

C1

THIS ROOM WILL TAKE YOU PLACES



THE CYVIZ C1: A COMPLETE MULTIPURPOSE COLLABORATION FACILITY

A COMPLETE ROOM COMBINING AMAZING IMAGE
QUALITY WITH ADVANCED COLLABORATION OPTIONS



CONTENTS

THE ULTIMATE COLLABORATION FACILITY	6
ERGONOMICS & ENVIRONMENT	8
USER FRIENDLINESS	10
DISPLAY WALL	12
VIDEO PROCESSOR	14
VIDEO CONFERENCING	18
DATA SHARING	20
HIGH PERFORMANCE COMPUTING	22
THE COLLABORATION SUITE	24
SECURE IMPLEMENTATION	26
RETURN ON INVESTMENT	27
TECHNICAL SPECIFICATIONS	28
CONTACT INFORMATION	32

THE ULTIMATE COLLABORATION EXPERIENCE

The Cyviz C1 combines data-sharing with telepresence in a fashion that is quite unique. Adding a stunning display surface with advanced source handling and ergonomics makes this a decision-making tool that is extraordinary.



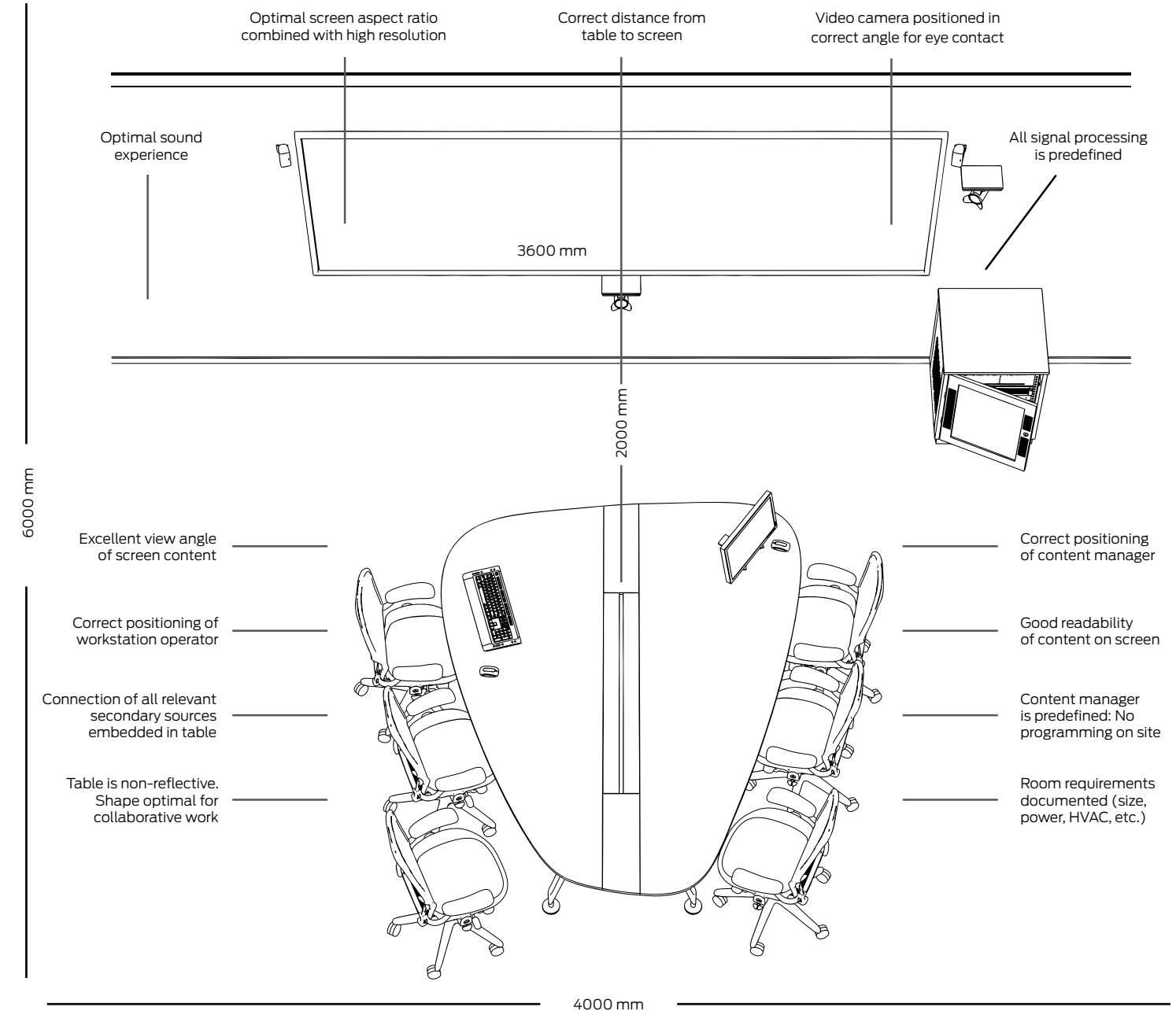
CYVIZ C1 – VALUE PROPOSITION:

