

Release Notes

SCOPIA Elite 5000 Series MCU

Version 7.7.2

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This document contains late breaking or other information that supplements RADVISION SCOPIA Elite MCU version 7.7.2.

About SCOPIA Elite MCU

SCOPIA Elite is the next-generation processing platform from RADVISION.

SCOPIA Elite provides a new level of media processing and density.

The new platform supports a range of video conferencing systems, from entry-level desktop systems to high-end High Definition room systems, Telepresence rooms and Mobile devices.

What's new?

What's new in version 7.7

SCOPIA Elite MCU version 7.7 includes the following new features:

- SCOPIA Elite 5105 has been added to the Elite product line. This is an entry level product targeted for SMBs. For technical details and other information, please refer to the SCOPIA Elite administrator guide.
- Customers can now customize the auto attendant logo. The logo can be the same for all MCU services or unique per service. Please refer to the SCOPIA Elite Administrator Guide for technical details regarding the image size, format and other characteristics.
- Two new video geometries were added with 10 and 21 participants.
- A new option was added to the moderator video menu that allows the user to start recording of the meeting using the endpoint remote control.
- SIP presentation (BFCP) is now supported with Tandberg endpoints in addition to the SCOPIA XT1000 and a set of Polycom endpoints which were already supported.
- Telepresence self-see option is now available. Pressing '0' on the remote control will add the self-view as an overlay on the video layout.

What's new in version 7.6

SCOPIA Elite MCU version 7.6 includes the following new features:

- The increased capacity license has been enhanced and it now provides X2 capacity for video resolution of 480p. This is in addition to the existing X4 capacity for video resolution of 352p. The MCU should be pre-configured to either X2 or X4 capacity. Customers who already have the increased capacity license installed can continue using the same license.
- Support encryption when connecting to the MCU using the auto attendant.
- MCU can now offer multiple resolutions in H.239/H.263 capability (both XGA 5fps & CIF

30fps).

- Flow Control and Video Fast Update filtering mechanism has been enhanced and includes also video switched conferences.

What's new in version 7.5.1

SCOPIA Elite MCU version 7.5.1 includes the following new features:

- SIP presentation support - currently supported with SCOPIA XT1000 and a set of Polycom endpoints.
- Improved error concealment mechanism. This is a major improvement in the video quality when 3rd party endpoints are connected to the MCU over networks experiencing packet loss and high jitter.
- Ability to set Elite MCU Auto-switch Interval to flexible values with a minimum of 3 seconds.

What's new in version 7.5

SCOPIA Elite MCU version 7.5 includes the following new features:

- Multi-stream Telepresence interoperability with leading Telepresence vendors. SCOPIA Elite MCU version 7.5 implements proprietary Telepresence protocols from Tandberg, Polycom and LifeSize. The support for Cisco Telepresence solution is also improved. The TP support includes enhanced video layouts specifically designed to match the Telepresence experience and enables you to build a Telepresence room using any three endpoints.
- Support for 720p 60fps
- H.239 WUXGA resolution support - added to match the highest SCOPIA XT1000 resolution for data collaboration.
- Dual NIC support for Media and Management traffic separation
- Enhanced video forward error correction component. This feature improves video quality and reduces the number of video freezes in packet loss conditions.

- SCOPIA Elite MCU includes a brand new bandwidth estimation and management component. The available bandwidth is estimated at the beginning of each call, and adjusts accordingly during the call.

Compatibility

SCOPIA Elite MCU version 7.7.2 is compatible with the following product versions:

- SCOPIA iVIEW Management Suite versions 7.7.1 and 8.0
- SCOPIA Desktop Server versions 7.7.1 and 7.7.2
- SCOPIA Mobile for iOS 3.0.51
- SCOPIA Mobile for Android 3.1.36
- SCOPIA Video Gateway version 7.7
- SCOPIA MCU version 5.7.3
- SCOPIA Gateway version 5.7.2
- Enhanced Communication Server (ECS) version 7.7
- PathFinder version 7.7
- SCOPIA XT4200 and XT5000 version 3.0
- SCOPIA XT1000 version 2.5
- SCOPIA VC240 version 2.7.1.4

Upgrade and Downgrade procedures

It is mandatory to run upgrade and downgrade procedures from a machine located on the same network with your MCU to ensure that there are no failures due to network connectivity problems.

Note: SCOPIA Elite 5105 does not support software versions earlier than 7.7 and cannot be downgraded to such versions.

