Mitel MiVoice Video Phone

Make Multimedia Collaboration a Natural Part of Your Workday

Key Features

- Seven-inch back-lit, high-resolution, color, multi-touch screen display with brightness controls

- Built-in four-party video conferencing bridge

- Embedded Picsel SmartOffice Suite that enables the ability to view / modify PowerPoint®, Word, Excel®, and PDF files

- Support for full multimedia being sent to remote participants

- Built upon open, standards-based protocols & codecs - SIP, H.264 Baseline & High Profile

- Array of 16 microphones located around the appliance allow for 360-degree sound pickup from up to 12 feet away

Mitel® MiVoice™ Video Phone is a multimedia collaboration appliance that provides businesses with a range of capabilities, such as audio conferencing, in-room presentation display, multi-party audio & video conferencing and remote collaboration for the personal office and traditional meeting space all via a single, all-in-one business collaboration solution.

Traditionally video solutions were purchased and deployed as independent islands to other video and business solutions, which resulted in high costs and low return on investment for the business. With this in mind the MiVoice Video Phone was designed to not only provide businesses with video collaboration at an affordable price point, but to allow video collaboration to be more widely deployed throughout your business and therefore be used in a more personal nature.

What Makes MiVoice Video Phone Unique

MiVoice Video Phone is a first-of-its-kind device that provides businesses of any size of business with an affordable all-in-one collaboration solution that delivers superior audio performance and rich multimedia collaboration. Before the MiVoice Video Phone was introduced nothing existed for businesses that combined their audio, video, and presentation display needs into a single, easy to use appliance.

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What makes MiVoice Video Phone truly unique is that it delivers:

- High Definition (HD) Audio (22khz) providing acoustically superior sound clarity
- Automatic Video Call escalation once an audio call has been established – making video as easy as making a phone call.
- A built-in high-resolution, seven-inch color multi-touch display (1024 x 600 dpi) that is used to access call handling, video conferencing and presentation functions
- In-room presentation display capabilities for traditional meeting space use
- Embedded Picsel SmartOffice Suite that enables the ability to view / modify PowerPoint®, Word, Excel®, and PDF files
- Access to cloud-enabled services, such as, Google® Docs™ and Dropbox
- Remote Desktop (RDP) capabilities so users can access a remote PC from the appliance for visual collaboration
- An embedded web browser that provides access to web-based services, such as Gmail, Google Contacts, and MS Exchange Web and web presentation services, such as MiCollab or other collaboration services
- Support for full multimedia - video stream being sent to remote participants can contain multimedia content that is located within the web, such as videos on YouTube or content that is located on a corporate drive or within a PowerPoint presentation

Additional MiVoice Video Phone Features

Other key aspects of the MiVoice Video Phone that are equally important to you and your business include:

AUDIO PERFORMANCE

- An array of 16 microphones located around the appliance allow for 360-degree sound pickup clearly from up to 12 feet away from the appliance
- Beamforming Technology automatically locates the prime speaker in the room, reduces the noise from the other microphones and provides visual indication of the active microphone beam to users in the room
- Provides full-duplex speaker-phone functionality for natural, non-clipped conversation
- Utilizes technology designed to resist GSM interference from mobile phones and other wireless devices, so that it can deliver clear communications without noise distractions

AUDIO CONFERENCE FUNCTIONALITY

- Provides a built-in four-party audio conferencing bridge (one local + three remote)
- Has a "Consultation Call" ability that provides the ability to set up a call with an external participant outside of the conference bridge even when the bridge is full
- Provides audible tone alerts when a party on a conference call has entered or dropped off the conference

VIDEO COLLABORATION FUNCTIONALITY

- Provides a built-in four-party video conferencing bridge (one

local + three remote)
- Up to 720p x 30fps video conferencing support
- HD multi-party audio / video conferencing capabilities with built-in four-party bridge (one local + three remote)
- Simultaneous display of both the presentation material and video windows of the conference participant -with the participant videos being display in a filmstrip format
- Allows for Picture-in-Picture display allowing local participants to see their video stream when engaged in a two-party conference
- Provides Dynamic Bandwidth Adaptation technology to automatically reduce the bandwidth being used when network congestion is encountered and then return back to normal when the network congestion clears

Video Collaboration When & Where You Need It

MiVoice Video Phone allows video collaboration to be more widely deployed throughout your business - from the Boardroom to the personal meeting space.