The Cyviz C1 is the only standardized collaboration facility in the market today. It combines an amazing image quality and unique aspect ratio with multiple source handling, telepresence capabilities and data sharing. The ease of use enables your organization to fully take advantage of the possibilities, and several clients have rolled it out globally for everything from basic presentations to advanced collaboration across regions.

- Unrivalled user interface makes this your most popular meeting room.
- Combine data sharing with the telepresence experience.
- Bring up any content in native resolution on the 4.2 mpx display.
- Intelligent design interweaving with ergonomics and technology.
- Custom made for collaborative work and decision making.
- Delivered in 3 weeks. Installed in 3 days.

A TAILOR MADE WORK ENVIRONMENT

Significant resources have been spent standardizing the Cyviz C1. After frequent requests from clients, we even built a dedicated furniture suite to go with it. Why? Because to really improve your company's day-to-day business, the technology you use must fit the people who use it like a tailor made suit.



CYVIZ C1 – PRODUCT FEATURES: ENVIRONMENT AND ERGONOMICS

With the Cyviz C1 technology, work environment and ergonomics come together in one seamless solution. The interaction between the professionals and the technology has been thoroughly studied to create a work environment that is both pleasant and efficient. Everything from font-readability, light reflections, view angles for all participants, video camera placement, sound quality and work dynamics has been thoroughly tested.

- Space efficient solution
- Optimal view angles
- Easy display management
- Environment enhance work-dynamics
- Excellent readability
- Low noise and heat
- Executive look & feel

USER FRIENDLY ON A WHOLE NEW LEVEL

The Cyviz C1 is created with a focus on task – not technology. This is ease-of-use redefined. The Cyviz display controller is specifically made for the C1 and replaces all other controls for sources connected to the display.



CYVIZ C1 – PRODUCT FEATURES: CYVIZ DISPLAY CONTROLLER

The user friendliness of the Cyviz C1 is second to none in the industry, and users can now easily perform tasks previously perceived as rather complex. The Cyviz display controller is based on intuitive drag 'n drop principles and presets, and needs no additional programming.

In addition to managing how the content appears on the screen, you will also be able to manage the actual applications. E.g. if the camera is activated its panning and zoom functions will appear on the Cyviz controller bar.

Examples of common tasks:

Want to start up the facility?

Click "ON". The wall starts up with a workstation in full 4.2 mpx resolution.

Want to share a presentation from your laptop?

Plug the cable into the table. Click laptop in your toolbar.

Want to move or reshape your laptop PiP?

Drag and drop with your mouse, or double click for full screen.

Want a full screen telepresence setup?

Click preset TP5. The screen is automatically set up and VC toolbar appears.

Want to share your laptop presentation with colleagues in London?

Select "share". Your counterpart receives the request for sharing on his screen – clicks "accept" – and data sharing is operational.

A WALL OF POSSIBILITIES

4.2 megapixels makes it possible to bring up any relevant source in native resolution and display it as a crisp, clear image with high brightness. Standardization and high-end mechanical engineering ensures stability over time.



CYVIZ C1 – PRODUCT FEATURES: DISPLAY WALL

High Performance

The Cyviz C1 boasts a resolution of 3600 x 1200 delivered in a bright, crisp and clear picture of the highest quality. The aspect ratio is ideal for collaborative work, and designed to facilitate multiple sources. The governing principle at Cyviz is to strive for simplicity, promoting lossless image transmission from source to the eye, thus eliminating the need for digital manipulation of the signals (warping).

