Counseling Laboratory – SEPS

Prepared by: Cherie King, Counselor Education and Family Therapy Department

Purpose:

To update technology in Counseling lab for the purposes of meeting the training and educational needs of graduate counseling and marriage and family therapy students and compliance with program accreditation standards (e.g. Council on Accreditation of Counseling and Related Educational Programs [CACREP] and Commission on Accreditation for Marriage and Family Therapy Education [CAMFTE].

Rationale:

The counseling lab was built originally in 1999 as a clinical training laboratory for counseling and marriage and family therapy department. The lab is an integrated counseling environment with six private counseling rooms and one control room. As a cornerstone of counselor and MFT graduate training and education, the lab provides interactive counseling practice teaching and experiences with live recording capability. In addition, as an active pedagogy, there is a substantial focus on instructor live review of student work and constructive feedback to enhance effective and ethical counseling practices and application of counseling theoretical approaches and micro-counseling skills. Students benefit from observing and critiquing their own work in order to develop and refine their abilities. Our lab is used by over 300 students during the calendar year for clinical training and counseling practice.

The lab helps us meet the CACREP and COAMFT accreditation standards related to students counseling instructional techniques by way of video recording, observation, and assessment of student skill development as counselors and therapists. The standards of the accreditation bodies emphasize the necessity and utilization of student instructional experiences to include audio-video recording. In addition, accreditation also requires the programs to have to resources and technology necessary for effective implementation of the programs, including provisions for audio and videotape recording and feedback.

An update of the recording equipment was completed in 2013 to chance from VCRs over to digital recording devices for the lab. Although this equipment initially served its purpose, it has been fraught with glitches and technical problems in which CCSU media services and the manufacturer have had to trouble shoot and repaired frequently. The digital recording devices are no longer manufactured or technically supported by the manufacturer. We are also told by media services that the cameras and microphones in the labs are obsolete. During this Fall 2018 semester, three of the six recording devices have failed which has created significant gaps in instruction, skills development, and observation without the benefit of weekly recording and faculty observation and feedback in class. We have been informed that these issues are not able to be fixed as they have in the past. CCSU media services have

done an outstanding job assisting with repairs that we were not anticipating three of the six recording devices were going to completely fail and not be used during instruction.

As a result, this proposal is requesting a technological and equipment upgrade to our lab in order to replace the failing obsolete technology. Since its' development, the lab has undergone several "make-shift" technology improvements including the purchase of the digital cameras and microphones for the counseling rooms. However, we are unable to continue operating the lab with antiquated technology and equipment.

We are requesting a Video Audio Learning Tool (VALT) system for the counseling lab, which is a platform for secure video observation and recording. This new technology is used in many higher education settings including other Counselor Education and MFT training programs. It is a software to create and manage a counseling video database and allow faculty and student users to easily access and view live counseling sessions and recordings for class instruction and feedback. We have obtained proposals from three vendors which have been evaluation and compared by CCSU Procurement, Information Technology and Media Services for appropriateness for our lab purposes, compatibility with CCSU systems, and cost. (see attached email form Thomas Brodeur, CCSU Purchasing Manager)

Technology and Equipment Needs and Budget

We have determined that the proposal from Intelligent Video Solutions (IVS) that includes the VALT system will meet our needs for the lab. The following attachment is detailed specifications and costs for needs equipment and technology for our 6 counseling rooms. This budget and specifications have been prepared with the assistance of the CCSU Informational Technology, Media Services, and Procurement. In addition to estimated equipment and installation, we will also need 7 computers to accompany the VALT system, which includes a computer for each camera and one in the control room. These computers will be provided by IT using compatible computers that are 1-2 years old.

Total Request - $39, 140.00

From:	Brodeur, Thomas (Purchasing)
Sent:	Wednesday, December 12, 2018 1:39 PM
To:	King, Cherie (Counselor Education & Family Therapy); McNickle, Sean (InfoTechServ); Holt, Reginald W. (Counselor Education & Family Therapy); Pocock, Craig (Media Center)
Subject:	FW: Counseling Lab Technology proposals

Apologies for not attending the meeting, but I didn't think I had anything else to add.

But just to clarify from my end, we have quotes from 3 different vendors, of which IVS is the lowest cost at $39,140, and from what I understood the vendor of choice for the department is IVS. In that case I have no issues and no need to publish a formal RFP/RFQ.

If everyone is in agreement on IVS, all I need is a funded requisition and I will place a PO with IVS

I hope that helps
Thanks
Tom

Thomas J. Brodeur, C.P.M.
Purchasing Manager
Central Connecticut State University
1615 Stanley Street
New Britain CT 06050-4010
Phone 860-832-2531
Fax 860-832-2522

Think before you print!

From: Brodeur, Thomas (Purchasing)
Sent: Thursday, December 6, 2018 9:31 AM
To: King, Cherie (Counselor Education & Family Therapy) <kingche@ccsu.edu>
Subject: RE: Counseling Lab Technology proposals

Well you just made my job much easier.
In order to compare apples-to-apples, we need to remove line 4 from CVi's quote (a server license) and replace it with their Option 2, a physical R1X6S rack mount with VALT Base license, which is what IVS is proposing.