Upgrade procedure

SCOPIA Elite MCU version 7.x runs only on the SCOPIA Elite 5110, 5115, 5215 and 5230 platforms. You cannot upgrade a SCOPIA MCU board to version 7.x.

Upgrading a SCOPIA Elite 5230 automatically upgrades both blades in the chassis.

Note: Upgrading to version 7.6 or V7.7 requires upgrading to version 7.5 first. Upgrading to version 7.5 from earlier versions is only possible using the external Software Update Tool (SUT). You cannot upgrade the MCU to version 7.5 through the web user interface

To upgrade from SCOPIA Elite MCU version 7.1.2 to SCOPIA Elite MCU version 7.5:

1. (Recommended) Save the current MCU custom configuration by performing these steps:
 - a. In the MCU web user interface, click the maintenance icon .
 - b. Select Backup configuration and save the generated .zip file.
2. Run the SCOPIA Elite MCU Software Update Tool and select the *Upgrade to version 7.5* tab.
3. The upgrade process is very long and may take up to 45 minutes, depending on your system. You will need to wait until the upgrade process completes successfully. Ensure that you neither restart nor use the system in any way during the upgrade process.

Note: The SUT must be used for transition (migration) of all MCU Elite types (5110, 5115 and 5230) from 7.1.2.8.2 to 7.5.0.X.X. The SUT **SHOULD NOT** be used for any uploads of version 7.5 software on machines where any 7.5 or later software version is already running.

To upgrade from SCOPIA Elite MCU version 7.5.X to SCOPIA Elite MCU version 7.6.X:

Note: When upgrading from version 7.5.X to version 7.6.X, the system may display a request for a new license key. Ignore the message and select **OK** to continue with the upgrade procedure. After the upgrade, the MCU license remains permanent

1. (Recommended) Save the current MCU custom configuration by performing these steps:

- a. In the MCU web user interface, click the maintenance icon .
 - b. Select Backup configuration and save the generated .zip file.
2. In the MCU web user interface, click the maintenance icon .
3. Select Update software.
4. Browse to locate the supplied package and click Update. The upgrade process takes several minutes and at the end the unit reboots.
5. After the reboot, the latest version is installed on the MCU.
Since the upgrade process does not override the existing configuration, you do not need to import the saved configuration.

Downgrade procedure

To downgrade from SCOPIA Elite MCU version 7.7.X to SCOPIA Elite MCU version 7.6.X:

1. (Recommended) Save the current MCU custom configuration by performing these steps:
 - a. In the MCU web user interface, click the maintenance icon .
 - b. Select Backup configuration and save the generated .zip file.
2. In the MCU web user interface, click the maintenance icon .
3. Select Rollback software.
4. After reset, the previous release is installed on the MCU.
The downgrade process returns the MCU configuration back to the previous version—with the values used prior to the last upgrade.

Note:

Downgrading to a version earlier than version 7.5 is not recommended and is strongly discouraged. Downgrading to version earlier than 7.5 is only allowed from version 7.5 and only using the external Software Update Tool. If such a downgrade is needed, please contact RADVISION Technical Support prior to the downgrade itself

Resolved Issues & Enhancements

This section details the list of issues that were resolved in this version.

These issues have been fixed in version 7.7.2:

- SCOPIA Desktop clients disconnecting from an Elite MCU conference may result in deletion of additional participants from the iVIEW Conference Control.
- Slider does not function correctly when using an encrypted service.
- Some of the product logs were missing in the CsPackage.
- Video freezes may occur on a SCOPIA XT1000 when sharing presentation from a SCOPIA Desktop client.
- Elite MCU may unregister from the ECS unexpectedly.
- MCU “Link is up” trap was not sent upon event occurrence.
- Video freezes may occur on the endpoints connected to an Elite MCU conference when connected to Cisco CTMS and Tandberg Profile is part of the CTMS conference.
- FECC may not function correctly when a H.323 endpoint joins a PIN-protected conference.
- When connecting to a PIN-protected conference, the time interval for DTMF input is not sufficient if PIN length is more than 6 digits.
- Added "ping" option to the "admin" user prompt.
- MCU may try to reconnect incoming calls endlessly upon disconnection.
- In rare cases the MCU may fail to reboot.
- Setting the presentation ratio on the MCU may cause sync issues on iVIEW when uploading a service to other MCUs.
- When cascading with Polycom RMX, participants connected to the RMX may see their self-video.
- Configuring a GMT offset on the MCU may cause sync issues when exporting the MCU CsPackage.