Optical precision

A precise, durable and stable alignment is the foundation for operational excellence. Cyviz has delivered over 600 installations with this rigid and thoroughly tested aluminum rig. We have also engineered a special projector alignment unit (PAU) to the highest mechanical standards, providing 6 degrees of freedom in adjusting the projector. Together, these components deliver excellent stability with little need for maintenance.

Image uniformity

Cyziv has developed its own, multi-sided digital blending, called xêd. These blending cards are embedded in the projectors and are hardware programmable, meaning the strengths of the platforms will be fully utilized. The blending algorithm calculates each pixel from each projector in the overlap area. It provides optimal blending curves across all channels leveraging the intensity transfer characteristics of each projector as well as each projectors impact on the totality. Possible differences in color representation stem from tolerances of color filters inside the projector. Instead of only compensating digitally for these differences - which would lead to a light loss and reduction in color dynamics in the projected image - Cyviz attacks the source of the problem and adds a stricter tolerance to the color filters used.

Projector technology

The xêd.F32 projector is the world's most powerful single chip DLP™ projector. It's manufactured by Projectiondesign and customized for Cyviz displays. It features WUXGA resolution, brightness up to 5700 ANSI lumens and 24/7 capabilities. With the new driver in place, flickering associated with single chip DLP is eliminated, making it ideal for large blended displays. Contrast ratio is 7500:1 and noise is 30 dB(A).

BEHIND EVERY SUCCESS THERE'S A LITTLE BOX

The Cyviz video processor is the brains behind the action.
The Cyviz rack is predefined and also contains a TANDBERG Codec C90,
amplifier and control PC. All standard with the Cyviz C1 solution.



CYVIZ C1 – PRODUCT FEATURES: VIDEO PROCESSOR

The Cyviz video processor provides a fully digital platform for the handling of sources to be displayed on the screen and handles inputs for both dual- and single link DVI as well as all input/output video formats available in the market. It delivers your primary sources in full resolution over the entire screen, and allows for 5 simultaneous sources.

In the Cyviz C1, the video processor has been programmed to work with the TANDBERG Codec C90 to deliver the ultimate collaboration processor. The rack illustrated above is a standard delivery with the Cyviz C1, and contains all components needed in a predefined configuration.

- Standardized rack - all components configured.
- Primary source in 4.2 mpx resolution.
- Secondary sources in HD resolution.
- 4 simultaneous PiPs.
- Data sharing capabilities.
- Telepresence capabilities.

SUCCESSFUL
TECHNOLOGY
IS ALWAYS
TRANSPARENT
AND EASY
TO USE...



VIDEO CONFERENCING

Cyviz has engineered the C1 to bring out the magic of the TANDBERG Codec C90, combining workflows with video. Applied in video-only mode, the Cyviz C1 delivers a strong telepresence experience.



CYVIZ C1 – PRODUCT FEATURES: VIDEO CONFERENCING

Video conferencing is governed from the Cyviz C1 controller, and the Cyviz C1 is the ultimate product for combining video conferencing with the simultaneous sharing of data applications. The Cyviz C1 can also be used for video-only, and in this mode, users will obtain much of the experience one gets from a full blown telepresence system.

The TANDBERG Codec C90 is fully integrated into the Cyviz C1 and ensures full utilization of all possibilities. The C90 is the most powerful, flexible telepresence and collaboration engine available, delivering crisp, clear 1080p HD video end-to-end and ultra wideband audio.

Furthermore, the IP platform supports a complete integration with Unified Communication.

C90 Performance Features

- Optimal Definition up to 1080p
- H.323/SIP up to 6 Mbps point-to-point; up to 10 Mbps total MultiSite bandwidth
- Connect up to 12 HD sources and 8 microphones directly into the interface
- Full Duplex Audio with High Quality Stereo Sound
- Full APIs; takes advantage of the TANDBERG Total Solution — Management, Transcoded HD MultiSite™, Recording and Streaming, Business-to-business communication through the TANDBERG total solutions

C90 Application Features

- 1080p30 HD Individual Transcoding embedded Multisite
- Collaborate on virtually anything with 5 simultaneous video inputs
- HD Collaboration with 1080p30 or UXGA (UXGA ready and available with future software)
- Limitless integration possibilities
- Ideal for telepresence and collaboration studios, boardrooms, auditoriums, education and telemedicine applications

DATA SHARING

Most decisions are made based on analysis conducted with generic or specialized applications. Being able to see your counterpart does wonders for the communication, but if you are not looking at the same data, it's only half a meeting.



