

- Improved Video Quality
- Best-in-Class Audio
- Display Features
- Expanded MultiSite
- Security
- Other Features

Extensive H.264 Support

High quality video on low bandwidth calls is a requirement for increasing satisfaction with video deployment

H.264 with:

- MultiSite
- DuoVideo/H.239
- Encryption

And no loss of functionality



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Natural Video and Native Resolutions

- Broadcast TV mode video quality
- 60 fields per second true interlaced picture (iCIF)
- From 384 kbps
- Native resolutions
 - 4CIF
 - iCIF
 - XGA
- High Definition (HD) Support on all TANDBERG MXP systems
- NEW High quality video and native 16:9 formats



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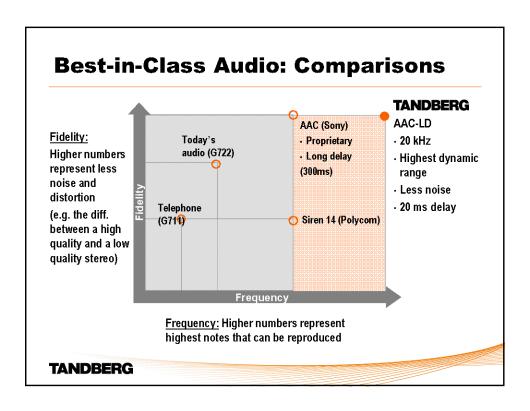
The Best Audio in the Industry

High-performance audio provides a richer, more complete visual communication experience

Introducing MXP audio:

- True CD-quality
 - MPEG4 AAC-LD standard
- Stereo
- Digital output
- Digital NAM
- High-end Satellite Speaker Upgrade Package
- Set Top Stereo Package





Audio Technology

Standard	Bandwidth	Bit Rate	Quality	Speech	Music
G.711	Narrowband (3.4 kHz)	48-64kbps	Telephony		
G.728	Narrowband (3.4 kHz)	16kbps	Telephony	4	4
G.722	Wideband (7kHz)	48-64kbps	AM radio	4	4
G.722.1	Wideband (7kHz)	24/32kbps	AM radio		
Siren-14*	Extended wideband (14kHz)	24-48kbps	FM radio	4	4
AAC**	Extended wideband (14kHz)	From 48kbps	FM radio		
AAC-LD	Full HiFi bandwidth (20Khz)	From 64kbps	True CD	4	4

- New applications require enhanced audio experience including voice, multimedia presentations, movies, music, etc
- No other manufacturer can offer True CD-Quality audio TANDBERG First

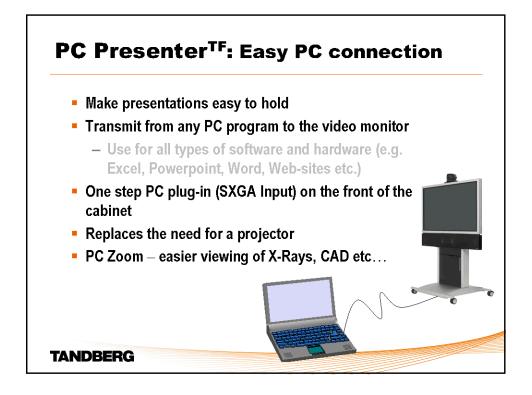
*Proprietary Polycom only, **Proprietary Sony only



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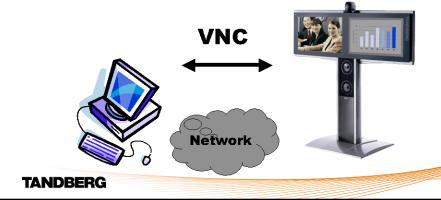
Transmit and display two live incoming pictures E.g. PC presentation and presenter Creates a natural meeting environment H.239 is the new ITU standard for Dual Images Creates interoperability between all vendors We will continue to have support for our Duo Video Easily activate with remote control Press blue presentation key on the remote. Press once more to close Duo Video/H.239 Duo Video/H.239 can easily be used

