

Total Visual Communication System.

EyeVision Neo

アイ・ビジョン ネオ

General Guidance

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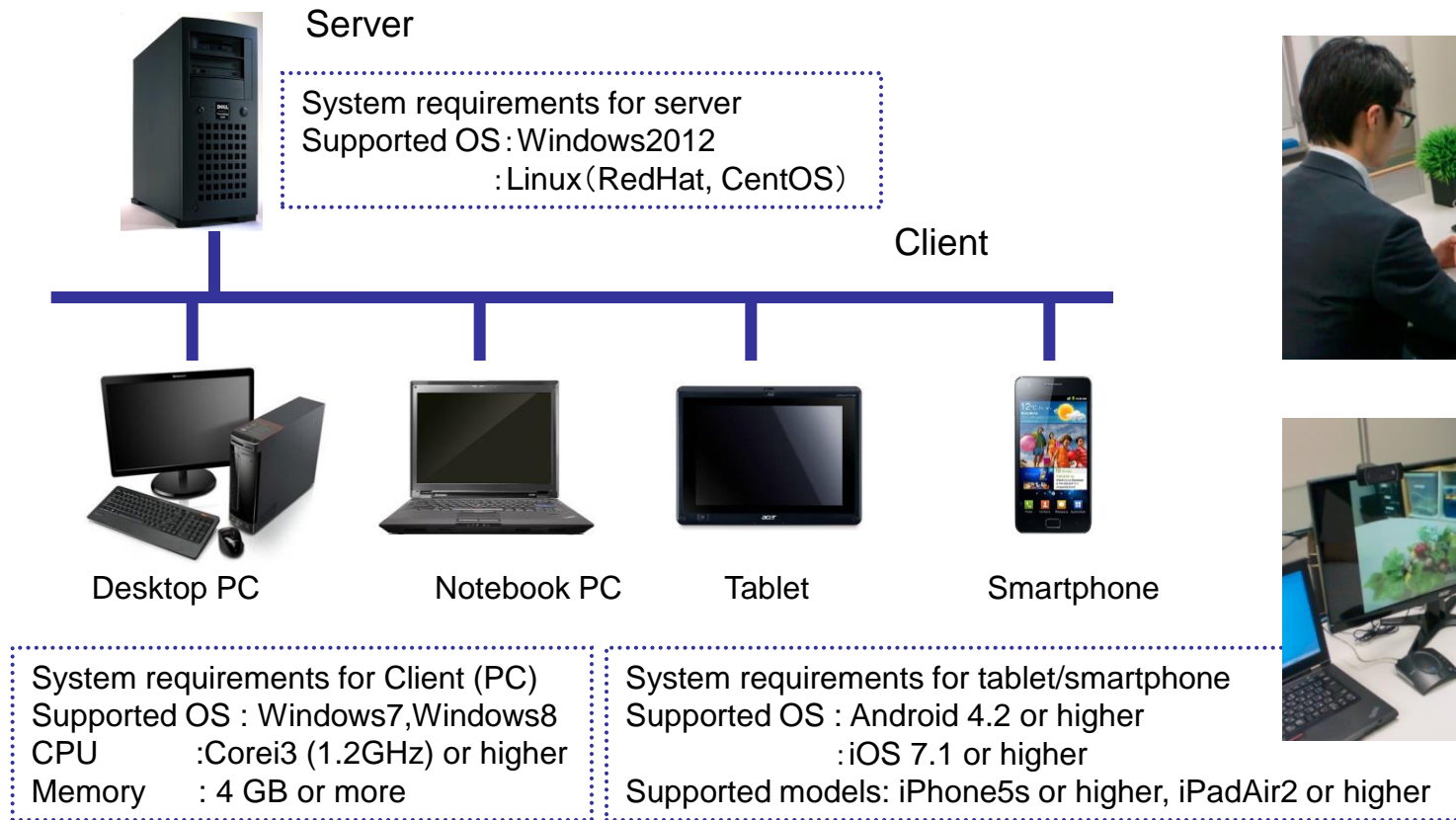