A line-by-line comparison of pricing then makes CVi's package total $40,654.74 and IVS the 'low bid'

I hope this helps
Tom

Thomas J. Brodeur, C.P.M.
Purchasing Manager

1

Central Connecticut State University
1615 Stanley Street
New Britain CT 06050-4010
Phone 860-832-2531
Fax 860-832-2522

Think before you print!

From: King, Cherie (Counselor Education & Family Therapy) <kingche@ccsu.edu>
Sent: Thursday, December 6, 2018 9:05 AM
To: Brodeur, Thomas (Purchasing) <Brodeur@ccsu.edu>
Subject: Re: Counseling Lab Technology proposals

Which is intelligent video solutions-

Get Outlook for iOS

From: King, Cherie (Counselor Education & Family Therapy) <kingche@ccsu.edu>
Sent: Thursday, December 6, 2018 9:00 AM
To: Brodeur, Thomas (Purchasing)
Subject: Re: Counseling Lab Technology proposals

VALT

Get Outlook for iOS

From: Brodeur, Thomas (Purchasing)
Sent: Thursday, December 6, 2018 8:50:57 AM
To: King, Cherie (Counselor Education & Family Therapy)
Subject: RE: Counseling Lab Technology proposals

Thanks Cherie

Just so I know what I can bring to the table, do you know/can you tell me which of the 3 is of the most interest to the group?

Thanks
Tom

Thomas J. Brodeur, C.P.M.
Purchasing Manager
Central Connecticut State University
1615 Stanley Street
New Britain CT 06050-4010
Phone 860-832-2531
Fax 860-832-2522

Think before you print!

From: King, Cherie (Counselor Education & Family Therapy) <kingche@ccsu.edu>
Sent: Wednesday, December 5, 2018 3:52 PM
To: McNickle, Sean (InfoTechServ) <mcnicklesev@ccsu.edu>; Brodeur, Thomas (Purchasing) <Brodeur@ccsu.edu>;
Pocock, Craig (Media Center) <pocockc@ccsu.edu>

2

Hi all- Here are the three proposals we have received- I am hoping we can look at these and get our "ducks in a row"
. We need your assistance about evaluating the products, prices, and the next steps for moving this to next level. Your
collective knowledge is crucial to us!

Thank you and see you next week.

Dr. Cherie King, CRC, CDMS, Associate Professor and Chair
Department of Counselor Education and Family Therapy
Program Coordinator, Clinical Professional Counseling Programs
Central Connecticut State University
1615 Stanley Street
New Britain,CT 06053
(860) 832-2407
kingche@ccsu.edu

http://www.ccsu.edu/ceft/index.html
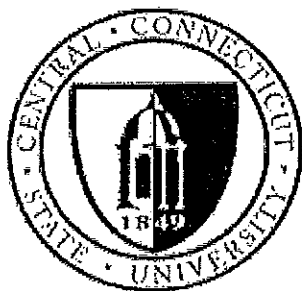
American Counseling
Association

Intelligent Video Solutions
W222 N615 Cheaney Rd. Ste. A
Waukesha, WI 53186
(855) 229-9699
sales@ipivs.com
http://ipivs.com

INTELLIGENT
VIDEO SOLUTIONS

ADDRESS	SHIP TO
Central Connecticut State University	Central Connecticut State University
1615 Stanley Street	Dept. of Counselor Education
New Britain, CT 06050	1615 Stanley Street
	New Britain, CT 06050

QUOTE #	DATE	EXPIRATION DATE
1811060958MH	11/06/2018	04/30/2019

SHIP VIA
Fed Ex

ITEM	QTY	PRICE	AMOUNT
Audio Video recording for Counseling Education and Family Therapy Center at CCSU			
6 therapy rooms with 1 fixed camera each			
*** Head End Equipment and Licensing ***			
10039 VLTBL	1	1,600.00	1,600.00
VALT Base License: Required on all IVS VALT Appliances. Includes core VALT components and perpetual license of Wowza Streaming Engine. Updates and support provided under active SSA agreement.			
10023 R1X6S	1	5,960.00	5,960.00
1U Rackmount Video Appliance w/ 6 TB Storage - Intel E3-1230v5 CPU; 16 GB memory; 6 TB for up to 6000 hours of video storage; supports up to 15 cameras. 3 Year IVS warranty. On site and extended warranty available for an additional cost (Tier 1).			
53010 VALT1P	6	1,995.00	11,970.00
VALT Professional Camera License: Required for each IP Camera or Video Encoder connected to VALT. One-time perpetual license. Unlimited user and workstation support. Includes Valt Standard features plus: Containers, LDAP authentication, customizable views, sharing link, account expiration, review video filters, HTTPS (SSL/TLS), multiple servers, start multiple recording simultaneously, video stream encryption, scheduler, searchable views and time-based account access. Valt Professional does not include: single sign on (SAML), API support, external storage, custom branding, multiple templates per recording and redundant server support. These features are included in Valt Enterprise.			
For all features visit: https://ipivs.com/wiki/Valt_Features			
*** Audio/Visual Equipment ***			
20026 P3375V	6	695.00	4,170.00
AXIS P3375-V Network Camera			
Vandal-resistant dome in 1080p with WDR and ZipstreamVarifocal, 3–10 mm, F1.4 Horizontal field of view: 90 –34 Vertical field of view: 50 –20 . Designed for applications which require tamper proof fixed low profile zoom camera. Privacy switch and talk back are supported. Compatible with Shure MX-202/STM 1 ceiling microphone or Louroe IFPX/Verifact D wall mount/covert microphone. 3 Year Mfg. Warranty.			