These issues have been fixed in version 7.7.1:

- Added French Language support for the Moderator menu, Text Display messages and Audio

messages.

- MCU does not employ AAC-LC audio in a SIP call.
- Audio isn't sent from the MCU after SIP Re-INVITE. Elite MCU does not support a change in the remote RTP Port with a Re-INVITE.
- In some rare cases, audio transcoding might cause stability issues.
- Elite 5230 MCU fails to support more than 100 standard definition video calls when H.239 Presentation is employed. In a cascaded conference with two Elite 5230 MCUs the maximum number of standard definition video calls is 173 when H.239 Presentation is employed. Additional calls are connected with audio only.
- Problems and enhancements to the UI indications and messages:
 - Added a new Lock/Unlock status icon
 - Number of audio participants
 - Audio-only indication for muted party
 - Incorrect voice message when a party is in the Waiting Room
 - Moderator Menu doesn't show
- H.239 Presentation image size does not allow setting of 1080p. HD1080p option is missing from the Advanced Command parameters.
- MCU does not support https certificate with length of 2048 bit.
- The MCU might reboot when receiving RTP packets bigger than 4KB.
- MCU might reboot when an endpoint joins a conference with H.239 and FECC.
- MCU configuration might reset to factory default values after reboot when the Advanced IP Configuration is used for adding static routes.
- When the Personal Layout Option is not enabled, a "Video-in-Video" (recurring video) effect might be observed when Elite MCUs are cascaded.

These issues have been fixed in version 7.7:

- Video sent by the MCU may freeze when the incoming video resolution changes dynamically.
- The Packet Lost indication on the MCU Web UI presents incorrect count.
- A caller being in a MCU IVR session might hear DTMF tones entered by another caller.
- A false error reporting the operation failed might be displayed when disabling Automatic Gain Control (AGC).

- When SCOPIA Desktop client opens extended video, the main video channel towards some endpoints might be closed. The problem is encountered mainly towards Tandberg endpoints.
- MCU rejects calls when its authorizer (for example iVIEW) is not responding. The MCU should allow calls when there is no authorizer or the authorizer is not responding.
- Starting presentation towards Polycom VSX7000 may cause the endpoint to disconnect.
- Interop issues are possible when media stream sent from Polycom HDX endpoints arrives with a delay.
- When a 384K Service is used and the preferred audio codec is G.722, the MCU may offer only G.722.1 audio instead of G.722. The result is that some endpoints may fail to join the MCU Conference.
- Long participant name used on SCOPIA Desktop client may not be handled properly and cause a restart of the MCU. The problem may happen with names using length close to or longer than 127 characters.
- A corrupted H.264 video stream may cause the MCU to restart while in call.
- The Elite MCU may send a video stream with a higher than the negotiated video rate. This problem may be experienced on the main video channel and/or on the H.239 Presentation channel. A more flexible, configurable control over the transmitted rate was added in this version.
- Setting the MCU Elite Service Base Picture Size to CIF instead of 4CIF may cause a MCU restart. A limitation in the configuration of the service has been added in this version - the minimal supported value which the user is allowed to select now is 4CIF.
- MCU would not accept incoming presentation channels when the MCU Service Presentation frame rate is configured to 30.
- When making an IP call from an endpoint to the MCU ensure that you do not define the Gatekeeper IP address in the endpoint if the MCU is not registered to a Gatekeeper.
- The user interface does not function correctly when using IE9 as the web browser.

These issues have been fixed in version 7.6.1:

- Fixed AAC audio issue that may impact SCOPIA Mobile users.

These issues have been fixed in version 7.6:

- In a cascaded conference, the encryption status of individual participants might display

incorrectly.

- If you are using Tandberg HD endpoints and H.239, we recommend that you use the advanced command `h323terminaltypecode` with a value of 200.
- The MCU temperature and CPU alarms displayed in the web user interface may show a wrong value.
- The number of Audio Packet Counter (MCU->Endpoint) displayed in the MCU conference control is always "1".
- Added functionality to pre-configure the "Manual Gain" related to the AGC.
- The unit stability has been improved to sustain DSP failures without the need to reboot the boards.
- Scheduling of conferences where more than 30 Standard Definition endpoints are connecting using bandwidth of 2Mbps fails.
- In a cascaded conference with "No Self See" enabled the Slave participant's video might not appear in any of the video sub-frames
- In a cascaded conference enabling the option 'auto mute joining participants' functions for the Master conference parties only.
- Parties using G.729 audio codec may fail to connect via IVR.
- Main video picture size is forced by the selected Service bandwidth and can be set to default value when some service parameters (like bandwidth) are changed.
- No Self See configuration for the first participant isn't working (advanced command "noselfseeforfirstpart").
- H.239 Presentation interop issues may cause black presentation on Polycom Endpoints.
- In some rare occasions the Main video might be seen before entering the conference PIN.
- Video processing instability with corrupted streams may cause DSP failure.