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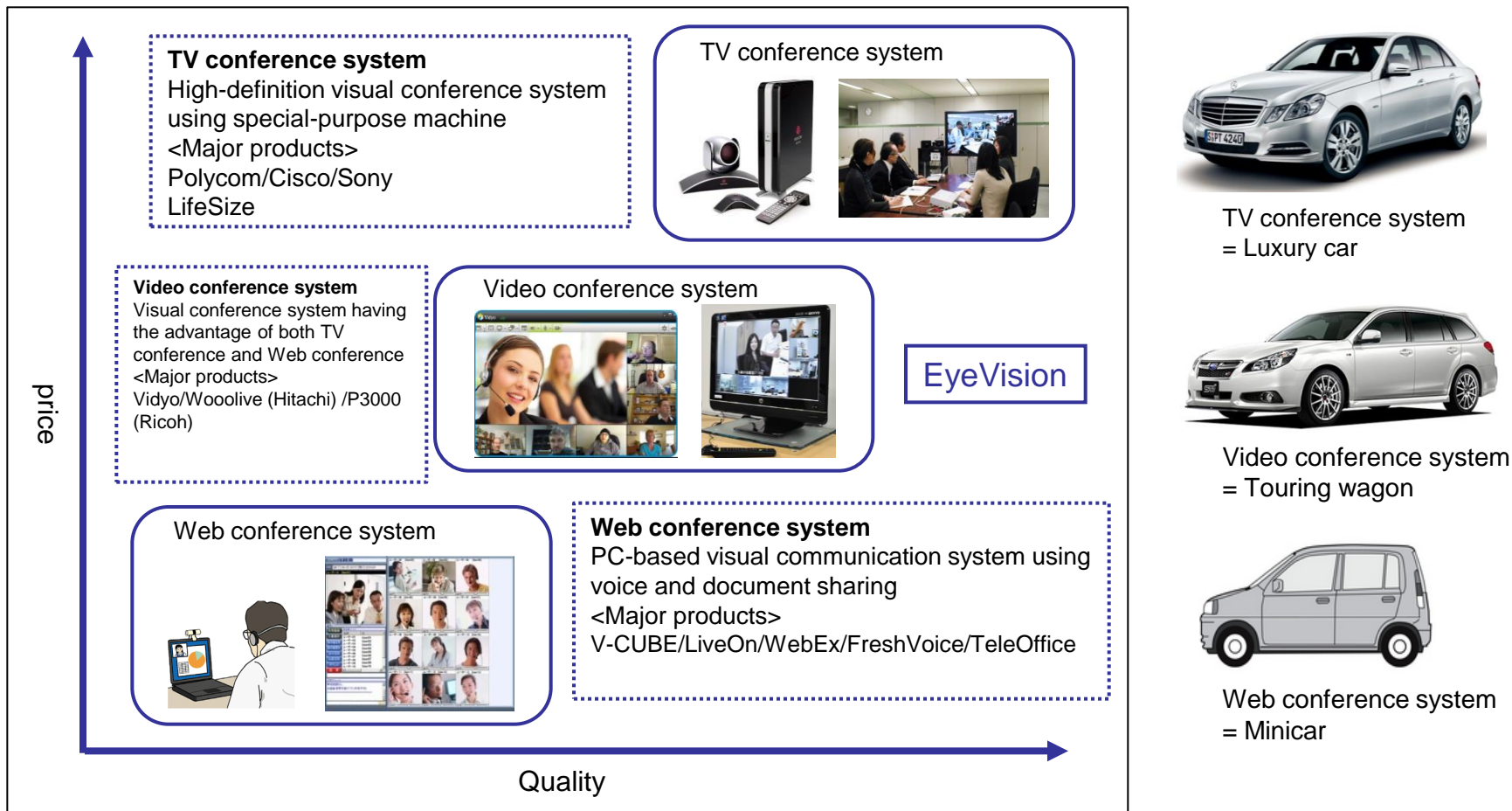
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◆ What is the integrated visual communication "EyeVision"?