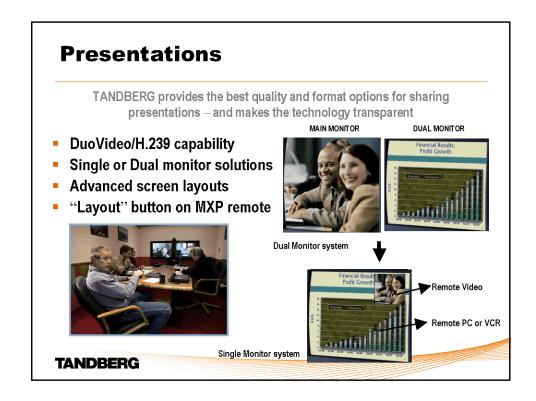
for the these devices

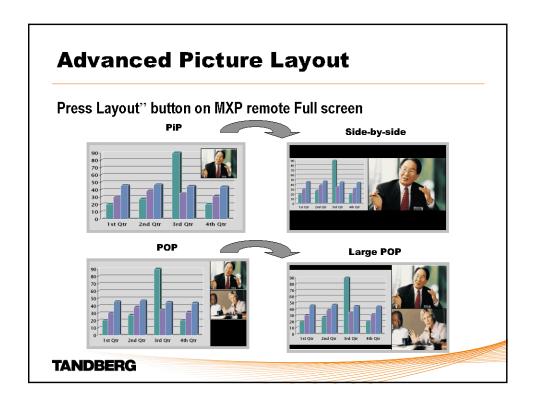




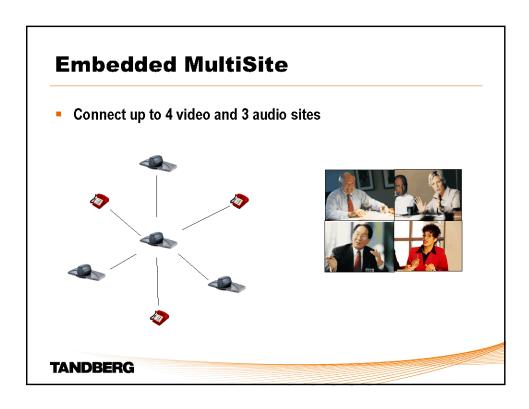
- Show live PC presentations (XGA resolution)
- Connect any PCs in the network to video system using Virtual Computing Technology (VNC)

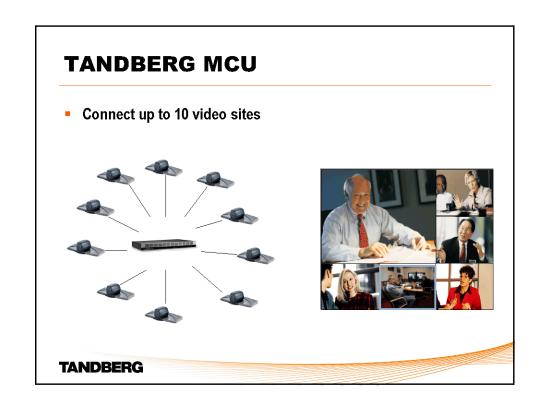






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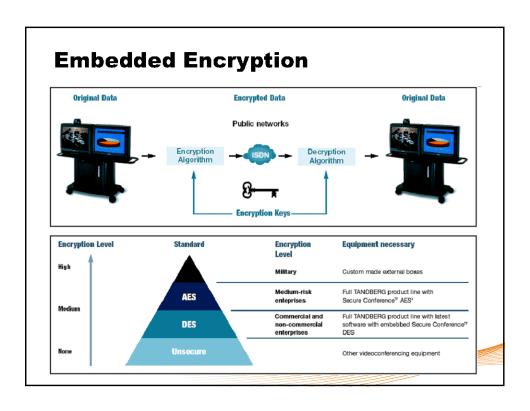


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Embedded Security

- Standardization of encryption in ITU supports the latest version of encryption over IP and ISDN
 - AES and DES
 - Point-to-point and MultiSite
 - On any bandwidth!
- End-to-end H.235 authentication
 - Control and authenticate Endpoints on your network to prevent misuse
 - ITU standard H.235 Authentication
 - Supported by TANDBERG Endpoints, Gatekeeper and Border Controller
- High security network authentication (802.1x)
 - Authenticate all corporate devices to the network
 - TANDBERG endpoints now meet this security standard
 - The LAN network security standards already understood by IT departments





- IPv6 Support
- P_{V6}
- More addresses available
- <u>Benefit</u>: TANDBERG is providing solutions TODAY that are enabled for the future.
- Expressway™ firewall traversal technology for end-to-end IP (□)
 - Standard-based Expressway Implementation, H460.18 and H460.19