ITEM	QTY	PRICE	AMOUNT
40012 STM1 Audio interface designed for connecting up to 2 microphones. Provides a fixed 50 dB gain to bring any mic-level signal up to line-level. Requires 12VDC Power and is compatible with power out provided on Axis 54 series PTZ cameras. Mfr. 3 Year Limited Product Warranty	6	164.00	984.00
41001 MX202iWC Ceiling mount omni-directional condensor microphone with in line pre amp. Wide dynamic range and frequency response for accurate sound reproduction across the audio spectrum. Compatible with STM1 audio interface. Mfr. 2 Year Product Warranty	6	276.00	1,656.00
*** Configuration, Installation, Training, Travel and Support ***			
95014 INSTA On Site VALT Configuration: Certified IVS engineer to travel on site to assist with Valt installation. Includes directing and assisting technicians on proper installation of AV equipment and setup and configuration of VALT Server with cameras, rooms, users, permissions and administrative settings. Cost per day. Travel costs not included.	1	1,500.00	1,500.00
95010 AVINS AV Installation charges, required project total . Install services include physically mounting devices in room such as camera, microphone and audio interface and cabling and terminating audio equipment. Customer is responsible for IP network drop and supplying network switch unless quoted and specified by IVS.	1	3,600.00	3,600.00
95201 ONTNG On Site VALT Training: Certified IVS engineer to host onsite training session tailored to end user use cases. Travel costs not included.	1	750.00	750.00
95400 TRAVL Travel expenses required for the project.	1	2,200.00	2,200.00
96014 SHIP0 System Configuration and Shipping charges to customer location.	1	250.00	250.00
90028 SSA15 SSA: Annual Software Support Agreement. Tiered pricing supporting up to 15 VALT licenses. Active SSA contract required to receive unlimited IVS Help Desk support. Includes access to VALT updates and major feature upgrades released at minimum bi-annually. For additional information please visit: https://ipivs.com/support-information/ ***This is 3 years of Service and Support ***	1	4,500.00	4,500.00
96000 WSME Intelligent Video Solutions provides comprehensive warranty and software support for all products that we provide. For specific details on warranty, support, service level agreement and end user software license agreement please visit the following link on the IVS website: https://ipivs.com/support-information/	1	0.00	0.00

Estimate does not include any applicable sales tax that may be due.   TOTAL   **$39,140.00**

Accepted By   Accepted Date
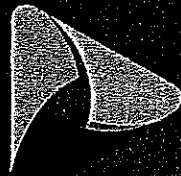
INTELLIGENT
VIDEO SOLUTIONS

PROJECT PROPOSAL

November 7, 2018

| *Prepared for:* Central Connecticut State University | *Project Name:* Counseling Education and Family Therapy Center | *Prepared by:* Mary Hoppe 262-746-3398 mhoppe@ipivs.com |

INTRODUCTION

Thank you for your consideration of VALT as your platform for secure video observation and recording. Intelligent Video Solutions (IVS) is committed to working closely with customers to ensure users, administrators, and stakeholders are satisfied with the technology, implementation, and support and are maximizing the return on investment. During the sales process and throughout the implementation process and beyond, please don't ever hesitate to reach out to your IVS contacts; everyone is 100% committed to your success.

TECHNOLOGY

IVS has developed the VALT solution specifically to meet the unique video observation and recording demands of your industry. VALT pairs enterprise class software with high definition cameras and microphones to provide the quality and reliability you require. The simple, intuitive browser-based interface can be learned quickly and empowers your program to create and manage their own video database without extensive IT support.

EXPERIENCE

The core IVS team has been developing video solutions since 2002. The VALT solution is wholly owned by IVS and the development team is dedicated to reliability and continued enhancements. Since it's launch in 2013 VALT has been deployed globally and is currently serving thousands of users in Higher Education, Healthcare, Goverment and Corporate applications. The IVS installation team can meet any implementation challange and the support staff is focused on providing execellent customer service.

PHILOSOPHY

Intelligent Video Solutions will always "do the right thing" for its customers. The entire team embodies this simple statement and strives daily to create raving fans of its software and services. The cost structure easy to understand with no hidden, esclating costs or budget crushing annual contracts. If there is anything less than 100% satisfaction, communication lines are open to all levels within the organization.

MARKET EXPERIENCE

Higher Education

VALT has been designed to provide colleges and universities with a singular platform that is flexible enough to meet the individual needs of many unique departments yet provide a common infrastructure that is easily managed and reduces costs. Approximately 60% of the customer base is higher education with several hundred installations across the globe.

VALT is most commonly installed in clinics, simulation labs, and research centers and used for speech therapy, audiology, counseling, occupational therapy, psychology, nursing, medical simulation, residency programs, pharmacy, athletic training, law, education, and business applications. VALT is a great fit for any department or school that needs a simple to use video observation and recording solution which is secure, compliant, and affordable.

IVS believes the use of video in higher education will continue to grow at high rates for several reasons:

1.) More schools and departments are incorporating video into their curriculum because of the growth and popularity of experiential learning.
2.) The growing demand for healthcare workers is creating a need for more simulation labs which rely on video for training.
3.) University research labs continue to adopt video in their labs and recognize video as an essential research tool.