"EyeVision" is a client-server video conference system using PCs, tablets, and smartphones.



◆ Positioning of "EyeVision" in TV conference systems



Select a model of a TV conference system after determining its grade, in the same way as selecting an automobile. EyeVision is a video conference system and differs from ordinary Web conference systems.

◆ Major function of EyeVision: TV conference (1) Basic function

High definition, high sound quality, and little delay prevent fatigue during a long conference.

* TV stations recognize EyeVision is "a high-definition least-delay video transmission system".

Data conference in multi-display environment



Simultaneous 6-screen display in full-screen mode



The video stream independent control function (patent pending) enables suppressed-band multipoint connection.

EyeVision is a product with the advantages of both the special-purpose machine type and the Web type.

Features of special-purpose TV conference systems

Advantages: (1) little delay prevents fatigue during a long conference, (2) the operation is simple.

Disadvantages: (1) high cost, (2) the installation location is limited.

Features of Web conference systems

Advantages: (1) low cost, (2) the installation location is not limited.

Disadvantages: (1) unsuitable for a bidirectional conference due to large delay, (2) the operation is complicated.

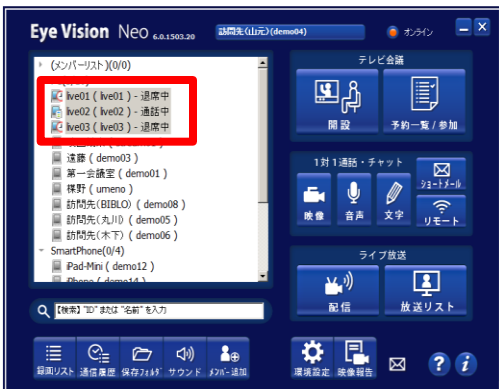
Features of EyeVision

Advantages: (1) little delay prevents fatigue during a long conference, (2) low cost, (3) the installation location is not limited.

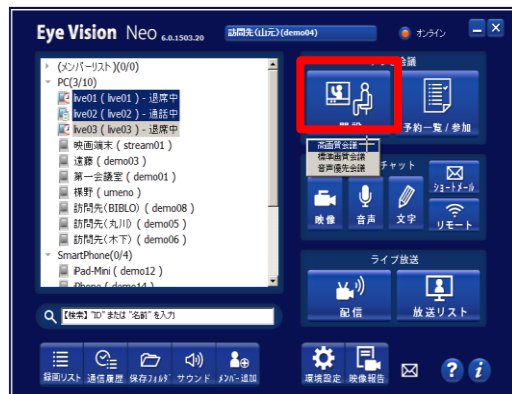
Disadvantages: The use of PC complicates the operation.

◆ Major function of EyeVision: TV conference (2) Procedure of holding conference room

(1) Select a partner from BuddyLIST (multiple partners selectable).



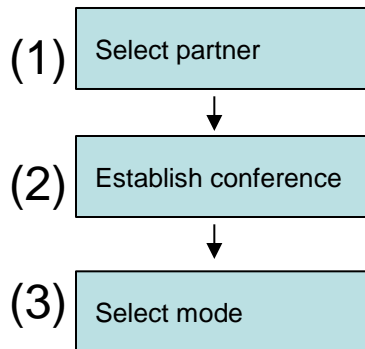
(2) Click conference establishment button.



(3) TV conference starts (standard screen mode)



The operating procedure with the special-purpose machine is as follows.
TV conference can start with three clicks.



Multiple partners are selectable .

