



# AVAYA

## AVAYA SCOPIA® STREAMING & RECORDING

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

### HIGHLIGHTS

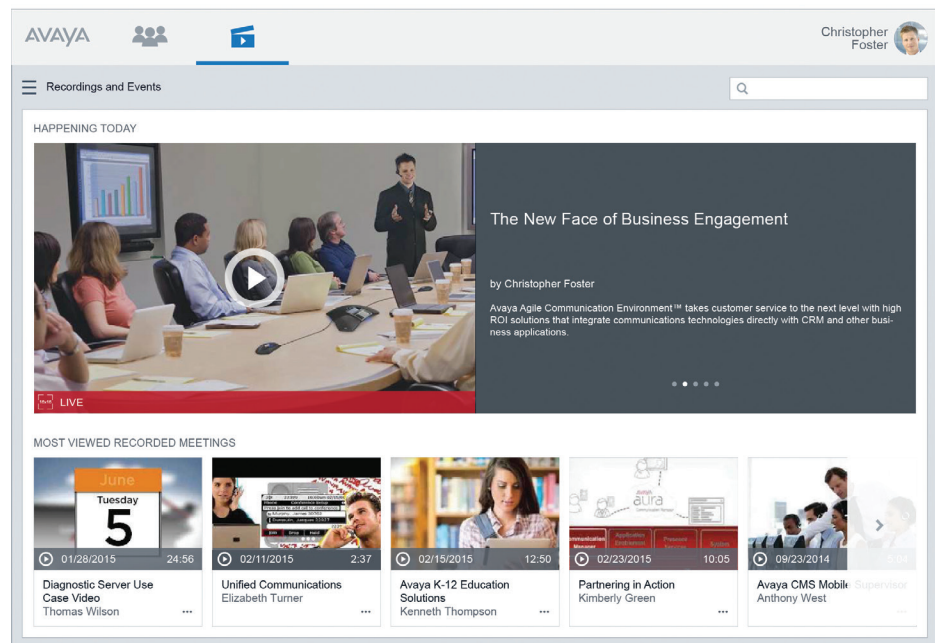
Universal Playback and Participation

Simple Access

Easy Video Asset Creation

Flexible Deployment

High Scalability



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.



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.

## 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.

## 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.

## 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

### 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)<sup>1</sup>
- Real-time transcoding, transrating
- Multi-bitrate (MBR)<sup>1</sup> support
- Supported resolutions and rates:  
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

### 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 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

## Avaya Scopia Streaming & Recording Models

- 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*

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



## 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.

## About Avaya

Avaya is a leading, global provider of customer and team engagement solutions and services available in a variety of flexible on-premise and cloud deployment options. Avaya's fabric-based networking solutions help simplify and accelerate the deployment of business critical applications and services. For more information, please visit [www.avaya.com](http://www.avaya.com).

## General (cont.)

### Deployment

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

## 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

## Learn More

To learn more and to obtain additional information such as white papers and case studies about Avaya Scopia Streaming & Recording, please contact your Avaya Account Manager or Authorized Partner or visit us at [www.avaya.com](http://www.avaya.com).

## 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)

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