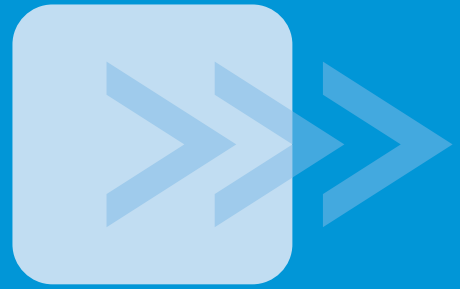


The Complete PC solution for secure H.320 videoconferencing



**KLAS**



**VIDEO**



The Connectivity People



# The Connectivity People

## What is KlasVideo?

KlasVideo is a H.320 videoconferencing solution that installs on a laptop (please see PC requirements on back page) for use with the STE and KIV-7. This PC solution can dial any other H.320 videoconferencing system. It will connect a PC to a STE or KIV-7 for encrypted videoconferencing sessions and has been extensively tested over the Inmarsat satellite network. This means that a standard laptop can now be used for H.320 video over encrypted satellite links. So whether you wish to dial back to (in-the-clear) ISDN or satellite link or establish a secure call over a VTC over a satellite link or establish a secure call over a KIV-7 or STE network between two PC's, KlasVideo is the solution for you.

### Connects to all popular H.320 systems

KlasVideo can dial into any H.320 system including Tandberg, Scotty, Polycom ViewStation, Polycom iPower (Picturetel) and Leadtek MetaEye IVP 256. Alternatively KlasVideo will also accept incoming calls from these systems. This compatibility gives the end user a greater flexibility and economy when upgrading their existing videoconferencing networks.

### A cost efficient H.320 videoconferencing solution

KlasVideo utilizes popular technologies to deliver a cost efficient H.320 videoconferencing system. Our development has focused on optimizing and modifying these popular technologies rather than creating proprietary solutions. End users will appreciate not just the cost benefit of this approach but also the familiarity of working on a standard laptop.

### Picture and Audio Quality

KlasVideo supports all the standard H.320 video codecs (H.261, H.262 and H.263) and video formats (4CIF, CIF, QCIF and SQCIF). This extensive support allows KlasVideo connect to any H.320 VTC and ensures the connection will use the highest quality video available. KlasVideo defaults to use the H.263 video codec and the CIF video format. CIF has become a standard within the H.320 video market and affords the user high quality picture coupled with smooth reliable motion. Both G.711 and G.728 guarantee the clarity and crispness of telephone-quality audioconferencing.

### Works with the STE and KIV-7

KlasVideo has been extensively tested with both the KIV-7 and STE. It is compatible with the KlasHopper PC card which installs easily on any Windows laptop PC. Klas can supply STE and KIV-7 cables. The KlasHopper cables are integrated and connect directly from the laptop PC to the STE or KIV-7. Cables to connect the KIV-7 to the ISDN Terminal Adapter are also available.

### Tested over Inmarsat

KlasVideo has been specifically designed to work well over the Inmarsat satellite network. An 'always synchronizing' function ensures that picture frames retain their running sequence and quality. It has undergone extensive testing with all leading Inmarsat M4 terminals. The result is a H.320 solution that does not lose performance or reliability over satellite communication links.

### Runs on a laptop

KlasVideo will install onto any standard Windows 2000 laptop PC. This installation is simple and takes only a few minutes to complete. KlasVideo does not change the basic operation of a PC in any way and will look and feel like any other standard software installation.

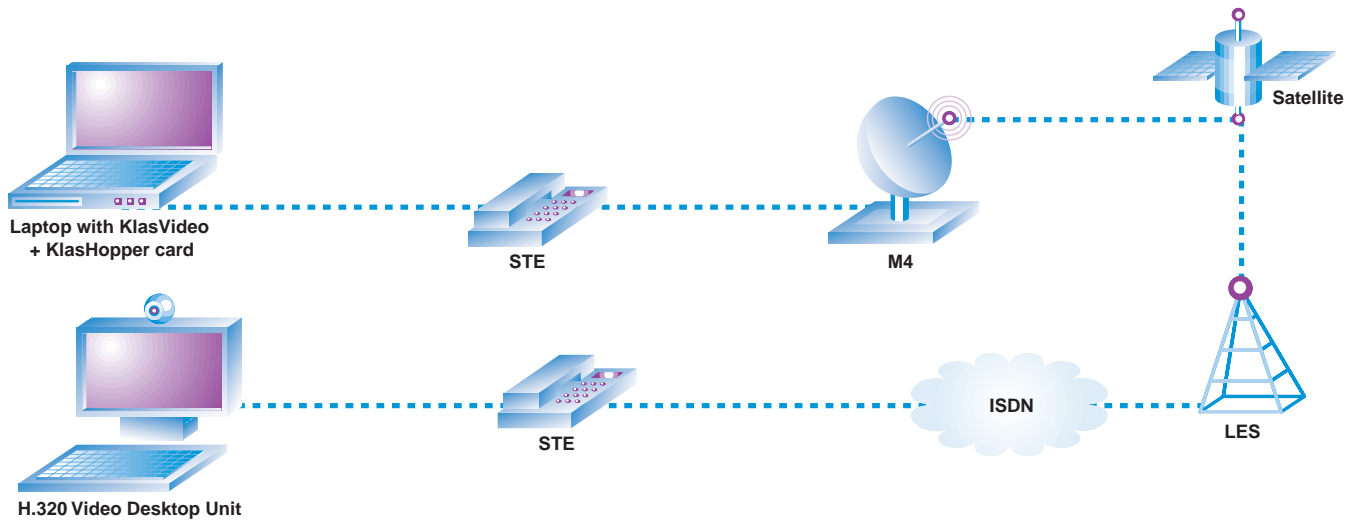
### Easy to use

KlasVideo has been designed with ease of use in mind. Basic videoconferencing sessions can be created with a single button operation. This means that end users do not require extensive PC knowledge to use this solution.