High definition / standard image quality / bandwidth priority



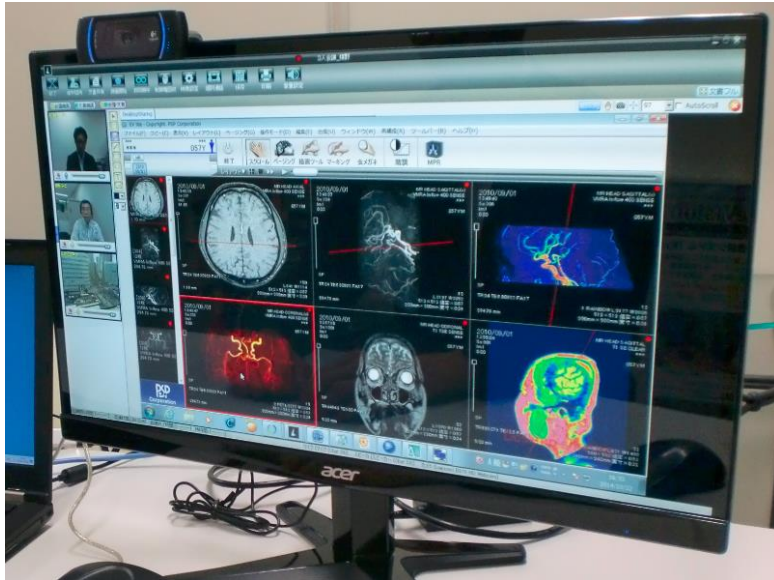
Full-screen mode



◆ Major function of EyeVision: Desktop sharing function (1) Basic function

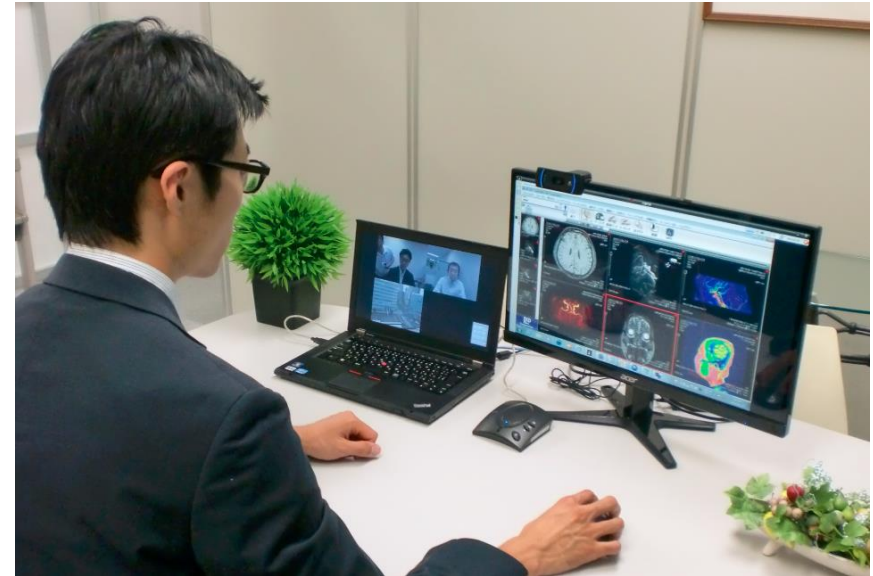
The desktop sharing function is a function to share the desktop screen itself of a PC in the video conference, and to manipulate the desktop of the partner.

Example of usage in single screen



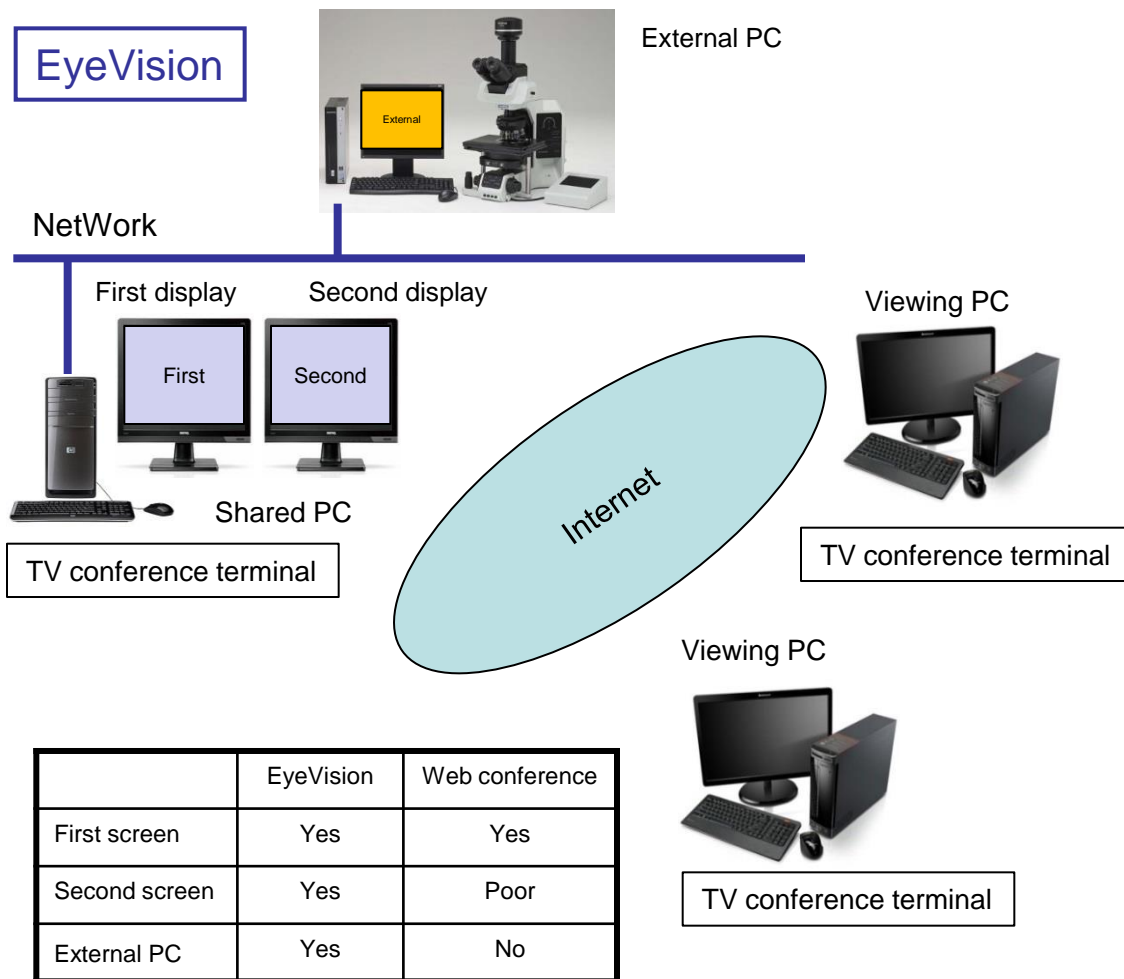
- The participant's video and the shared screen are displayed on one screen.
- [Document full] mode is recommended because of the display area.
- The display mode needs to be switched depending on the operation.