To support this growth IVS continues to fund development for new VALT features that will assist all three growth areas. Currently, this includes scoring for skills and simulation applications and enhanced coding and reporting for improved research functionality.

Healthcare

Healthcare represents Intelligent Video Solutions fastest growing market segment. There are currently over 100 healthcare organizations throughout North America using VALT to help improve patient care. Customers include Children's Hospital of Atlanta, Children's Hospital of LA, Children's Hospital of Philadelphia, Nationwide Children's, Dignity Health, Trillium Health Partners, and more.

Healthcare organizations are using VALT in behavioral research, autism care, medical simulation training, residency certification, forensic interviews, and patient observation applications. VALT is a great fit for any application that needs a simple-to-use video observation and recording solution which is secure, compliant, and affordable.

IVS believes the use of video in healthcare will continue to grow at a high rate. To support this growth IVS is investing in employees with hands-on patient care experience and who understand the dynamics of healthcare. IVS also continues to invest in technology developments specific to healthcare which currently includes improved reporting and coding for clinical research applications and scoring for employee training in medical simulation.

PROJECT SNAPSHOT

Project Description

CCSU is looking for a video recording and observation room for the Counseling Center. The solution will encompass a total of 6 cameras in 6 different rooms include an instance of VALT server software for the management, security, and delivery of live and recorded content from the 6 therapy rooms. Specific room configuration details are outlined in the Room Configurations portion of this document.

Timeline

CCSU is looking to have the project completed by early January, 2019.

Primary Customer Contact

Reggie Holt
Assistant Professor – Dept. of Counseling Education & Family Therapy
rwholt@ccsu.edu

IVS Contacts

Account Management
Mary Hoppe
262.746.3398
mhoppe@ipivs.com

Lead Design Engineer
Jared Buttitta
262.746.6894
jbuttitta@ipivs.com

Project Manager
Tim Merkel
262.746.3397
tmerkel@ipivs.com

SOLUTION OVERVIEW

VALT: Video Audio Learning Tool

Video is a proven tool that helps better educate, train, connect and protect organizations everywhere. VALT is an innovative software solution that enables users to be able to create and manage their own video database. This powerful tool helps organizations increase the use of video to improve the effectiveness of a wide variety of programs. VALT can scale to support any number of cameras, users, and departments while the intuitive browser-based interface provides each user with a unique and secure experience. The application empowers users to quickly and easily view, record and manage video events without extensive IT support headaches.

Live Observation

The VALT application has been designed to allow users to easily and securely view live audio-video sessions. The VALT application employs enterprise-class video streaming technology allowing for the connection of numerous IP video cameras within a room and across multiple rooms with the capability to serve out hundreds of simultaneous video streams from a single VALT server instance.

A matrix view allows the observer to view up to nine simultaneous sessions on a single display. Client software runs in a browser simplifying viewing and roll-out of software upgrades. All major web browsers are supported including Apple and tablet versions, allowing users to use VALT to access live video anywhere.

Rooms are displayed in an easy to find list and are labeled according to user preference.. Observers are able to create "markers" during the recording process which index important video points allowing users to quickly access important events. Markers may be named or created via drop down box.
Using our "talkback" feature, observers can communicate with students/clinicians via computer microphone or USB headset by simply clicking on the talk icon in the video window when optional "talkback" hardware is purchased.

Recording

Easily start and stop audio-video recordings using the web interface, by using the built-in scheduler, or by integrating proximity card swipes, or start-stop buttons installed inside or outside of the room. Cameras may be grouped together and synchronized to start and stop recordings simultaneously. This feature is beneficial when more than one camera is installed in a room. All videos are recorded in a non-proprietary MP4 video format and are viewable on almost any computer or device.
"Templates" allow administrators to create unique data fields which are customizable for each group. The data fields capture specific session information to catalog and index the video file. Examples of data fields include: student name, instructor name, patient name, patient type, specific disorder and case number. Templates allow universities to deploy a single platform that can still provide customization capabilities for different groups and disciplines.

Recording Review & Management

Users of VALT can quickly search and find the desired session or interview. Videos are available for review seconds after the recording is completed. A powerful search engine allows users to retrieve sessions based on information that was entered in the session data fields or markers. After retrieving a video, the user can navigate through the video by clicking on the timeline or choosing any marker that was created during the observation mode.

In the event multiple cameras are associated with a single room or joint rooms, video content plays back completely synchronized. "Markers" may be created and inserted into recorded video during playback to index key points and allow users to quickly find and identify content.

All session data may be edited during the playback. A "notes" field may also be added as a custom field to provide an area for the user to add comments to the content. If given the appropriate rights, users can download content to their own PC which may be played back in a standard media player.

Security & Permissions

VALT is used in some of the most secure environments in the world. Almost every feature or function can be enabled or disabled at the group level making for an extremely flexible and easy-to-maintain permission structure.

Users are assigned rights based upon the group or groups they are in. Each feature in the user interface is assigned a right and may be added or removed from any group quickly and easily. Usernames and passwords are created via the administrator or more commonly tied to LDAP which significantly simplifies management. Each group can be allocated its own set of cameras. This allows the customer to easily segment and departmentalize groups and isolate them from each other even though they share the same infrastructure. Content may be set to automatically delete using a calendar feature which is tied to group permissions. The system is capable of full SSL and data encryption.