These issues have been fixed in version 7.5.1:

- Elite MCU may become unstable and reboot when decoding H.264 SVC stream from SDS.
- Elite MCU may reboot when cascaded to Cisco Telepresence conference.
- Elite MCU might reboot due to video processing failure between HD and SD when the video layout needs to change very fast.

- Elite MCU might experience stability issues when working in SIP towards Polycom HDX-8000.
- When sending presentation to Polycom RPX, it may send the presentation back to the MCU.
- When Polycom RPX is connected to the MCU, the video may be slightly cropped between the different video segments.
- When connecting a RADVISION XT1000 to an Elite MCU switched video meeting, the default MTU size should be set to a minimum of 1374.
- SD Client version 7.5 may open CIF resolution only instead of 352p.
- Elite MCU failure when connecting Tandberg C20 to MCU auto-attendant with encryption.
- Elite MCU may experience an exception and need to reboot when the auto-attendant is connecting an endpoint without encryption ability to an encrypted conference.
- Elite MCU may reboot when working towards Tandberg Movi clients.
- User who has proper access rights to the MCU may exploit some security vulnerabilities as per Matta Security Research Report. For details related to the ways those problems were resolved please contact RADVISION Customer Support.

These issues have been fixed in version 7.5:

- Exporting the Customer support package might not be successful. To overcome this issue, perform this operation when the system is idle.
- The size of text overlay from the slave MCU is too small to read when two MCUs are cascaded. This is solved by creating an additional cascading channel for standard definition endpoints, which consumes an additional port on each cascaded MCU.
- Scotty Teleporter endpoint crashes during the auto attendant transfer process.
- Encryption does not function with TANDBERG C20 or C90 endpoints.
- Polycom VS512 might fail connecting to the MCU. In that case, you will need to disable H.239 and Forward Error Correction (FEC) in the MCU service configuration.
- Occasional video switch to muted endpoints may happen when the EPs are sending AAC-LC audio. In any case no audio from such endpoints is transmitted to the other parties.
- When making a 720p at 4Mbps, the MCU limits the incoming video bitrate to 2Mbps. The MCU outgoing bitrate will still be 4Mbps.

Known Issues

This section details the list of open issues in this version.

Auto Attendant and IP Dialing

- Auto Attendant is not supported for the endpoints in the list below. Those endpoints do not support the Hold/Resume mechanism used to transfer endpoints from the Auto Attendant session to the target Conference: Sony 1600, Polycom VS512, Innomedia SIP, Leadtek SIP phone, TelePhoSee, Aethra X3, old versions of Tandberg 1000 and Tandberg 6000.
- Connecting to the MCU auto attendant using a Tandberg 1000 requires endpoint version B10.3 or higher.

MCU User Interface

- The user interface does not function correctly when the following setting is configured in Internet Explorer:
Tools > Internet Options > General > Temporary Internet files > Settings > Every visit to the page
Solve this issue by modifying this setting to Automatically.
- IE-8/Vista: Redirection to login page when trying to open the Conference Control page from the web admin, by clicking Manage Conferences.
- When logging out from the Conference Control (with operator user) the admin page also logs off and can re-connect as read-only. To overcome this issue, connect to the WEB from another PC.
- Restoring the MCU to factory default configuration is not recommended when the MCU is configured to work in IP separation mode.
- MCU fan speed indicator might display incorrectly 0-RPM no matter that the fans are working correctly.

