



Avaya Scopia®

Avaya Scopia® Streaming & Recording

**Easy HD
Recording,
On-demand
Playback, High
Scale Streaming**

Time is a precious commodity in business. Repeating the same meeting or event multiple times to accommodate varied time zones is not just inconvenient, but also highly inefficient. Extending valuable meetings such as company announcements and trainings to broader audiences, and making content available on demand, can be highly beneficial.

Avaya Scopia Streaming & Recording combines the interactive features of Scopia video collaboration with powerful streaming and recording capabilities. Create and deliver valuable video business assets once instead of many times, and to large audiences, for highly efficient engagement. Meetings can be recorded and saved to the system's content library for easy, on-demand viewing or can be broadcast in real-time to any user's PC, tablet or mobile device, without specialized software for playback. Meeting hosts can record meetings or set up streaming sessions on a self-serve basis, without involving specialized IT personnel; and administrators can configure automatic and mandatory recordings for fiduciary requirements.

Universal Playback and Participation

Avaya Scopia Streaming & Recording offers universal playback and participation capabilities for modern web browsers. Users with PCs, Macs, Apple iOS and Android smart phones and tablets can view recordings or connect to streamed sessions with their favorite device. Flash, Silverlight and Windows Media Player are also supported to accommodate older browsers. Users receive the highest quality experience appropriate for their network connection and device with transparent and powerful media transcoding and transrating.

The screenshot displays the Avaya Scopia interface. At the top, the Avaya logo and user profile for Christopher Foster are visible. The main content area features a large video player for a live recording titled "The New Face of Business Engagement" by Christopher Foster. The video description mentions "Avaya Agile Communication Environment™" and its integration with CRM. Below the main video, a section titled "MOST VIEWED RECORDED MEETINGS" lists five video assets with their respective dates and durations:

Title	Author	Date	Duration
Diagnostic Server Use Case Video	Thomas Wilson	01/28/2015	24:56
Unified Communications	Elizabeth Turner	02/11/2015	2:37
Avaya K-12 Education Solutions	Kenneth Thompson	02/15/2015	12:50
Partnering in Action	Kimberly Green	02/23/2015	10:05
Avaya CMS Mobile	Anthony West	09/23/2014	

Highlights

- Universal Playback and Participation
- Simple Access
- Easy Video Asset Creation
- Flexible Deployment
- High Scalability

Simple Access

With a simple portal experience, finding and accessing recorded meetings and streamed sessions is easy. Event playback and previously recorded content viewing is combined for simplicity. Dynamic updates show upcoming or ongoing events, most viewed, and recently added recordings. Users can add thumbnails, titles, descriptions, and keyword tags in addition to organization by categories making locating content simple through integrated search capabilities.

Easy Video Asset Creation

With Avaya Scopia Streaming & Recording, room systems and desktops are transformed into real-time miniature broadcast studios. Avaya's streamlined workflow and management capabilities empower anyone in an organization to be a confident publisher of HD video content and programming within minutes of using the system for the first time. Meeting hosts can schedule and easily broadcast interactive sessions to large audiences without a conference administrator or specialized IT personnel managing the session. Sessions can be recorded in full 1080p HD, with wideband audio and data, creating valuable business assets for future reference. Convenience is provided for conference participants including full recording controls via video room systems, desktops, and mobile clients.



With more than 100 years as a leader in communications, Avaya can help your company maximize productivity with the communications solutions specific to the needs of your workforce.

Flexible Deployment

By combining and integrating five functions—content capture, encoding, management, delivery / distribution, and display—into a single server, Avaya Scopia Streaming & Recording has eliminated much of the complexity of deploying streaming and recording capabilities. An organization can start with this compact all-in-one appliance, and expand as their capacity requirements grow. Large scale implementations are enabled by both clustering for system resilience and a distributed architecture where up to 300 Media Nodes can be controlled by a single Manager.

High Scalability

Through intelligent routing, content caching, and inherent redundancy via clustering, Avaya Scopia Streaming & Recording enables reliable delivery of high scale, high quality video. A single appliance, all-in-one installation supports up to 1,500 live viewers watching a high definition streamed event; while a cluster or distributed deployment handles up to 100,000 simultaneous live viewers. System administrators can build their own internal Content Delivery Network (CDN) by deploying simple appliances in their locations, leverage and integrate with third-party CDNs with world-wide servers and points of presence, or deploy a combination of both for delivery flexibility and scale.

General

Functionality

- Simultaneous streaming and recording
- Stream / playback via PC, Mac, Apple iOS and Android mobile devices
- Supports Scopia Elite 5000 and Elite 6000 conferences
- Appliance form factor

From 240p30 @ 256 Kbps to 1080p30 @ 2 Mbps

For recording, Output resolution is the same as Input from the MCU

For broadcast, if MBR is enabled, multiple resolutions and frame rates can be used

Please refer to the product documentation

Media Handling

- Audio, video, H.239 content support
- Video resolution: up to 1080p30
- Bandwidth: 256 Kbps to 2 Mbps
- Format: MP4
- Audio codecs: G.711, AAC-LC
- Video codecs: H.264
- H.239 content: H.263, H.264
- Protocols: HTTP Live Streaming (HLS), Advanced Systems Format (ASF), Microsoft Media Server (MMS)¹
- Real-time transcoding, transrating
- Multi-bitrate (MBR)¹ support
- Supported resolutions and rates:

Video and Content Layouts

- Combined video and content (H.239) layouts

Layout arrangement:

Video or presentation

Video over presentation

Video next to presentation

- Presentation overlay location:

Upper left

Upper right

Lower left

Lower right


- Presentation overlay size:

Small (20%)

Medium (30%)

Large (40%)

- Scopia Elite 6000 Gallery Layout



With Avaya Scopia Streaming & Recording, room systems and desktops are transformed into real-time miniature broadcast studios.

