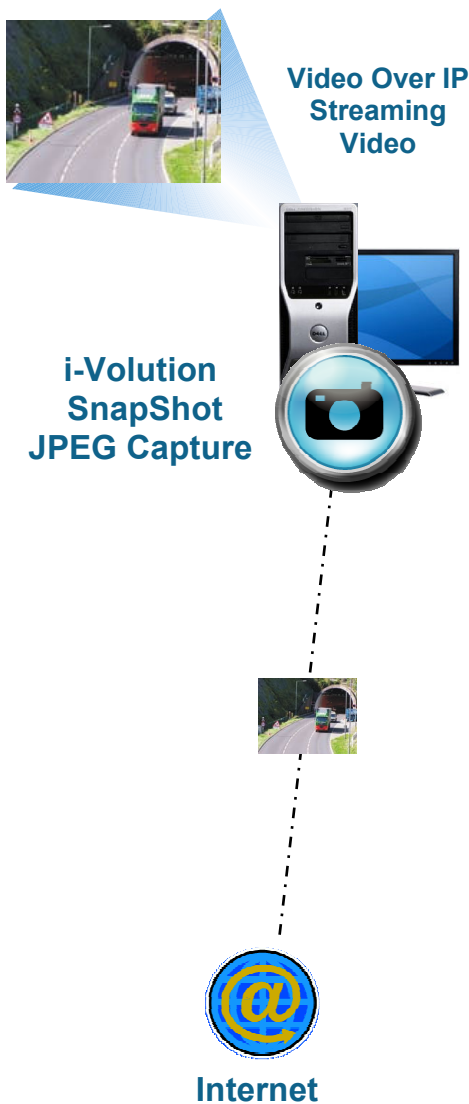


the i-Volution SnapShot JPEG Image Capture

The i-Volution SnapShot is a Windows based application that captures a live video stream image from MPEG encoders deployed in an IP network. The captured JPEG image is forwarded to a central server where the image is saved for distribution to the World Wide Web. This versatile application is available in a Client/Server mode of operation and is scalable to adapt to any size video network offering flexibility from a centralized application



Features

- Multicast stream capture
- Client/Server architecture
- Customizable capture parameters
- Contact Sense / Contact Closure

Enhanced IP Multicast Capability

The strength of the SnapShot application comes from its ability to capture images from live multicast video streams present on the network. Its unique ability to join and leave individual multicast groups eliminates the need for converting digital streams to analog as offered by most conventional image capture applications. From a single Ethernet connection to the digital video network, the SnapShot server has access to all the video streams in your network. Its simplicity eliminates hardware and analog cables that are normally essential.

Scalability

The SnapShot application is scalable to meet any network size. A single SnapShot server is capable of capturing hundreds of images per minutes from your digital network. Its multi SnapShot client interface is suitable to manage one or multiple distributed SnapShot server at any given time providing a highly flexible solution to fit in any network size.

For larger networks, the SnapShot server supports API interface that works directly with the customer WEB site server to provide "on-demand" capture capability. This unique feature only captures and store images that are needed by your audience saving valuable server cycle and network bandwidth. This on-demand capability provides a cost effective solution for large scale networks.

Standards Compliant

Using an industry standard decoding engine, the SnapShot application can decode H.264, MPEG-1 and MPEG-2 Elementary and Transport Streams from either an Impath encoder and/or other encoder that conform to these standards.