SERVER CONFIGURATION

VALT can be deployed as an appliance that incorporates the hardware and software or it can be installed as a VM for deployment within a VMWare or Microsoft Hyper-V environments. This proposal includes a VM virtual appliance and perpetual licensing to support 24 cameras. If CCSU decides to add cameras in the future, it will only need to purchase additional hardware (cameras and mics) and additional VALT camera licenses. There are no user or seat licenses. There are no required annual fees.

The VALT camera licenses included in this proposal are Enterprise. A list of features can be found here: https://ipivs.com/wiki/Valt_Editions.

ROOM CONFIGURATIONS

Therapy/Counseling rooms:

Quantity of Rooms: 6
Ceiling Mounted Fixed Cameras (per room): 1
Ceiling Microphones (per room): 1

Description: Each room will have a total of 1 fixed camera. Audio from the microphone will be run to the camera so that each camera angle contains synchronized audio and video.

DESCRIPTION OF SERVICES

Field Services: Installation & Training

IVS has a talented and resourceful team of Project Managers and Field Service Technicians and is flexible in terms of its involvement in the deployment of its solution. For CCSU, IVS will provide union labor to install POE cabling, camera, mic, and installation, server configuration, and training. Other deliverables include:

Project Management

Intelligent Video Solutions will designate a project manager to be the single point of contact for the customer and will coordinate delivery of all products and execution of all professional services as detailed in the IVS proposal for this project.

Pre-Configuration Services

Intelligent Video Solutions will pre-configure video appliances and cameras with customer supplied IP information and necessary set up requirements at the IVS configuration center in Waukesha, Wisconsin, thereby minimizing work on-site.

IVS will stage all equipment, consolidate all components of the solution, and ship the complete solution to CCSU.

Network Integration Services

Intelligent Video Solutions will provide an engineer to remotely coordinate the integration and configuration of network related services (Active Directory, ACLs, SSL, etc) with the CCSU IT department.

Field Installation Services

Intelligent Video Solutions will provide technicians to install the necessary hardware and cabling to complete the solution as outlined in the quotation.

Camera Placement

IVS will provide a recommendation based on industry best practices for the placement of cameras within all rooms at the time of installation.

IVS will conduct an initial walk through of all rooms with CCSU. During this walk-through placement of the cameras in each room will be agreed upon with the designee of CCSU.

Field Engineering/Training Services

Intelligent Video Solutions will provide an engineer to custom configure the VALT software to meet the specific needs of the customer. Included in the set up and configuration of the head end is the following:

- Entering IP camera information into the software and name cameras according to customer desired room names or camera IDs
- Working with the customer to develop custom fields associated with each camera and configuring user templates for those fields
- Working with the customer to define user groups and defining appropriate rights and access requirements for each group

- Setup of applicable user accounts
- Testing configuration and insuring software and all hardware is configured and working as specified
- Training the end users on the client software
- Training administrators on the set up and configuration of administrative portions of the solution

Software Support

The Software Support Agreement (SSA) provides customers access to software upgrades and support which includes on-going assistance with configuration, troubleshooting, and training. On average IVS releases two VALT upgrades per year. Additionally, IVS will coordinate the replacement of all warrantied hardware failures. SSA cost is annual and based on the size of the installation. SSA renewal after the initial purchase is optional and not required for VALT to function.

For additional information on the IVS SSA Agreement please visit: https://ipivs.com/support-information/

- transferable to new lab
- expandable to more rooms?
Add on ?

PROJECT ESTIMATE

Server Software & Licensing

	Quantity	Price	Total
VALT Server & base license	1	$5960	$7560
		$1600	
Professional Camera Licensing	6	$1995	$11,970

Total Software: $19,530

Audiovisual Equipment

	Quantity	Price	Total
6 Therapy Rooms, with 6 Fixed cameras & microphones	6	$4170	$6,810
		$984	
		$1656	

Total AV: $6,810

Software Support Agreement

	Years	Per Year (upfront)	Total
3 Year SSA	3	$1,500	$4,500

Total SSA: $4,500

What's after 3 yrs?

Installation Services

	Cost of Services	Travel Costs	Project Total
IVS project manages and all AV and AV network drops are installed by union subcontractors	$6100	$2,200	$8,300

Total Installation & Training: $8,300

PROJECT ACCEPTANCE

The total cost of this project is **$39,140** and will include all travel and expenses. There are no required annual fees. Technical support and all software updates are provided for 3 years.

Upon execution of this agreement, pricing is valid and guaranteed through March of 2019.

Central Connecticut State University

Intelligent Video Solutions

Mary Hoppe

_____ _____
Full name   Full name

BSN, RN, Director of Healthcare Sales

_____ _____
Title   Title

_____ _____
Signature   Signature

_____ _____
Date   Date

Noldus

Information Technology

Dr. Reggie Holt
Central Connecticut State University
Department of Counselor Education &
Family Therapy
New Britain, CT
US

Quote # NQU.18.4587
Date 12/3/2018
Expiration 60 days after date of Issue

Dear Reggie,
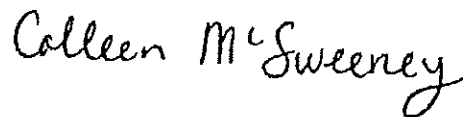
As requested, below you will find a quote for the Laboratory components we discussed for your Counseling Education and Family Therapy Setup. The quote includes all necessary hardware and software components, except viewing computers (which you indicated the university could provide). Additionally, these installation prices are contingent on Central Connecticut State University's facilities department pulling cables for us.