EMBEDDED CAPABILITIES

- Web Browser allows multimedia support for access to cloud-based services, such as Gmail, Exchange Web for contact dialing and chat functions
- Provides two USB 2.0 connections for transferring or accessing files or for accessories support, such as a wireless keyboard and mouse
- Has a Micro SD card slot for accessing files

SOLUTION INTEROPERABILITY

- Supports operation behind MiVoice Border Gateway (MBG) as a solution to ensure firewall / NAT traversal, as well as to support communications between Teleworker / Branch Office locations
- Can be connected to a business's Corporate Directory via Active Directory® or LDAP support
- Powered via Power over Ethernet (PoE); Optional PoE Universal Power Adapter or Multi-port PoE Gigabit (Gb) Switch
- Built upon open, standards-based protocols & codecs (SIP, H.264 Baseline & High Profile) allowing it to be deployed in Mitel and non-Mitel communications environment

TECHNICAL SPECIFICATIONS

Product Information	MiVoice Video Phone (PN 50006591)
System Requirements	MiVoice Business, Release 5.0 SP2 (or higher) MiVoice MX-ONE (formerly Aastra MX-ONE), Release 5.0 SP5 (or higher) MiVoice 5000 (formerly Aastra A5000), Release 6.1 (or higher) MiVoice Border Gateway (MBG), Release 7.1 (or higher)
Power	IEEE 802.3at Power over Ethernet (Class 4) compliant Optional Gb PoE Adapter, Universal, 90-264 V, 48 VDC 50 – 60 Hz (PN 51301151) Optional Multi-port Gb PoE Adapter, Universal, 90-264 V, 48VDC 50 – 60 Hz (PN 51301282)

Power Consumption	Power Consumption	GB Mode
Idle	4.5 W	5.7 W
Typical	8.1 W	9.2 W
Maximum	16.2 W	20.0 W

Display	Resolution: 1024 x 600 Size: seven inch Color multi-touch TFT display Back-lit display with adjustable brightness
Keypad / Feature Keys	Standard 12-key touch-screen keypad (0–9, *, #) Five off-display touch buttons with icons for Home, Menu, Back, Mute , Volume Up/Down
Audio Features	Beamforming microphone array – 16 microphones- on speaker Noise Reduction Frequency Response: 150 Hz to 22 kHz 12 ft (3.5 m) microphone pickup Maximum Speaker Volume: 80 dB at 1 meter peak volume Speaker / Ringing Volume range: 36 dB over 12 steps (Volume remains at last setting used) Full-duplex speaker-phone for natural conversation Volume control settings with on-screen display indication Automatic Gain Control (Beam former) Voice activity detection DTMF tone generation / DTMF event RTP payload Low-delay audio packet transmission Adaptive jitter buffers Packet loss concealment Acoustic echo cancellation Supported Codecs: G.711 (A-law and u-law): G.729a, G.722, G.722.1
Room Size (Maximum)	9,800 feet3 (277 m3) 35 x 35 feet (10.7 x 10.7 m)
Video and Collaboration Features	Up to four-party Video Conference (one local and three remote) H.264 support – Baseline and High Profile support 720p x 30 frames per second (video) 1080p (in-room presentation) Support for Dynamic Bandwidth Adaptation for video bandwidth