- SIP Support
 - Microsoft & Nortel SIP support

Downspeeding

- Connection maintained if network is interrupted during a call
 - Gives very reliable meetings
- Call maintained with just one channel
 - Up to 29 of 30 channels can drop
- Videoconference is not interrupted
 - No wasted time on rebooting and redialling

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Quality of Service

- Quality of service
 - Provides consistent performance on the (IP) network
- Many methods to implement QoS
 - RSVP Resource Reservation Protocol
 - · Single path through network
 - IP Precedence
 - · Marks some traffic as more important than the rest
 - ToS
 - Set to minimum delay, maximum throughput, maximum reliability, minimum cost...

IPLR

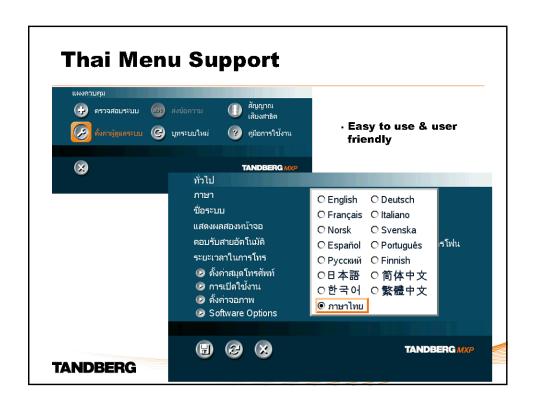
Intelligent Packet Loss Recovery

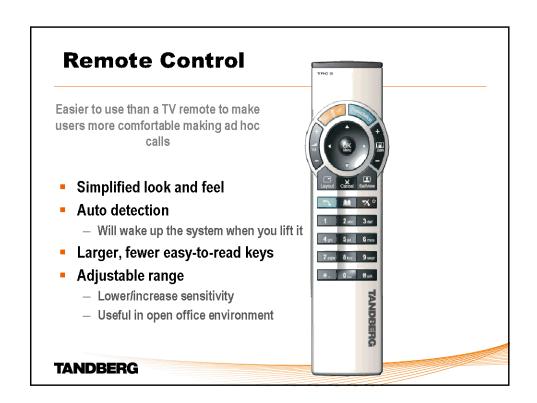
- Ability to recover from major packet loss on IP networks
- Improves both received AND transmitted video
- Standards-based implementation
- Compatible with all H.323 endpoints, terminals, gateways, MCU's...

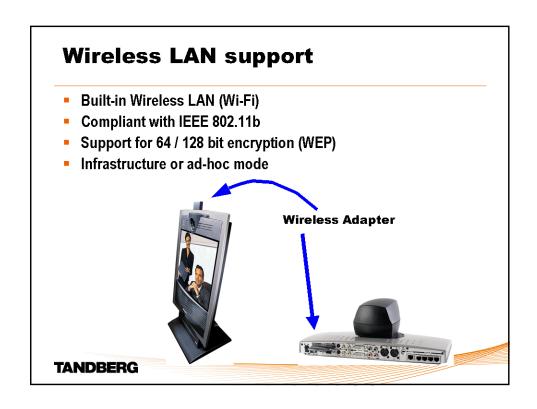
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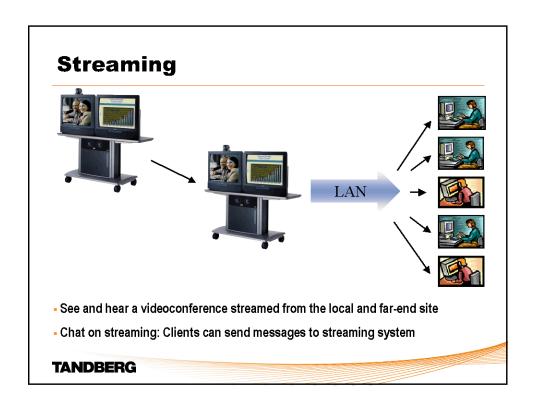
Agenda

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Summary of additional features

- Autoanswer
- Last number dialled
- Local clock and time of missed calls
- Do not disturb
- Text chat
- On the fly network selection
- Intelligent call management auto selection of optimal video/audio quality