To ensure that your new system runs smoothly, NoldusCare professional support is included with your purchase. While NoldusCare is active, you will continue to receive software upgrades and unlimited technical/hardware support via phone and email. Beyond the first year, which is provided to you free of charge, NoldusCare can be extended an unlimited number of years on software.

Please note that service contracts for hardware are limited to three years, and may only be purchased up front. Due to the nature of changing technology, extending NoldusCare on hardware will not be possible after your initial contract period ends. *If you are interested in an extended warranty, please let me know and I will provide pricing for your consideration.*

Please contact me at any time if you have questions about this quote. I will touch base with you in about a week or two.

With kind regards,

Colleen M°Sweeney

Colleen McSweeney, Ph.D.
Scientific Sales Consultant
Noldus Information Technology INC

Noldus

Information Technology

VISO
Multi-room, multi-video recording suite

DESCRIPTION

Viso is a multi-room, multi-video recording software suite, ideal for audio/video recording, debriefing, and playback. With Viso, you can easily create high quality video and audio recordings in multiple rooms simultaneously.

Recording
With Viso, you can easily create high quality video and audio recordings in multiple rooms at once.

Record from as many rooms as needed at the same time using the Room Management module, customized to your specific setup.

Easily manage up to 20 scenarios from one central location. With Viso, start and stop recordings in different rooms independently from one another. This feature allows multiple researchers to use the system at the same time.

Viso ensures video streaming, management, and security of the recorded streams to provide you with the best data. Each Viso Recorder allows you to create synchronized recordings from up to four IP cameras (Pan-Tilt-Zoom or stationary) at once, synchronized with audio from each room. It is possible to install up to four licenses of Viso Recorder on a single computer, allowing recordings from multiple rooms and up to 16 cameras at once to be easily managed from one central location. If more than 16 cameras are included in the system, a server can be provided to handle those extra rooms, maximizing utility of the system while still conserving hardware space in the control room.

During recording you can communicate with your participants using the optional push-to-talk button in the software, to quickly intervene or provide additional instructions.

Viso allows you to start and stop recording in various rooms independently from one another. This will allow multiple researchers to use the system at the same time. You can also use a web interface to start and stop a recording. Simply connect to the Viso network via wifi and control your recording with a smartphone or tablet. With the User Management Module, assign dedicated user roles on 4 levels, allowing complete control over who has access to which recordings.

Benefits

- *Highly scalable* – depending on your requirements, Viso can be configured for an unlimited number of rooms.
- *Easy control* – Pan-Tilt-Zoom IP camera control is embedded in the software.
- *Centralized control* – independent recording from multiple rooms using a single software license.
- *Quick debriefing* – set markers via a simple key press and add comments at any time.
- *Immediate playback* – a live view allows you to see and hear what is happening in any location in real time.
- *Concrete feedback* – view video streams in sync immediately after recording using a Viso Viewer, for feedback or discussion with participants.
- *Security* – the network connection can be protected by creating a private network.
- *Safe and organized storage* – all files will be saved to a predefined location for easy playback.
- *User roles* – administration rights, user rights, and guest rights protect the access to video streams.

Noldus
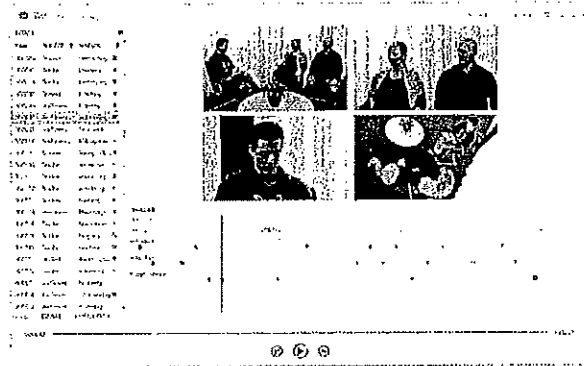
Annotation and debriefing

Within Viso, easily create lists of up to 36 subjects and markers (events of interest). While recording, annotate subjects, markers, or add comments/remarks via mouse click or a simple key press.

Recordings and marked events can be viewed both in real-time and after recording from any location within the Viso Viewer software. Via the timeline the scored markers are shown in a graphical way, in combination with subjects. After a session the videos with the added markers and remarks are immediately available for debriefing, while the system is available directly for new recordings.

You can use the Presentation view to show a selection of the videos on a big screen. If there's data you don't want to been seen by everyone, simply disable the videos that should not be projected via the Presentation View. Scored markers are shown on the primary display for your view, but not on the display screen.

User Management Module

Another powerful portion of Viso is user management. The software allows 4 levels of user access:

- *Administrator:* has full control over the system. Can setup the camera locations, has full access to user management, assigning roles to users and can upgrade the software. May export any file, delete any file, rename any file, start/stop recordings, make marker lists.
- *Technician:* has similar options as the Technician but cannot setup the cameras at locations and cannot upgrade the software.
- *Trainer:* can create videos; export, delete, and/or rename own files; start/stop own recordings; make and use marker lists
- *Trainee:* can only view a video recording when invited to.