Peripheral Device Support	HDMI Display HDMI Projector / Pico Projector Ethernet (LAN) Video Camera USB keyboard and mouse (wireless recommended)
Camera Specifications/ Requirements*	ONVIF compliant Ethernet camera (Open Network Video Interface Forum) Supports H.264 video compression Supports video resolution up to 720p @ 30 fps Supports video streaming via RTP over UDP Provides a 10BASE-T/100BASE-TX Ethernet network interface
SIP Call Handling Features	Make Calls Receive Calls Advanced built-in four-party conferencing Call Hold Retrieve/ Speaker-phone Volume Controls Mute Ringing Volume Controls Configurable dialing plan support Search function One-touch contacts speed dial
Tone Plans	MiVoice Video Phone can be configured to generate country specific call progress tones. Tone plans are supported for the following countries or regions: Australia, Canada, France, Germany, Italy, Latin America (Argentina, Chile, Mexico), Netherlands, New Zealand, Portugal, Spain, UK, USA
Other Features	SIP Resiliency Status Bar: Network Status Settings: Brightness, Clean Mode, Advanced Settings, Date and Time, System Settings, Login / Logout, Language, Keyboard Time and date display / call timer Corporate Directory (Active Directory / LDAP) support Support for QWERTY or AZERTY keyboard styles with built-in keyboard function Multilingual Support: English, French (Canadian), Spanish (European), Spanish (Latin American), Dutch, German, Italian, Portuguese (European), Portuguese (Brazilian) Called, calling, connected party information LED ring with dual-colour (Blue / Red) LEDs (for ringing, mute, idle, alerting, and microphone beam indications)
Interfaces / Connectors	Ethernet 10/100/1000 Base-T with PoE (RJ45) HDMI (Type A) connector (HDMI version 1.4a) USB 2.0 (Type A) interface (x2) – used for transferring files / accessories support Micro SD Card slot External Audio input jack 3.5mm TRS (Used with External Wireless Microphone System) Five one-touch buttons for dedicated Home, Menu, Back, Mute, Volume Up / Down functions Support for USB-connected wireless keyboard and mouse
Network and Provisioning	IP Address Configuration: DHCP and Static IP Flexible Bandwidth Control for up-link and down-link connections Voice QoS Support: IEEE 802.1p/q tagging (VLAN), Layer 3 TOS and DSCP Network Address Translation (NAT) support (MBG) Backup import export/ Status and statistics (Debugging Settings) Reset to factory default
Security *Not currently supported on MiVoice Business	Standard SRTP * Transport Layer Security (TLS) * Password login Password protected Settings (Administrator Access only) IEEE 802.1x
MTBF Rate	40.0 Years

Regulatory Standards

Safety	USA	UL 60950-01
	Canada	CSA C22.2 No. 60950-1-07
	Europe	EN 60950
		EN 60950-1
	Australia/	
	New Zealand	AS/ NZS 60950-1
	Mexico	NOM-019-SCFI-1994
EMC	USA	FCC (47 CFR Part 15) (Class B)
	Canada	ICES-003 (Class B)
	Europe	EN55022 (Class B)
		EN55024: 1998 + A1:2001 + A2:2003 EN61000-3-2:2006 EMC-, Part 3-2 EN 61000-3-3:1995 + A1:2001
	Australia/	
	New Zealand	AS / NZS CISPR 22 (Class B)
Telecom / Network	USA	FCC (47 CFR Part 68)
	Canada	CS-03, CP-01
	Europe	TBR-4, TBR-12, TBR-3, 203ETSI 021,
	Australia	S002, S003, S038
	New Zealand	PTC220/ TNA 134
Acoustic – Regulatory	USA	ANSI/TIA 810-B
	North America	ITU-T p.340
		TIA/-920, (DEC/02)
Protocol Support	SIP	
	H.264 Video Codec – Baseline & High Profile	
MiVoice Video Phone ships with:	MiVoice Video Phone appliance	
	7 foot (2 m) CAT5e Ethernet LAN cable	
	10 foot (3 m) HDMI cable Installation Guide	

Environmental Conditions	Temperature	Humidity
Operational	0°C to +49°C (+32°F to 120°F)	15% – 95%, non-condensing
Storage	-30°C to +66°C (-22°F to +150°F)	15% – 95%, non-condensing

Warranty	1 year	

Physical Dimensions	Size (L x W x H)	Weight
MiVoice Video Phone Only	13.5 in x 8.7 in x 2.8 in (35 cm x 22 cm x 7 cm)	2.85 lbs (1.3 Kg)
Boxed	18.5 in x 10.5 in x 5.5 in (44 cm x 26.5 cm x 14 cm)	4.4 lbs (2.0 Kg)

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Powering connections