Support Services

Avaya offers a full set of services to help maximize a video investment. Strategic and technical consulting along with deployment and customization services help ensure that video collaboration rollouts are successful and aligned to business requirements.

Avaya Support Services maximizes up time with software updates, upgrades, remote maintenance and expert repairs.

support (vertical video strip with large content area)

Streaming

- Universal player automatically adapts to type of stream and platform
- Live stream to desktops and laptops
- Live stream to mobile devices
- Unicast and multicast connection modes
- Media players supported: HTML5, Flash, Silverlight, Windows Media Player

Playback

- Universal player automatically adapts to type of recording and platform
- Video On Demand (VOD) to desktops and laptops
- VOD to mobile devices
- Direct download to standard MP4 file for editing, etc.

Recording

- Private or public

Content Delivery Network (CDN) Support

- Create private CDN by distributing Avaya Scopia Media Nodes
- Highwinds 3rd party support
- Hybrid private / 3rd party support

Streaming & Recording Control

- DTMF (recording only)
- Video conferencing room systems through on-screen meeting moderation menu
- Avaya Scopia Desktop
- Avaya Scopia Mobile
- Avaya Scopia Management conference control
- Audio prompt and visual indication that a recording is in progress or stopped

Content Management

- Integrated Content Management System (CMS)
- Information displayed:
 - Name (editable)
 - Category (editable)
 - Description (editable)
 - Thumbnail (editable)
 - Meeting ID
 - Type (recording or live stream)
 - Owner
 - Time (recording made, live event, scheduled event)
 - Public / private selection (editable)
 - Access PIN (editable)
 - Profile
 - Direct URL to embed content into other web pages, email, etc.
 - Download MP4 button (for owner or if owner enables privilege for others)
- Search
- Predefined static scheduled event URL for streaming

Administration

- Centralized through Avaya Scopia Management
- Users and groups
- Integrated event scheduling and notification tools
- Full multi-tenant support

Security

- X.509 certificate support
- Permissions-based content access
- Access PINs
- HTTPS

Deployment

- All-in-one appliance
- Distributed server deployment for large scale implementations
- Clustering of media nodes provides system resilience

About Avaya

Businesses are built on the experiences they provide and every day millions of those experiences are built by Avaya (NYSE:AVYA). For over one hundred years, we've enabled organizations around the globe to win—by creating intelligent communications experiences for customers and employees. Avaya builds open, converged and innovative solutions to enhance and simplify communications and collaboration—in the cloud, on premise, or a hybrid of both. To grow your business, we're committed to innovation, partnership, and a relentless focus on what's next. We're the technology company you trust to help you deliver Experiences that Matter. Visit us at www.avaya.com.

Solution Benefits

- Scopia Streaming & Recording Appliance
Includes: Hardware appliance and 1 pre-installed demo port (1 recording session at any resolution) before any license is entered
- Scopia Streaming & Recording All-in-One License, 5 ports
Enables 5 concurrent streaming and recording ports, can order up to 2
- Scopia Streaming & Recording Manager License
Enables the Manager in a distributed deployment
- Scopia Streaming & Recording Media Node License, 10 ports
Enables the Media Node-capture and delivery-in a distributed deployment

Scalability

All-in-One Appliance / Media Node

- Up to 1,500 live or playback streaming sessions (All-in-One)
- Up to 3,500 live or playback streaming sessions (Media Node)
- Up to 400 different content source videos for VOD playbacks
- Max concurrent recordings: 10 @ 1080p
- Max concurrent streaming captures: 10 @ 1080p

Entire Deployment

- Up to 300 Media Nodes per deployment
- Clustered and distributed Media Node support
- Geographic distribution of Media Nodes for WAN bandwidth optimization
- Up to 100,000 live viewers

Hardware

General

- Dual E5-2680v3, 2.5 GHz processor
- 48 GB DIMM Memory
- 2 x 1.2 TB 10k RAID 1 HDD
- 6 x Gigabit Ethernet
- Windows Server 2012 R2 for Embedded Systems

Power

- Dual, removal 750 W supplies
- 100-240 VAC, 50-60 Hz, 10-5 A

Physical

- 1U chassis
- W: 43.4 cm (17.1")
- D: 70.1 cm (27.6")
- H: 4.3 cm (1.7")
- Weight: 16.9 kg (37.3 lbs)

Environmental

- Operating temperature: 10°C to 35°C (50°F to 95°F)
- 8% to 90% relative humidity with 24°C (75.2°F) maximum dew point (maximum wet bulb temperature)

¹ Recording port capacity reduced when MMS and / or MBR broadcast is enabled due to processing overhead. Please refer to the product documentation