The terminology of these roles can be adjusted in your system; for example, change "trainer" to "teacher" and "trainee" to "student".

FEATURES AND BENEFITS

- Start/stop recording and change the PTZ from any location with a Viso Viewer.
- Start/stop recordings remotely from any handheld device using the web interface (iOS, Android, and more).
- Professional audio setup enables you to make high quality audio recordings.
- Experience a user interface that is simple and easy to use!
- Runs on Windows 10 (64 bit computers).
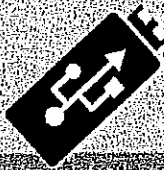
Noldus

COMPONENTS

- Viso for Room Management for the number of rooms needed
- Viso Recorders - recording software for independent recording of multiple rooms
- Viso Viewers - an unlimited number of connections can be made enabling management to view the recordings live or offline. One computer needs one viewer. Multiple viewers on multiple computers (remote) are also a possibility
- Viso Annotation Module (optional – depends on research needs) – at each viewing station, users can create lists of subjects and markers, or add comments/remarks, during live recording for immediate debrief. Annotations can also be made after recording, with trainees.
- Viso User Management Module (optional – depends on research needs) - control who has access to which recordings from within the Viso software
- Cameras and workstations
- Mobile access using the web interface
- Installation and training

Noldus

NOLDUSCARE
Support and Maintenance Contract

Achieve maximum return on your investment with NoldusCare! Our services are fast, reliable, and available worldwide. A one-year subscription is included with your purchase when you buy a new system or update your existing software. Coverage for additional years can be included upon request. Experience complete peace of mind with NoldusCare!

GET YOUR QUESTION ANSWERED

You will receive a personal and useful answer to your question.

Our technical experts are ready to assist. Contact our world-wide Support staff anytime you have a question, and we'll respond within 24 hours, guaranteed.

WORK WITH THE LATEST VERSION OF THE SOFTWARE

Take advantage of the newest software to speed up your work.

This version always includes new features and new functionality, based on input from our worldwide customer base. Updates, upgrades and new releases are available for free. As well as update meetings, where you can discuss new features with a Noldus consultant.

RECEIVE EXTENDED WARRANTY ON HARDWARE

Quick repair or replacement, free of charge.

When hardware breaks down, due to defective materials or workmanship, we will repair or replace it. It is as simple as that. You can continue your project as soon as possible. Please note that for some 3rd party hardware other rules apply so please check the GT&C or ask your account manager.

PROTECT YOUR INVESTMENT
GUARANTEED PROJECT QUALITY AND CONTINUITY
EXPERIENCE PEACE OF MIND

All transactions are subject to our General Terms & Conditions, a copy of which is available at http://www.noldus.com/legal/general-terms-conditions.

Noldus

QUOTE SUMMARY

Please return this signed form to Noldus Information Technology (via fax: 1-703-771-0441 or email: sales@noldus.com)

No.	Description	Qty	Unit Price	Adjustments*	Total
	Temporary Setup				
1	Viso Software: • 1-8 Room Management Module • Scheduling Module • (8) Remote Viewing Modules (desktop viewing stations provided by university) • (6) Fixed Focus Cameras with professional tripods • Equipment Rack, 24" (1) • (2) Recording Computers • All necessary cables, connectors, and mounts • Onsite Installation of Viso Lab, 1 Day • Onsite Training Viso Software, 1 Day *Cables will be placed on the floor in conduits, as opposed to in the walls- temporary setup*	1	62,800.00	-20,352.40	42,447.60
	Permanent Setup in Renovated Space				
2	Onsite installation in new renovated space, includes: • Moving all equipment to new space • 6 dual option mounts for the cameras • All cables and connectors *Central Connecticut State University facilities will pull cables*	1	5,000.00		5,000.00
	Optional Items				
3	Rackmount 4TB Network Storage Device	1	1,595.00		1,595.00
4	Rackmount Uniterruptable Power Supply	1	625.00		625.00
5	Viso Annotation Software	1	673.00		673.00
	NoldusCare				
6	Estimated Delivery Fee (Freight) • All materials (even permanent setup in 18 mo.)	1	775.00		775.00
7	NoldusCare 1 year, free of charge	1	3,374.06	-3,374.06	0.00
8	NoldusCare 3 years (first year free of charge)	1	10,122.18	-3,374.06	6,748.12
	Total (US$) including 1 year NoldusCare (free of charge)				$ 51,115.60
	Total (US$) including 3 years NoldusCare (including 1st year free of charge)				$ 57,863.72

*This column includes all applicable discounts, including academic and/or multiple license discounts.

Noldus

PLACING THE ORDER

By signing this quote you agree to the included General Terms and Conditions. Academic discounts are only available when purchasing documents are received directly from academic institutions.

Name of authorized person   _____

Date   _____

Signature   _____

Receipt of a formal PO document is required. An acceptance email will be sent within three business days.