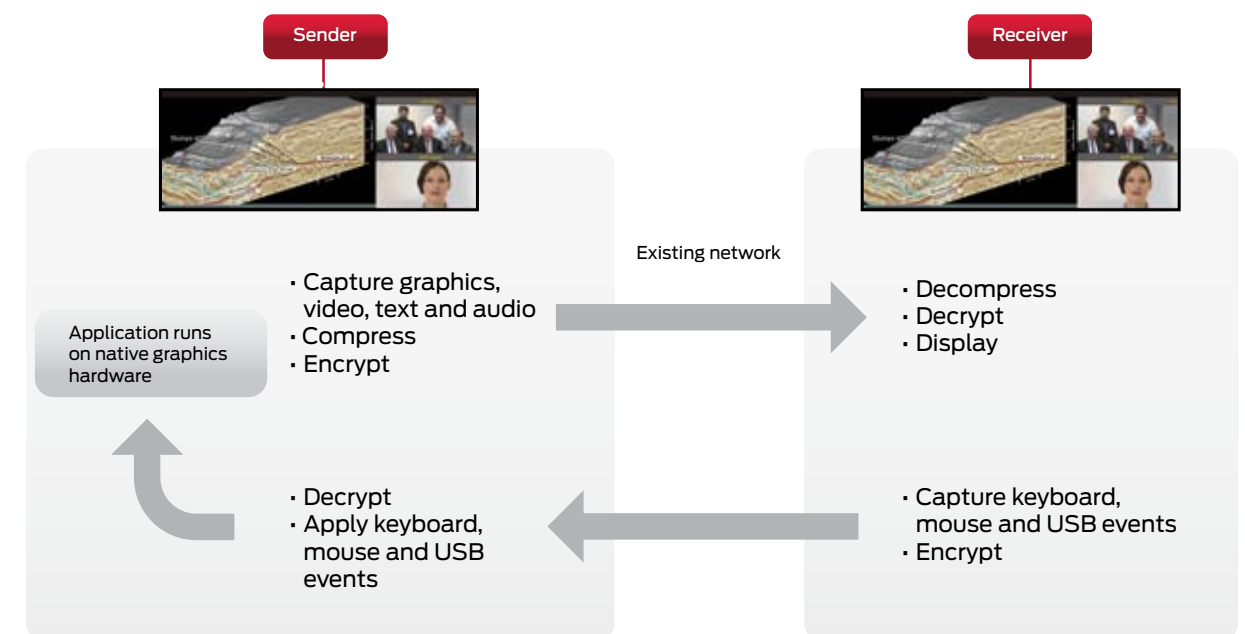
CYVIZ C1 – PRODUCT FEATURES: DATA SHARING

The Cyviz processor in combination with the TANDBERG Codec C90 provides efficient data sharing in full HD resolution, adding a lot of flexibility for the user. While conducting a video conference, both parties can bring up relevant information on the fly – either as separate Picture in Picture (PiP) or embedded in the conference window (PiP in PiP). If you need to consult additional resources on the topic in question, you can also connect additional sites.

- All functionality is managed by the Cyviz display controller.
- Connects multiple locations simultaneously with data sharing.
- Just one click to share your data source.
- Scaling of PiPs locally and on the receiving end.
- Data applications can be embedded in VC (PiP in PiP).
- Bandwidth sensitive compression will automatically optimize image quality.
- Share a high resolution segment of the screen using the slide bar.

HIGH PERFORMANCE COMPUTING

When there is a need to remotely work on heavy data sets such as Geoscience models or aeronautical renderings, Hewlett Packard and its Remote Graphics Software provide one of the best alternatives in the industry.



CYVIZ C1 – OPTIONAL FEATURE: WORKSTATION & REMOTE DESKTOP

Workstation and Remote Graphics Software (RGS) from Hewlett Packard is an optional feature for the Cyviz C1. Cyviz has an open architecture, and if your company has standardized on other source technologies, the Cyviz C1 is compatible.