Example of usage in multiple screens



- The participant's video and the shared screen are displayed on two screens, respectively.
- This is one of the selling points of EyeVision.
- Usability improves.

◆ Major function of EyeVision: Desktop sharing function (2) Screen to share



Remote design using desktop sharing function



General function

The first screen or second screen of the PC participating in the TV conference is shared.

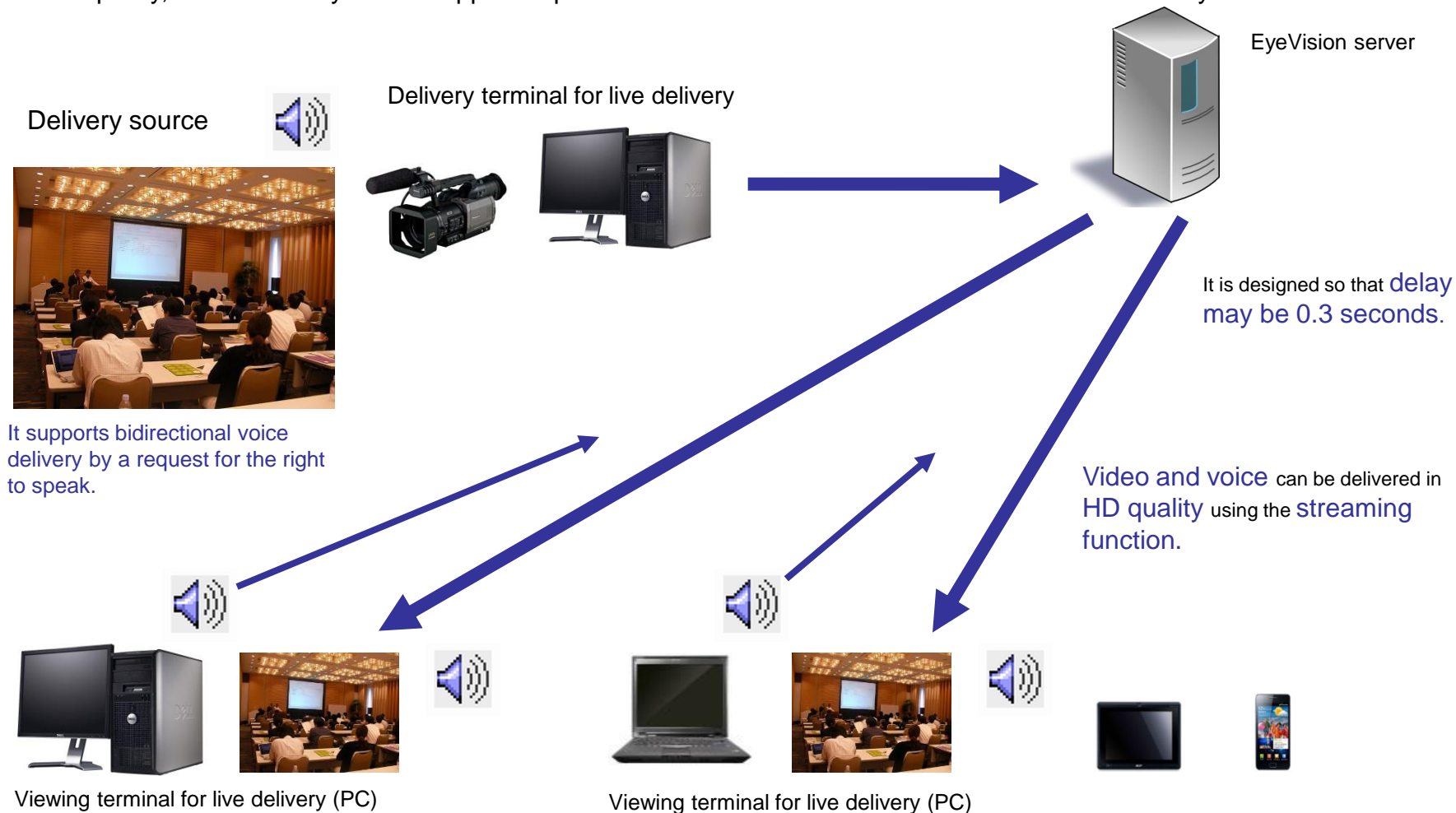
Expanded function

The screen of the external PC that can log in to the server is shared.
New function: Desktop sharing agent function

* The desktop sharing agent function can be used under contract of desktop sharing function B.

