

*Handle Early Offer and
Delayed Offer*

*Up to 60 simultaneous calls with
media streaming per Test Agent*

Register to System Under Test

Send REGISTER at the beginning

Maintains the registration state

Send UNREGISTER at the end of the execution

Originate Calls

Place Call to a destination

Start Path Confirmation with RFC 2833 tones

Start Voice Play

Record Voice Play

Send Video

Receive Video

Drop Call

Terminate Calls

Wait for a Call

Answer Call

Start Path Confirmation with RFC 2833 tones

Start Voice Play

Receive Video

Send Video

Drop Call



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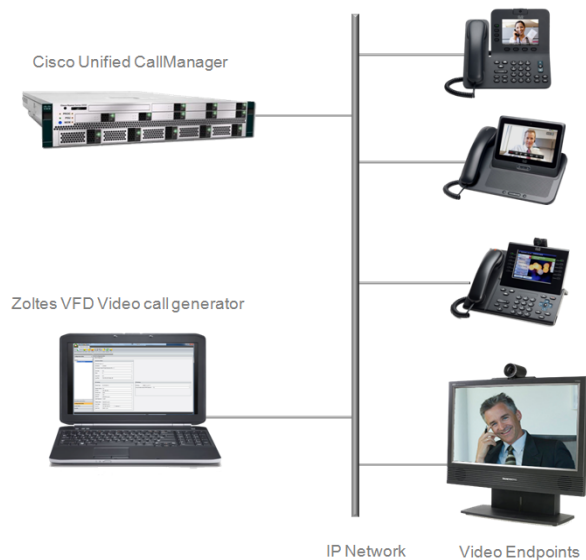
SIP Video Call Generator

GENERATE SIP AND MEDIA TRAFFIC

Zoltes VFD Video plug-in is a call generator with voice and video for IP enabled devices using generic SIP call flows and media streaming features across the IP telephony interfaces.

KEY FEATURES

- > SIP Call Generator
- > Combine originating and terminating call flows
- > Handle Early Offer and Delayed Offer
- > Test Commands
 - > Originate Call
 - > Answer Call
 - > End Call
 - > Play Media
 - > Audio
 - > Video
 - > Send DTMF
 - > Receive DTMF
- > Up to 60 simultaneous calls with media streaming per Test Agent
- > Integrates with Zoltes Media Analyzer



BENEFITS

- > Cost effective solution
- > All-in-one call control and audio/ video media generation
- > Flawless integration with Zoltes Media Analyzer

SPECIFICATIONS

Protocols Support

- > IETF SIP RFC 3261
- > IETF SIP RFC 3262
- > IETF SDP RFC 2327
- > IETF RTP/ RTCP RFC 1889
- > IETF RTP/ RTCP RFC 2833
- > ITU-T G.711 mu-law/ a-law
- > ITU-T H.264
- > IETF RFC 3984,6184

SIP Protocol Parameters

- > UDP/ TCP transport support
- > REGISTER support (endpoint)
- > RE-INVITE support
- > Automatic Response to INFO, OPTIONS, and retransmissions

Media Parameters (optional)

- > G.711 alaw, G.711 ulaw codec support
- > H.264 codec support RFC 3984 packetization-mode=1
- > Other audio/video codecs available on demand

Call Generation Parameters

- > Destination phone
- > Originator phone
- > Calls per second (0.01 – 10 CPS)

Video Generation Parameters

- > Input source video (AVI Encapsulation with H264 codec)
- > Media resolution picked up from the input source video
- > Length

Video Generation Parameters

- > MDI=DF:MLR (min, max, average)
- > Jitter (min, max, average)
- > Packets number
- > Missing packets number