General Interoperability

- Polycom HDX version 2.0 or higher is required for HD conferencing.
- LifeSize version 3.5.3 endpoints fail to send audio or video over H.323. Solve this issue by upgrading the endpoints to version 4.0 or later.
- TANDBERG C90 version TC1.1.1.178142 and later is required for HD conferencing.
- When working with TANDBERG MXP 990 (SD NTSC) the best HD experience is achieved when setting the endpoint to motion mode.
- In a full HD 1080p conference with Polycom HDX8000 endpoints, they display a resolution of 1920x1072 and TANDBERG C20 and C90 endpoints display a resolution of 1920x1088, even though the MCU is sending 1920x1080.
- In some cases, Mirial softphone doesn't send video to the MCU.
- When two or more LifeSize endpoints are connected to a conference and sending different resolutions, there might be an aspect ratio issue.
- When connected to Polycom RMX, MCU may reboot due to corrupted media received from the RMX.
- When an IBM Sametime client connects to an MCU conference using audio only, it may not be possible to add video to the call. Reconnecting using video should solve the situation.
- Resource leaks may occur when an automatic cascading between MCUs is invoked. In such situations the Video Layout of a Slave endpoint might be smaller than expected. The problem might be encountered when Tandberg endpoints using T.140 (e.g. Tandberg MXP-1700) are connected.
- You can have a maximum of 99 simultaneous conferences on a single MCU.

H.243 Conference Control

- H.243 conference control might not function with some ISDN endpoints that are connected through a gateway.

- When H.243 is enabled, Far End Camera Control (FECC) to some TANDBERG endpoints might not function. Disable H.243 to solve this issue.
- Moderator Control cannot be taken from the endpoint menu via H.243 commands in conferences which are assigned with a moderator PIN code. Moderator Control can be taken via the MCU DTMF conference control menus.

Encryption

- Encryption does not function with Tandberg endpoints that support both AES and DES and that are configured to only enable DES. Enable AES in the endpoint to solve this issue.
- Tandberg 6000E might disconnect during encrypted calls. Configure the endpoint to use a bitrate of 768 Kbps to solve this issue.
- Encryption does not function with Polycom HDX 9002 endpoints that are configured to work in the “encryption required” option. Configure the endpoint to use “encryption when available” to solve this issue.
- Sony PCS-1 endpoints version 3.41 or earlier, fail to connect to the MCU when the MCU is configured to use encryption. Use version 3.42 or later to solve this issue.
- When the MCU is configured to use encryption, Aethra Xtreme300 endpoints open H.263 4CIF, instead of H.264 1080p.
- In some cases where encryption is being used, the bitrate of existing calls may be reduced to maintain the MCU capacity and accommodate additional calls.

H.239

- In the event that a Tandberg endpoint joins a conference while a H.239 presentation is in progress, you might need to restart the presentation so that it can be seen by the Tandberg endpoint.
- Sony PCS-1 endpoints do not always display the presentation when the presenter is an HD endpoint.
- Older endpoints such as Polycom VSX5000 or older Tandberg endpoints may not display any video after opening a presentation. Solve this by setting the endpoint to work in H.263 only,

or by changing the MCU service to support H.263 only.

- Aethra X7 supports only the resolutions of 480p or lower on the presentation channel. Configure the MCU accordingly to allow the presentation to open.
- TANDBERG C20 endpoints do not display the presentation when the presenter is any other endpoint in a full HD 1080p conference. Configure the MCU to a maximum call rate of 1,500 Kbps or less to solve this issue.
- When sending presentation from Sony PCS-XG80, it may not be received by a LifeSize Passport connected to the same conference.

Cascading

- We recommend that you use the web conference control of the Master MCU rather than of the Slave MCU in order to manage a cascaded conference.
- When cascading with a SCOPIA MCU we recommend upgrading to version 5.7.2.
- Layout per participant and the shrink-to-fit feature are not supported on endpoints connected to the slave MCU.
- When a slave participant becomes the active speaker, the text overlay may be displayed with a slight delay after the video itself.
- Maximum number of simultaneous cascading connections on a single MCU is limited to 60. This includes cascading with SCOPIA Desktop Server.

SIP

- Use TANDBERG MXP1700 versions later than 7F only.
- Sony PCS-1 endpoints version 3.41 or earlier fail to connect to the MCU when using SIP. Use version 3.42 or later to solve this issue.
- LifeSize version 3.5.3 endpoints connect using CIF resolution instead of 720p when dialing out over SIP. Upgrade to version 4.0 or later to solve this issue.
- The audio channel fails to open when dialing out to Polycom version 2.0.3.1 endpoints over SIP. Remove the G.722.1C audio codec to solve this issue:

- When connecting Tandberg MXP150 with versions earlier than 4.2, the endpoint may not display video. Perform one of the following steps to solve this issue:
 - Upgrade to a later software version (such as 5.1).
 - Connect the endpoint at 384 Kbps or lower.
 - Change the preferred video codec the endpoint is using to H.263.
- When muting and un-muting a LifeSize Room 200 endpoint version 4.0.11 connected in SIP, the endpoint stays muted. Upgrade to a later endpoint version to solve this problem.
- When dialing out to Sony PCS-XG80 endpoints, they connect using 288p resolution instead of 720p. Use the Empty Invite option to solve this issue.
- Bad audio on LifeSize-Room100 (version 3.5) when connecting through SIP to a meeting, after the auto attendant.
- Sony XG80 doesn't send video after transfer but video channel remains open.
- MCU SIP Presentation does not work with Tandberg MXP ver. F8.0 PAL and F9.0.2 PAL. This happens because the Tandberg endpoint only supports BFCP over UDP.