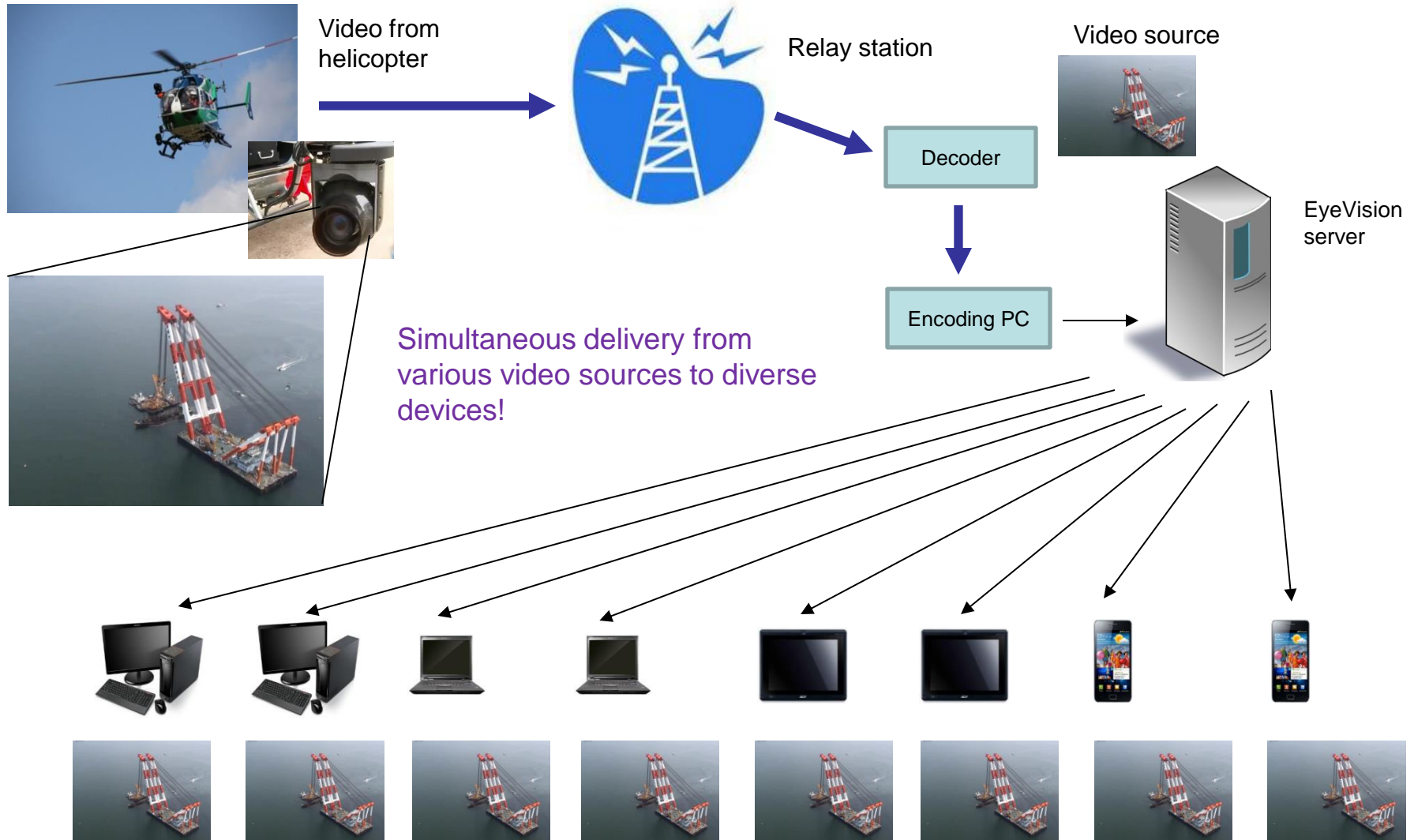
◆ Major function of EyeVision: Live delivery function (1) Basic function

EyeVision can make large-scale delivery while taking advantage of the characteristics of high definition, high sound quality, and little delay. It can support a question-and-answer session because there is little delay.



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◆ Major function of EyeVision: Live delivery function (2) Application to disaster prevention



◆ Major function of EyeVision: Support of mobile terminals (Android, iOS)

Usability-oriented simple screen configuration

Smartphones inherit EyeVision's features of high definition, high sound quality, and little delay!

Participating in TV conference



[TV conference] Conferencing with shared real-time video is possible by inviting a local smartphone into a multiple-site TV conference.

One-to-one video call



[Individual call]

One-to-one voice call, video call, and text chatting with a specific partner are possible. Transmission and reception of image, video, and other data is possible using a short-mail function.

Hands-free face-to-face call is implemented in conjunction with the echo cancellation function included in smartphones.

* The echo cancellation function, which uses a hardware function, may have a compatibility problem.