However, Cyviz is often asked by clients to give advice on which technology to use as the primary source. These specifications do of course depend on which applications are to be driven, but our general recommendation is HP with Nvidia graphic boards. Cyviz has also researched all major protocols for remote graphics, and found RGS from HP to be perhaps the best current solution.

RGS distinguishes itself in the efficient packaging of data, making the transfer of information acceptable on even poor infrastructure. RGS adds to the data sharing already provided in the Cyviz C1 in that it allows users to connect to- and run CPU intensive applications from a server. It's also possible for the "receiver" to take control of the application and make changes dynamically.

The RGS is a very useful feature for professionals collaborating on real time applications, e.g. seismic interpretation or automotive designs.

THE COLLABORATION SUITE

Appearance, ergonomics, technology and performance merge together in the unique design of the Collaboration Suite, an optional feature with the Cyviz C1. The organic shape of the Collaboration Suite encourages round-table discussions while keeping the focus on the main display. High quality seating ensures your comfort during long work-sessions.



CYVIZ C1 – OPTIONAL FEATURE: THE COLLABORATION SUITE

The Collaboration Suite is designed exclusively for Cyviz by Kielland AS and the well-known Norwegian designer Olav Eldøy, one of the leading figures within his field in Scandinavia.

His creation brings out the best in functional and stylish furniture. Mr. Eldøy found his inspiration for this particular project in the formation of rocks. Its rounded shape also encourages collaboration in that it has no obvious "head seat". It's made of steel and Corian, which is composed of acrylic polymer and alumina trihydrate. Corian holds the exclusive qualities of marble, it can be shaped in any form and is ever-lasting.

Connections for secondary sources are elegantly embedded in the center of the table. Chairs are designed for comfortable work during long hours. The collaboration suite boasts responsive performance and ergonomic comfort for active workers, moves fluidly and adjusts easily as the user shifts from forward sitting to reclined positions.

SECURE IMPLEMENTATION

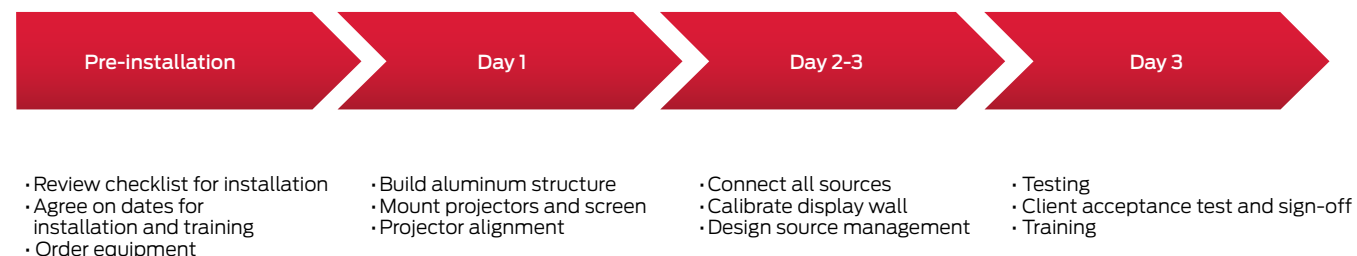
The value of standardization manifests itself when implementing the Cyviz C1 in your organization. Much of the planning associated with implementing these technologies can be eliminated. From screen size to wire diagrams and cable lengths; all components are predefined. The Cyviz C1 is delivered with the following documentation:

- Facility requirement list and acceptance test
- Installation Guide
- User Manual
- Maintenance Guide
- Service Level Agreement (optional)

The thorough approach ensures an unprecedented level of stability. Due to the standardization, this product can be serviced by your internal IT services or your standard AV/IT partner.

The Cyviz C1 is even enabled for remote monitoring over IP, making it easy for Cyviz or a service partner to give a quick diagnostic, and potentially recommend preventive maintenance.

Installation outline: 3 working days from start to finish *



*Depending on geographic location, additional days may be added to allow for travelling. Estimated time for installation assumes that the facilities are duly prepared according to checklist provided by Cyviz. This includes preparation of power, ventilation, carpentry, etc.

RETURN ON INVESTMENT

Due to standardization, Cyviz is able to deliver an advanced facility for collaborative work at a price level not seen before for equipment of this quality. However, it's still a significant investment and most customers need to see real impact on business processes for this to make sense.

