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Cisco Unified MeetingPlace supports two deployments for combined video and audio support and the deployment you use depends on your endpoints. Both deployments depend on native KPML support, although SCCP and SIP endpoints that support RFC2833 DTMF will work. The preferred signaling protocol is SIP.

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Video Requirements

- For systems that employ video, each Audio Blade must have a Video Blade associated with it.
- For the MeetingPlace Scheduling Deployment model only, you must have permission in your user profile to host video meetings. If you also have permission to reserve video resources, the system presents you with the option to reserve the same number of video ports as voice ports. If you choose to reserve video resources, the system automatically reserves the same number of video ports as voice ports for that meeting. If you do not choose to reserve video resources or are not presented with the option to reserve them, then no video resources are reserved for that meeting and video endpoints can only attend the meeting if unreserved resources are available.
- Audio-only meetings record only audio and require an audio port for the recording leg. Video-enabled meetings record audio and video and require both an audio and video port in order to start recording. To record video, you also need the [videorecording](#) license.
- *For Release 7.0.1 only:* Cisco Unified MeetingPlace takes the highest choice offered, either H.263 or H.264 and the ordering is determined by Cisco Unified Communications Manager. This ordering is influenced by endpoint configuration.
- *For Release 7.0.2 and later:* Cisco Unified MeetingPlace only allows one video codec per video terminal profile. You can configure the video codec to be H.261, H.263, or H.264. If you do not configure the video codec, you can only use H.264.
- *For Release 7.0.2 and later:* Cisco Unified MeetingPlace offers a maximum resolution of 4CIF at 15 frames per second when using H.263.

- Cisco Unified MeetingPlace only supports H.261 in "Standard Rate" mode and not in "High Rate" mode. If you try to use H.261 in "High Rate" mode, the system substitutes H.263 instead. See Recommendations for Determining the Global Video Mode.

Video Endpoints

For a list of the video endpoints that Cisco Unified MeetingPlace Release 7.0 supports, see the *System Requirements and Compatibility Matrix for Cisco Unified MeetingPlace Release 7.0* at: http://www.cisco.com/en/US/products/sw/ps5664/ps5669/products_device_support_tables_list.html

Video Layouts

Cisco Unified MeetingPlace has predefined services, or meeting types that cannot be added or removed. These services are accessed through the advanced configuration option and we recommend that you do not change them. The system comes with six predefined services: two audio options and three video options. Based on your Global Audio Model and Global Video Mode settings system wide, only 2 of these will be used on your system.

Use these predefined service to avoid introducing incorrect services into Cisco Unified MeetingPlace. See Installation for information on how to use the services. Note that these numbers do not affect dialing and have no significance.

Determining which Audio Deployment with Video to Use

| Feature | Option 1: Deployment With SCCP or SIP Video Endpoints | Option 2: Deployment With H.323 Video Endpoints | Option 3: Deployment with Cisco Unified Video Advantage Endpoints Connected to Cisco Unified Communications Manager Release 4.x |
|---|--|--|---|
| Your call control and version | Cisco Unified Communications Manager Release 6.1(2) or later | Separate IOS gatekeeper-controlled call-control domain which integrates with Cisco Unified Communications Manager Release 6.1(2) front-ending Cisco Unified MeetingPlace | Cisco Unified Video Advantage endpoints directly connected to Cisco Unified Communications Manager Release 4.x, but requires another Cisco Unified Communications Manager Release 6.1(2) to get to Cisco Unified MeetingPlace |
| You use SCCP or SIP video endpoints | X | | |
| You use H.323 video endpoints | | X | |
| You use Cisco Unified Video Advantage endpoints | | X | X |
| You have Cisco | | | X |

| | | | |
|---|--|--|--|
| Unified Communications Manager Release 4.x and do not want to upgrade | | | |
|---|--|--|--|

Option 1: Deployment With SCCP or SIP Video Endpoints

You integrate SCCP or SIP video endpoints by defining a SIP trunk on Cisco Unified Communications Manager and Cisco Unified MeetingPlace. Cisco Unified MeetingPlace supports SIP delay-offer, thus a static Media Termination Point (MTP) is optional with all calls across a SIP trunk between Cisco Unified Communications Manager and Cisco Unified MeetingPlace. You can also create a separate SIP trunk security profile, with the outbound transport type set to TCP, and associate it with the SIP trunk to Cisco Unified MeetingPlace. The SIP trunk routes all outbound calls through a single Cisco Unified Communications Manager Subscriber, if that subscriber is not available outbound calls can be routed to a second subscriber (on same cluster or different cluster). MeetingPlace Call Configuration applies to outbound calls only. Inbound calls can be sent inbound from any UC Manager cluster or multiple clusters. MeetingPlace does not control inbound calls into the system, only outbound is controlled by MeetingPlace.

This deployment uses Cisco Unified Communications Manager Release 6.1.2. The workflow is as follows:

1. SIP or SCCP voice or video
2. Cisco Unified Communications Manager Release 6.x
3. Cisco Unified MeetingPlace

Option 2: Deployment With H.323 Video Endpoints

Cisco Unified MeetingPlace Release 7.0 does not provide native support for H.323 endpoints. If your organization wants to use H.323 endpoints, you must use RAS (Registration, Admission, and Status) and an IOS gatekeeper. The IOS gatekeeper sends all video calls through via Cisco Unified Communications Manager Release 6.1.2 to convert the H.323 signaling to SIP. This deployment accommodates existing deployed video solutions. All H.323 video endpoints must register to a IOS gatekeeper. Some video features currently supported by H.323 may not work with SIP.

This deployment uses an IOS gatekeeper-controlled call-control domain which integrates with Cisco Unified Communications Manager Release 6.1.2. The workflow is as follows:

1. H.323 endpoint
2. H.323/RAS signaling
3. IOS Gatekeeper
4. Cisco Unified Communications Manager
5. SIP
6. Cisco Unified MeetingPlace

Option 3: Deployment with Cisco Unified Video Advantage Endpoints Connected to Cisco Unified Communications Manager Release 4.x

This deployment is for organizations that have an older version of Cisco Unified Communications Manager and do not want to upgrade to a newer version.

The workflow is as follows:

1. Cisco Unified Video Advantage or Cisco IP Communicator (SCCP phone)
2. Cisco Unified Communications Manager Release 4.x
3. H.323
4. Cisco Unified Communications Manager Release 6.1(2)
5. SIP
6. Cisco Unified MeetingPlace