Live delivery and viewing



[Delivery]

Live delivery of video and voice is possible. High-definition video and voice can be delivered to multiple terminals simultaneously.

[Viewing]

Viewing of live video during delivery is possible. Regarding voice, bidirectional call is possible.

◆ Major function of EyeVision: Support of mobile terminals (Android, iOS): Restrictions

		PC version	Android version	iOS version
Document sharing		√	X	X
Hardware encoding/decoding			√	X
One-to-one call	Voice call	√	√	√
	Video call	√	√	√
	Automatic answering	√	√	X
Live delivery	Delivery (encoding)	√	√	√
	Viewing (decoding)	√	√	√
TV conference	Participation	√	√	√
	Split display	Maximum 25-part split screen	Four-part split screen	Two-part split screen
	Automatic participation	√	√	X
History	Call history	√	√	X
	Message history	√	√	X

* The Android version, which is excellent in functions, is model-dependent.

* The interface differs between the Android version and iOS version, but it is scheduled to be integrated in the future.

◆ List of provided functions

		TV conference	One-to-one video call	Live delivery
Video codec		H.264		
Standard image settings	Image size	QVGA (320 × 240) VGA (640 × 480)	QVGA (320 × 240), VGA (640 × 480), HD (1,280 × 720)	
	Frame rate	2,5,10,15,30	2,3,5,6,10,15,30	2,5,10,15,30
	Image band	32,64,128,256		
OP high-definition mode	Image band	512, Auto	512,1024, Auto (Note 1)	
Voice codec		Low sound quality (Speex_8kHz), medium sound quality (Speex_16kHz), high sound quality (Speex_32kHz)		
Maximum number of simultaneous connection IDs (Note 2)		16 IDs (organizer + participant + audience)	X	50 IDs
Maximum number of simultaneous viewing IDs (Note 2)				
File sharing / white board / Web sharing		√		
Desktop sharing function (bandwidth shaping mode)		√		
Desktop sharing function (bandwidth free mode) Multi-display function		OP		
Desktop sharing agent function		OP	X	
Supported OS		Windows, Android (Note 3), iOS (Note 3)		

OP: Provided as an option

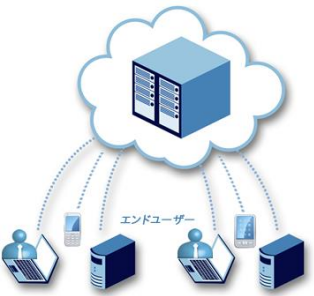



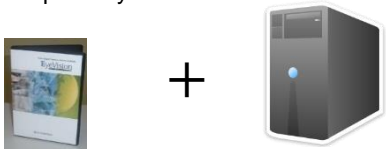
* One-to-one video call is provided together with the live delivery function.

Note 1: When ASP type and HD (1,280 × 720) is selected, Auto mode cannot be used.

Note 2: Maximum number only for ASP type. The operation exceeding the maximum number will be supported as SaaS type or server rental type.

Note 3: The document sharing function is not supported.

◆ Sales scheme of EyeVision

		Method for paying the fee	
		Monthly fee type	Purchase type
Installation pattern	Cloud type 	ASP type (1) Software usage fee (2) Maintenance fee •Total amount of (1)(2) is the ASP fee. SaaS type (1) ASP usage fee (2) Cloud server usage fee (3) Cloud server maintenance fee (4) Installation cost * The fee of (2), (3), and (4) is needed separately. * For details, please inquire separately.	On-premise type + cloud server (1) Software license purchase cost (2) Annual maintenance fee (3) Cloud server usage fee (4) Cloud server maintenance fee (5) Installation cost * For details, please inquire separately. 
	On-premise type 	Rental type (1) ASP usage fee (2) Rental fee for physical server (3) Maintenance fee for physical server (4) Installation cost * The fee of (2), (3), and (4) is needed separately. * For details, please inquire separately. 	On-premise type + installation type server (1) Software license purchase cost (2) Annual maintenance fee (3) PC for server (4) Installation cost * For details, please inquire separately. 

◆ Operating environment: Client (SD, HD) and Server (package version)

Client (SD image quality): Operating environment for five-site connection

	Required	Recommended
OS	Windows7	Windows7 Windows8 / Windows8.1
CPU	Corei3-330UM 1.2 GHz or higher	Corei5-2510E 2.5 GHz or higher
Memory	4GB or more	4GB or more[7] 8GB or more[8]
Monitor resolution	XGA (1,024 × 768) or higher	
Sound	Sound card with input-output function	
Used port [Normal]	TCP [80] [5060] [5432](* 1) [9001 to 9006] UDP [9000 to 11000]	
HTTP tunneling	TCP[443]	

(*1) Used in UserManager (server installation type).