ROI DRIVERS

Rate of Facility Utilization.

This has been a key success criteria in the development of the Cyviz C1. One intuitive user interface for all functions makes it very easy to deploy, and utilization is also driven by its multi-purpose capabilities: The C1 is used for everything from advanced collaboration with data-sharing, telepresence and high resolution data analysis to more basic meeting functions.

Improved Work-Flows.

Combining data-sharing with telepresence in a unique fashion brings the experience very close to having all the knowledge gathered in the same room. With easy access to both data and expertise, your company can speed up decision making and reduce the need for travel more than what is enabled by just introducing video conferencing.

Project Risk.

The risk and cost related to faulty specifications of required functionality, choosing the wrong technology, postponed installation date or unsatisfactory system up-time is often underestimated. The same can probably also be said for the amount of internal time spent managing the process. Thorough client research is behind the development of the Cyviz C1, and the company has delivered more than 200 solutions in this category. The result is: "Delivered in 3 weeks, installed in 3 days."

Total Cost of Ownership.

The Cyviz C1 can be delivered at a monthly cost of USD 4,200* including annual consumables (lamps). The solution performs with a very high degree of stability over time, but a service level agreement is recommended. The cost will depend on location, but due to standardization this is a very easy system to manage. Two annual preventive service visits, each of one day, is sufficient to ensure high quality over time.

Value Proposition – Cyviz C1

- Investment of USD 4,200 per month.
- Reduced travel cost (investment equals one international flight).
- Multi-purpose capabilities ensures high utilization.
- Improved decision making through easy access to expertise and data.
- Reduced CO2 emissions.
- Improved organizational efficiency and personal life style.
- Project risk practically eliminated.

* Example of leasing price for Cyviz C1 delivered in Norway.

TECHNICAL SPECIFICATIONS

SCREEN

Type: Cyviz C1 Custom - Front projection seamless
Size: 3600 * 1200 mm
Resolution: 3600 * 1200 pixels

FRAME

Type: Black VeLux
Size: 3775 mm * 1314 mm

PROJECTORS

Type: 2 * ProjectionDesign F32 WUXGA
Brightness: up to 5700 ANSI lumens
Contrast: up to 7500:1
Mounting: Cyviz aluminium rig and projector alignment units
Power requirements: Up to 1050 Watt pwe projector
Weight: Up to 15 kg per projector
BTU: < 2900

DISPLAY PROCESSOR

Type: Cyviz xr301
Main features: Up to 4 picture in picture (PiP)
Dynamic positioning of PiPs with the Cyviz Display Controller
Displays workstation from workstation in full resolution
Power requirements: 100 Watts
BTU: 341

VIDEO CONFERENCE AND SCALING

Type: TANDBERG Codec C90
Main Features: 1080p HD videoconference with integrated sharing
Full Duplex Audio with High Quality Stereo Sound
Simultaneoulsy connect 3 conferences
Video inputs: Primary video conference camera
Secondary video conference camera
2 computer sources with VGA or HDMI
Video input compatability: VGA: 800*600, 1024*768, 1280*1024
HDMI: 640*480 - 1920*1080

AUDIO

Amplifier: Rack mounted Technical Pro Slimpro stereo amplifier
Loudspeakers: Two wall mounted Bose Freespace DS 16S

CYVIZ DISPLAY CONTROLLER

Type: Rack mounted PC wih Cyviz Display Controller Software

RACK

Type: Triton RMA-15U
Color: Black
Dimensions: Height: 77 cm
Width: 60 cm
Depth: 60 cm
Net weight: 40 kg

WORKSTATION (optional)

Type: HP xw6600
Operating system: Windows XP 64 bit or Windows Vista 64 bit
Processor and memory: Quad Core Intel Xeon with 8 GB memory
Video card: NVIDIA Quadro FX4800 1.5GB
Disk: 1 TB