Far End Camera Control (FECC)

- Life Size Room 200 endpoints using versions lower than 4.0.7 cannot control the camera of other endpoints.
- FECC is not functional with Tandberg C20 and C90 endpoints.
- FECC is not functional on encrypted meetings with LifeSize and Polycom HDX endpoints.

Video

- Strips on the video layout when endpoint with 480p capabilities displays video from 720p endpoints.
- When setting the Elite auto-switch Interval, the actual switching interval may be longer in case that the unit is overloaded or cascaded.
- Interoperability issue with Scotty EOS which may lead to a degradation of the video quality due to video RTP de-blocking.

- The number of audio-only participants in a given conference might be displayed incorrectly.
- Manual drag & drop of a participant in the iVIEW Conference Control UI may disable the active speaker video indication.
- Setting the MCU Elite Service Base Picture Size in 480p/60 Ports Mode to 4CIF instead of 480p may cause a MCU restart. This is especially critical when a SD call is connected. Contact Customer Support for details on how to handle this situation.
- Text message sent to the conference participants from the iVIEW Conference Control UI is limited to 255 bytes.

Telepresence Interoperability

- When Polycom RPX is connected to the MCU, the different video segments may be crossed and shown in a wrong order on the video layout.
- When dialing from a Polycom Telepresence to an MCU conference, you may experience connectivity issues.
- When calling to a Tandberg T3 v1, the call may not fully connect, thus it is not possible to send DTMF or start presentation from the T3. Working with Tandberg T3 v2 solves this issue.

Tips

- It is strongly recommended to export the customer support package only when the MCU is in an idle state. Exporting the package when the system is loaded may force the system to restart.
- When the Windows Start Navigation sound is enabled, a continuous clicking sound is heard when the Conference Control interface automatically refreshes. Disable this sound in the **Sounds and Multimedia** configuration of the Control Panel.
- The Conference Control and Login screens are best viewed in full screen mode (1024 x 768).
- The MCU allows you to open multiple Conference Control browser screens at the same time. We recommend that you close screens in which you are not currently working to avoid confusion and performing operations on a wrong conference.

- We recommend that you set the Ethernet port speed and duplex parameters of both the MCU and the switch to **Auto Negotiation**. Set these parameters to 1Gbps full duplex only if your switch supports this configuration and if you experience port speed negotiation problems. Ensure that the Ethernet port speed and duplex parameter values on the MCU and the switch are identical.
- During Auto Attendant sessions, Aethra endpoints might display on-screen information that hides part of the menu presented by the MCU. Click a "C" (del) button to hide the information the endpoint displays.
- During Auto Attendant sessions, LifeSize endpoints might display on-screen information that hides part of the menu presented by the MCU. Click the far-end camera control button to hide the information the endpoint displays.
- After using the Shrink to Fit option (enabled by pressing the # DTMF key during the conference) to reduce the MCU image size, you might still find that the picture is cut. We recommend that you adjust your screen configuration parameters to restore the full image.
- It is recommended to adjust the MTU size value according to the other network devices that are part of your deployment.

Feedback

The team at RADVISION constantly endeavors to provide accurate and informative documentation. If you have comments or suggestions regarding improvements to future publications, we would value your feedback.

Please send your comments to doc_comments@radvision.com.

We thank you for your contribution.



About RADVISION

RADVISION (NASDAQ: RVSN) is the industry’s leading provider of market-proven products and technologies for unified visual communications over IP and 3G networks. With its complete set of standards based video networking infrastructure and developer toolkits for voice, video, data and wireless communications, RADVISION is driving the unified communications evolution by combining the power of video, voice, data and wireless – for high definition video conferencing systems, innovative converged mobile services, and highly scalable video-enabled desktop platforms on IP, 3G and emerging next generation networks. For more information about RADVISION, visit www.radvision.com

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