• The required operating environment is an environment required for having a conference only in video and voice (video: 15 frames) among five sites. However, this assumes that excessive load is not applied to the PC.

* Connect a USB camera and USB audio device to a USB port of the PC directly.

* The operation in wireless LAN and mobile environments is not covered by the warranty.

* The voice may be interrupted or delayed depending on the throughput of the PC and compatibility with peripherals, and when the bandwidth is constricted.

* When the display is unstable, reinstall the graphic driver.

* When the operation is unstable, recover the PC.

* Refer to the supplementary materials for other restrictions.

* The driver cannot be used in the desktop sharing function in Windows8/8.1.

Required operating environment when HD (1,280 x 720) is used (one-to-one mode)

	Required	Recommended
CPU	Corei5-2510E 2.5 GHz or higher	Corei7-3615QE 2.5 GHz or higher
Memory	4 GB or more	4 GB or more [7] 8 GB or more [8]
Device	Camera with HD720p output is required.	

* The required operating environment of HD is an essential environment in 1024k bps 15F.
(Unlimited HD bandwidth settings cannot be made in ASP.)

Server (package version)

OS	WindowsServer 2008 / 2008R2 / 2012 / 2012R2
CPU	Celeron G530 2.4 GHz or higher (25 sites or fewer) Xeon E3-122v23 10GHz (over 25 sites)
Memory	2 GB or more
HDD	30 GB or more
Software	Microsoft Visual C++ 2008 Service Pack 1 .NetFramework 4.5
Internet	FLET'S Hikari (25 Mbps or higher)

* The required circuit bandwidth differs depending on the operation. Please inquire for details.

* The capacity of HDD varies with the use frequency of file transfer function, etc.

* For email transfer, an SMTP server needs to be prepared separately

◆ Fee system: ASP type

■ ASP type fee system ■

1. Basic ASP fee (unit price per ID)

TV conference function (from 5 IDs) [Max number of simultaneous connections = 16 IDs (organizer + participant + audience)] [Max speed in video settings = 256 Kbps]	@5,000 yen per ID
Live delivery function (from 10 IDs) [Max number of simultaneous delivery = 50 IDs, Max speed in video settings = 256 Kbps]	@3,000 yen per ID
TV conference function + live delivery function (from 5 IDs)	@6,000 yen per ID

2. Option fee (fee per contractor code)

High-definition mode [Extension of video settings is supported.] [TV conference: Auto, 512K bps, live delivery: Auto, 512K bps, 1024K bps]	10,000 yen
Desktop sharing function A [High-speed desktop sharing + multi-screen]	15,000 yen
Desktop sharing function B [High-speed desktop sharing + multi-screen + agent function]	25,000 yen

Supported client OS
Windows, Android, iOS

Supplementary matters

- (1) A contract of one ID enables registration of one ID and login of one ID.
- (2) SaaS type supports the operation that exceeds the number of simultaneous connections (16 IDs).
- (3) Server rental type supports the operation in VPN.
- (4) Please inquire the on-premise type fee system separately.

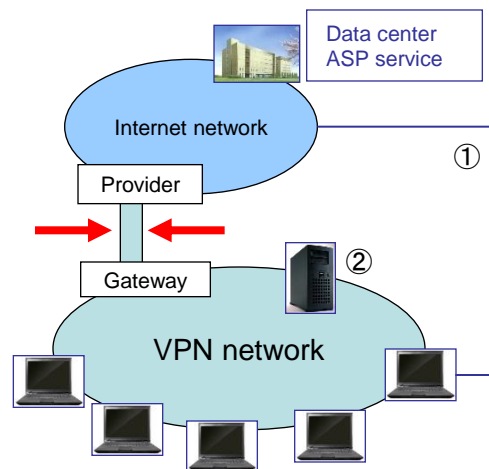
■ Application rules ■

- (1) No initial registration cost is required.
- (2) Working expenses such as application installation will be charged separately as needed.
- (3) An annual contract will give a discount of one-month fee per one year.
- (4) The condition of the annual contract is lump-sum payment. Midterm cancellation will not lead to a refund.
- (5) A contract for the number of IDs fewer than the prescribed number will be accepted as an annual contract without discount.
- (6) The consumption tax will be charged separately.
- (7) The minimum usage period is three months.
- (8) Other usage conditions will conform to the contract.

■ Restrictions ■

Precautions for configuring the network

- (1) Each site must have an exit to the Internet.
- (2) If VPN is configured and there is only one exit to the Internet, the operation will become unstable.



* The quality is not stabilized because the band is squeezed!