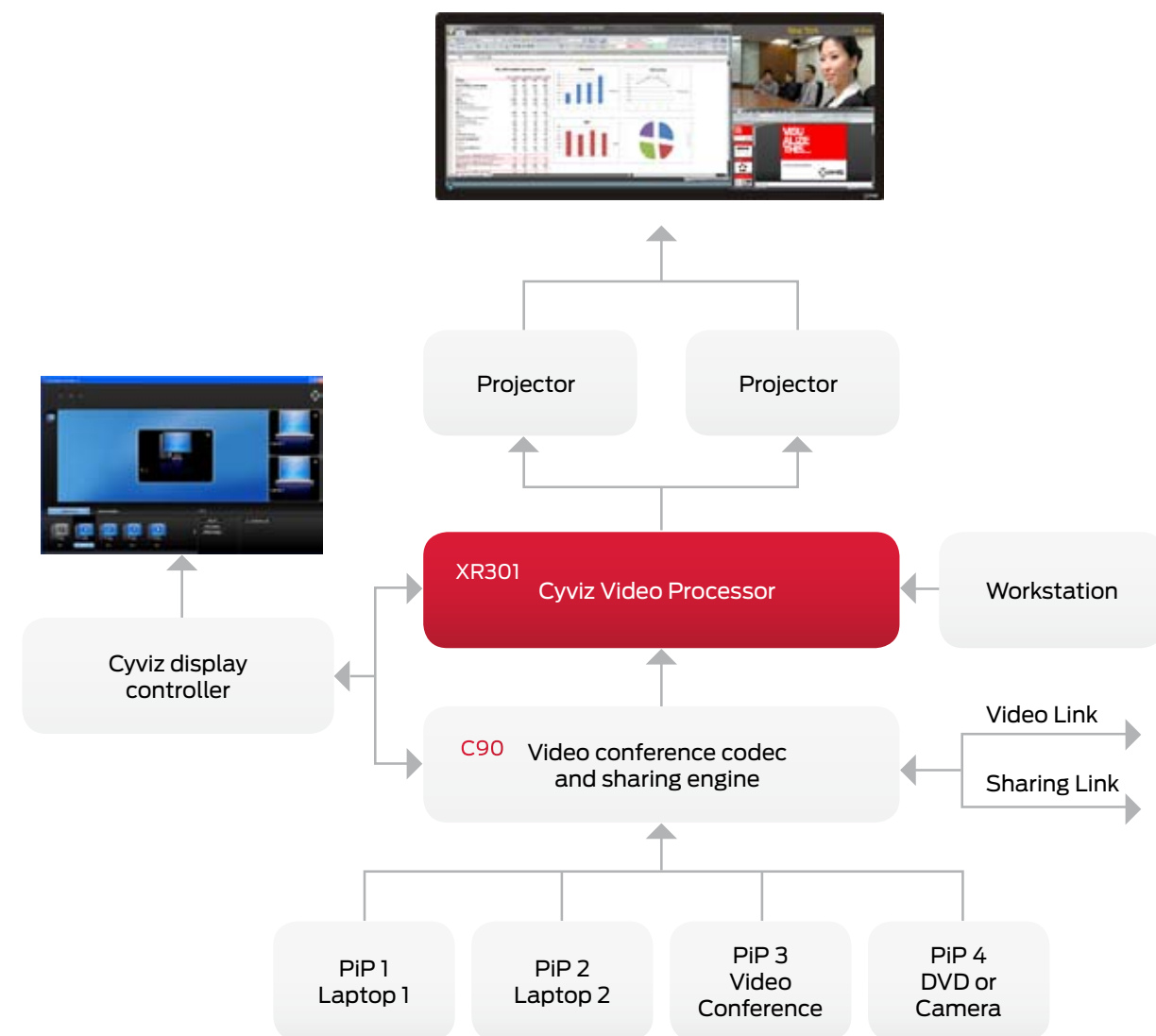
TABLE (optional)

Type: Cyviz C1 table
Capacity: Up to 8 people
Built in connectors: Workstation USB hub for keyboard, mouse and memory stick
Cyziv Display Controller keyboard, mouse and monitor
VGA/HDMI and audio for 2 computers
Videoconference microphone
Power outlets
8 LAN connectors

SYSTEM ARCHITECTURE

The C1 is engineered to facilitate work from a single desktop in 4.2 mpx resolution as well as to combine data sharing and video conferencing in the best way possible. Six sources are connected to the main screen, and five of them can be displayed simultaneously.

With the benefits of standardization also comes some limitations in terms of inputs, and this is a fixed setup for the C1. However, the configuration is based on thorough user research which suggests that these capabilities will match or exceed most requirements.



Cyviz C1 Technology Partners:

TANDBERG

BOSE

kielland