Network Manageability

The SnapShot user friendly interface, provides the ability to customize the video camera list to individually control:

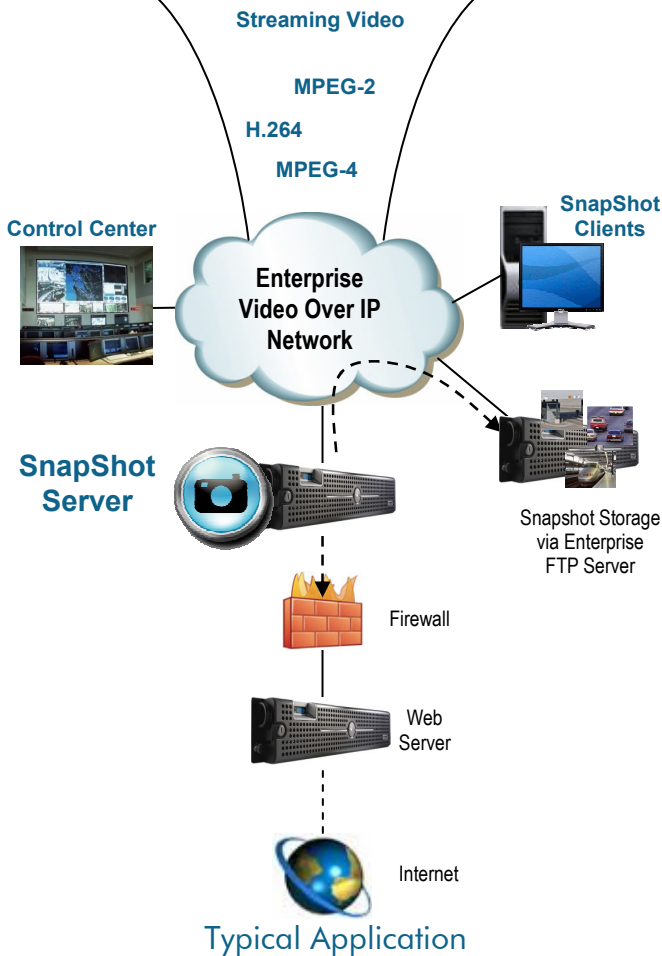
- the refresh rate
- the customized text insertion
- the time stamp
- the image quality
- and the LOGO insertion.

i-Volution SnapShot JPEG Image Capture

Video Collection



Video Collection via Impath
MPEG-2, MPEG-4, H.264 and
Multi-Protocol series



Typical Application

Video Stream

Analog Video input Via Encoder
 Digital Video Input IP Ethernet using Multicast (UDP)
 Digital Decoding MPEG-2 (ISO/IEC 13818-1, -2) Elementary Stream
 MP@ML and Transport Stream
 H.264
 350 kbps to 6 Mbps

Data Rate

Image Capture

File Format JPEG
 Quality Control Low to high (high is equivalent to the quality of the steaming video)
 Resolution

	NTSC	PAL
Full	720 x 480	720 x 576
HHR	352 x 480	352 x 576
SIF	352 x 240	352 x 288
QSIF	192 x 128	160 x 128

 Resolution dependants on the encoder resolution settings
 Refresh Rate 2 seconds to 99 seconds
 File Size 9K to 220K dependant on image quality setting
 Number of Video Streams The number of streams is dependant on CPU speed and memory. Typically, a dual Core PC with 2 GB of RAM (1.86GHz) is capable of capturing 40 images from 40 different streams at every 20 seconds intervals.
 Capture on Demand API interface using C and/or C++

Database Compatibility LAN

Impath ClientVue 2
 IEEE 802.3 Ethernet
 Recommended:
 Server 2 x 100/1000 Base-T, Full Duplex
 Client(s) 1x100/1000 Base-T, Full Duplex
 Protocol TCP, UDP, IPv4, IGMPv2,
 Data transfer FTP, SMB, CIFS
 Protocol

Overlay Display

Text
 Generated by Impath i-Volution Encoder
 4 lines of text
 Time Stamp
 Generated by SnapShot
 4 lines of text with 56 characters per
 Font and size control
 Generated by SnapShot
 1 LOGO (JPG or BMP)
 Logo Generated by SnapShot, 1 Logo (JPEG or BMP)
 Positioning User selectable via screen pixel coordinates
 Operating System Windows XP Professional SP-2
 Windows Server 2003

Part No	Features
XXXXX	i-Volution SnapShot MPEG-2
XXXXX	i-Volution SnapShot MPEG-2, MPEG-4, H.264

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