



Visionable product features

Visionable is advanced collaboration made easy. It is different from other video conferencing platforms that rely on SIP, H.323 or WebRTC and similar peer-to-peer communication methods.

Key features

- One platform
 - Native resolution
 - Independent video streams
 - Multiple camera streams
 - Multi-camera capabilities
 - Unlimited participants
 - Independent audio controls
 - Moderator controls for all
 - Unlimited data feeds
 - Device-agnostic
 - Simple and secure
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Deployment

- Easy deployment and management
 - Multiple deployment options
 - Consistent user interface
 - Self-managed user accounts
 - Easy branding
 - Highly customizable user interface
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Technical features

- Optimized FPS mode
- Cross platform and mobile clients
- Meeting encryption is always on
- H.323/SIP/PSTN interoperability
- Multiple video resolutions
- Pan Tilt Zoom (PTZ) support
- APIs
- Scalability included
- Load balancing and fault tolerance
- Federation included
- Simple firewall traversal

Key features



One platform

The only end-to-end system designed especially for healthcare. With next-generation video conferencing and advanced imaging capabilities, Visionable is the best solution for clinical environments with highly-technical requirements.



Native resolution

Unique, patented quality imaging allows clinicians to transmit real-time data and share pathology reports like X-rays, CT scans and microscopic readings from any clinical or technical device, enabling better collaboration.



Multiple independent video streams

Allows participants to have highly customizable personal screen layouts.



Multiple camera streams from a single endpoint

Enables multiple vantages for larger spaces and inclusion of clinical and technical specialized device inputs.



Multi-camera capabilities

When a number of participants are in the same room, Visionable allows multiple cameras so the group can be viewed from multiple vantage points.



Unlimited participants

Visionable offers true flexibility, with the capability to host meetings of any size, from 1:1s to large-scale conferences.



Independent audio controls

Participants can adjust or mute audio received from other participants independently.

Key features continued



Moderator controls for all

Any and multiple participants can be designated as a moderator. Moderators can control meeting content selection, mute audio, video or chat, kick users out of the meeting, or ban them entirely.



Unlimited data feeds

Productive clinical meetings often require patient records, scans, and pathology imaging, and Visionable allows as many as are required.



Device-agnostic

Anyone can join and participate, from anywhere.



Simple and secure

NHS-approved and trusted for reliability, ease-of-use and data privacy.

Deployment

Easy deployment and management

Starting from a standard server that has a minimal Linux install, a UCS can be operational in minutes. The UCS is managed and configured via a web interface. With minimal training, existing IT staff can install and manage an IOCOM cluster.

Multiple deployment options

The UCS can be deployed as a cloud-based service, an on-premise private server, or as a hybrid managed service. Each deployment's endpoint can use an installable client, a mobile application, WebRTC or video added as a function into an application.

Consistent user interface

For WebRTC, desktop and mobile clients – the consistent interface allows easy transition from one client to another, greatly reduces the learning curve and training time.

Self-managed user accounts

An easy to use interface is provided to the end user to manage their user accounts. A single user can invite other users to build a contact list, and groups of users can be organized into communities.

Easy branding

The UCS includes functions that allow branding of the application by simply uploading custom logos and text settings. This allows a customer or service provider the ability to deliver a service as their own with a few simple modifications.

Customizable user interface

All Visionable UI elements are HTML and can easily be changed to have any look and feel. Features can be added or removed by changing licensing or user level options on the UCS. Flexibility allows easy modification of appearance.

Technical features

Optimized Frames Per Second (FPS) mode

During larger meetings such as town halls or lectures, there are often few active participants and a large number of observers. Voice controlled FPS optimization sets the video of the observers to a low frame rate so that the bandwidth is greatly reduced but a high quality image is maintained for the active speaker. Selective FPS mode can be used to manually specify the low and high frame rate streams.

Cross platform and mobile clients

Visionable has native clients for Windows, OS X/macOS, Linux, Android and iOS systems. Zero-install clients are provided via WebRTC with browsers such as Mozilla Firefox and Google Chrome. Single-click client is available for anonymous and guest users on Windows, OS X/macOS and iOS.

Meeting encryption is always on

Visionable, by default applies AES128 encryption to all meeting content to ensure secure data transmission of confidential information. AES256 encryption is available for users that need an extra level of security.

H.323/SIP/PSTN interoperability

A large number of legacy video systems still run call based, point to point protocols like H.323, SIP, or PSTN phone calls. Inbound and outbound calls with these endpoints can connect through an included gateway on the central UCS.

Multiple video resolutions

Visionable supports a range of video resolutions from QCIF to HD 1080. The default resolution is CIF, however the user can select any format supported by their device during a meeting or change the default as desired. Video stream quality is maintained by managing available CPU resources. End users can customize their experience by using the most appropriate quality level based on need and capabilities.

Technical features continued

Pan Tilt Zoom (PTZ) support included

Visionable supports local and remote control of PTZ cameras on USB and VISCA interfaces. This allows distributed remote control of conference room and remote monitoring cameras.

APIs

A set of APIs are available with the installed client, WebRTC and the UCS which provide third parties the ability to incorporate Visionable functions into their applications. Both the UCS and the Visionable application are easy to control and integrate into other desktop, mobile and web based products.

Scalability included

The UCS software package includes built-in clustering functions. No additional software is required. Simply install the same software package on multiple Linux servers to increase capacity. Visionable is a highly scalable solution.

Load balancing and fault tolerance included

The UCS software package includes services to balance the user load across multiple servers in a datacentre and shift the load in case of a server failure. No additional load balancing hardware or software required.

Federation included

The UCS software package includes federation functions that can be used to separate groups of users on geographic, corporate, or other boundaries. Advanced federation and global conferencing features are built in.

Simple firewall traversal

Visionable automatically selects the optimal firewall traversal method. All traffic can pass over a single UDP or TCP port, or ports can be used in combination if they are available for improved loss and latency performance. Standard RTSP traffic can also be used and inspected by firewalls. Multiple firewall traversal methods are built in to ease IT acceptance.