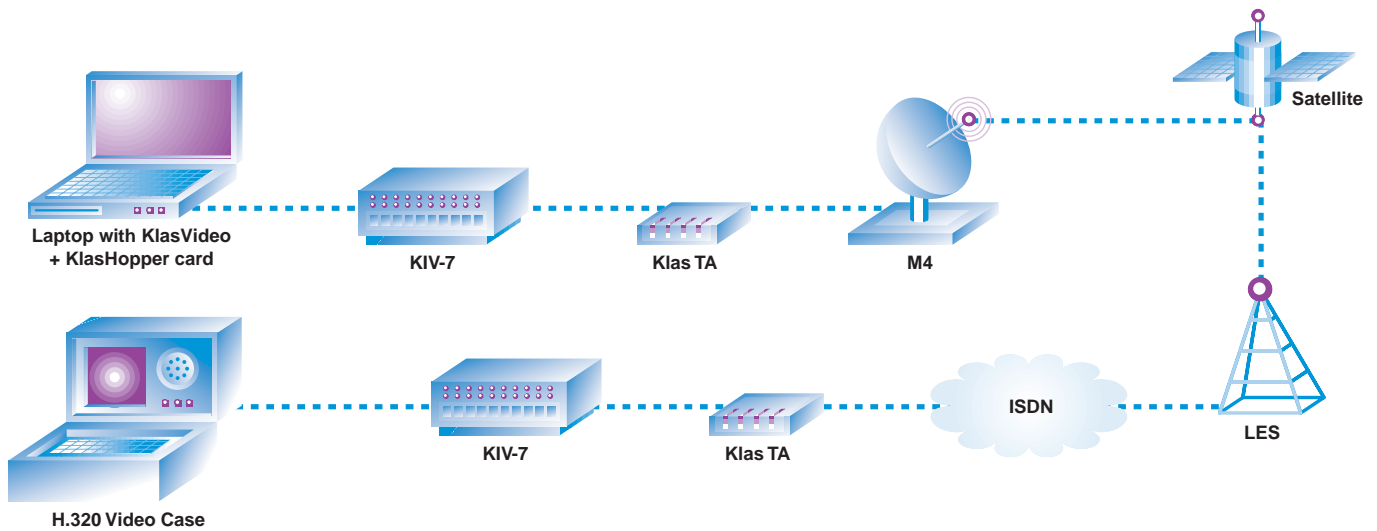


## Schematics

➔ Making a KlasVideo to KlasVideo H.320 call over an encrypted satellite link at 64K



➔ Making a KlasVideo to popular H.320 box call over an encrypted satellite link at 64K



## Klas Application Software

KlasVideo is the perfect companion for Klas' networking and file transfer products. KlasPeer2Peer makes it easy to dial and answer a call with a STE or KIV-7 for PC to PC based file transfer. KlasPeer2Peer is designed specifically for Inmarsat communications at 64K & 128K. Please contact Klas for more details on this products.

→ **UK**  
TOLL FREE PHONE: 0800-056-4250  
TOLL FREE FAX: 0800-056-4366

→ **USA**  
TOLL FREE PHONE: 1-866-263-5467  
TOLL FREE FAX: 1-866-532-3091

→ **CANADA**  
TOLL FREE PHONE: 1-866-296-5199  
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PHONE: +353-1-662-4270  
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KlasVideo Screenshot



#### PC Requirements

1GHz P III (minimum)  
1.7GHz P IV (recommended)  
256MB RAM  
30MB HD  
Full-duplex sound card  
1 free USB Port

#### OS Support

Windows 2000

#### GAN terminals

Nera WorldCommunicator  
Thrane&Thrane  
Capsat Messenger  
MTI-M4-128  
e-Lite Inmarsat M4 terminal

#### Encryption Devices

KIV-7  
STE

#### Interfaces

Synchronous RS-232  
Synchronous RS-530 (RS-422)  
Synchronous RS-449 (RS-422)  
Synchronous X.21  
ISDN S-bus

#### Remote Device Support

H.320 compatible systems including:  
Tandberg, Scotty, Polycom ViewStation,  
Polycom iPower (Picturetel)  
and Leadtek MetaEye IVP 256.

#### Telecommunications Networks

ISDN  
Satellite

#### Protocols

Video: H.261, H.263 and H.263  
Audio: G.711 and G.728  
Resolution: 4CIF, CIF, QCIF, SQCIF  
resolution of up to 39fps

#### Standards

CE Mark  
FCC Approved  
Fully tested for Y2K compliance

#### Supplied Camera and Headset

Creative WebCam Pro eX  
Andrea ANC 750 STEREO



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