EIN#	98-0160706
D&B#	95-895-1097
Submit orders to:	Noldus Information Technology Inc.
	Via mail: 1503 Edwards Ferry Road, Suite 310, Leesburg, VA 20176
	Via Fax: 703-771-0441
	Via Email: sales@noldus.com
Prices	All in USD ($). Prices do not include taxes.
	For clients in Canada: Prices do not include customs duties.
NoldusCare	First year is included with purchase. Extended warranty coverage is optional. The NoldusCare Conditions cover additional services such as maintenance, support and repairs (not including services provided under the Consultancy Conditions). These can be found in the *General Terms and Conditions* document under the section "NoldusCare Conditions." Noldus software, Noldus hardware and third-party suppliers covered by NoldusCare are listed in the *Annex to the General Terms and Conditions*.
Payment terms	NET 30 (days)
Shipment terms	FOB Destination, Prepay and Invoice
	For orders including freight shipments: Quoted prices are for transportation only. Additional services, such as inside delivery or a truck with a lift gate, are not included. If additional services are required, contact your Scientific Sales Consultant for adjusted fees. If additional services are requested of the carrier at the time of delivery, the receiver is responsible for all related additional charges.
Validity	60 days after quotation date, unless specified otherwise
Est. Delivery time (goods)	30-60 business days after receipt of order
	If purchased: Installation and/or training may occur at a later date
Prepared by	Colleen McSweeney, Ph.D.
	Scientific Sales Consultant

All transactions are subject to our General Terms & Conditions, a copy of which is available at http://www.noldus.com/legal/general-terms-conditions.

CVi
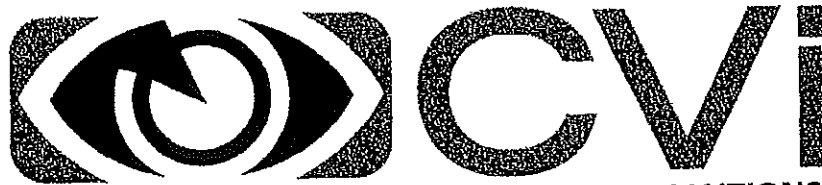
INTERACTIVE AUDIO VIDEO RECORDING SOLUTIONS

N66W38493 North Woodlake Circle, Oconomowoc, WI 53066

Ph: 262-569-1986   www.cvisecurity.com   Fax: 262-244-1495
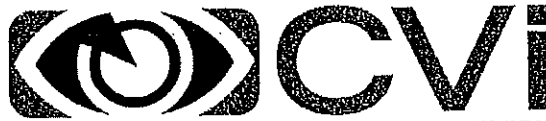
richard@cvisecurity.com

CLINIC OBSERVATION RECORDING SYSTEM (CORS)

UPDATED
USER, ADMINISTRATIVE AND TECHNICAL INFORMATION
FOR THE
VALT SERVER AND SOFTWARE
can be found on-line at

http://ipivs.com/wiki/Home

This information includes:
- Server Hardware Technical Specifications,
- VALT Software Set-up Guide
- Camera & Microphone Installation and Set-up Guides
- Troubleshooting Guides
- Supplementary Equipment Installation Guides
- User Training Videos
- Mobile Application Guides (including BEAM for IPads)

VALT SOFTWARE SUPPORTED EQUIPMENT REQUIREMENTS

CLIENT PC REQUIREMENTS

Hardware Requirements

For live observation see below guidelines. The maximum number of cameras that can be observed live simultaneously (720P & 1080P is listed for each system type).

Image	Processor	Memory	720P	1080P
	Dual Core	2GB	1	0
	Core i3	4GB	2	1
	Core i5	4GB	3	2
	Core i7	8GB	6	4

Software Requirements

One of the following validated browsers:

Desktop Browsers

Image	Browser	Tested Version	Full Screen	Features Recommended 1-5
	Chrome	Latest Available	Yes	5
	Firefox	Latest Available	Yes	5
	Safari	Latest Available	No	4
	Internet Explorer	Must be 11+	No	3
	Microsoft Edge	Latest Available	No	2

Mobile Browsers

Image	Browser	Tested Version	Features	Recommended 1-5
	Puffin	Latest Version	All supported	5
	Dolphin	Latest Version	Only supports 1 Cam	3
	Photon	Latest Version	Must click Enable	2

VIRTUALIZED SERVER REQUIREMENTS

Cameras	Cores	Memory
5	4	8 GB
15	8	16 GB
25	16	32 GB
50	32	64 GB

NETWORK REQUIREMENTS

Server to Camera(s) access:
- a. TCP 80 - http
- b. TCP 554 - rtsp video
- c. TCP 8086 – Wowza
- d. TCP 8087 – Wowza

Client to Server (Non SSL):
- a. TCP 80 – http
- b. TCP 20100, 8080 – http nodejs
- c. TCP 1935 – rtmp video
- d. TCP 22 – SSH admin
- e. TCP 8088 – Wowza admin
- f. TCP 8000 - Wowza webserver

Client to Server (SSL)
- a. TCP 443 –https
- b. TCP 20100, 8080 – https nodejs
- c. TCP 1935 – rtmp video
- d. TCP 22 – SSH admin
- e. TCP 8088 – Wowza admin
- f. TCP 8000 - Wowza webserver
- g. TCP 80 – http redirected to https (443)

Client to Server (SSL + RTMPS)
- a. TCP 443 – https
- b. TCP 20100, 8080 – https nodejs
- c. TCP 444 – rtmps video
- d. TCP 22- SSH admin
- e. TCP 8088 – Wowza admin
- f. TCP 8000 - Wowza webserver
- g. TCP 80 - http redirected to https (443)

SERVER CONNECTIONS

INTELLIGENT
VIDEO SOLUTIONS
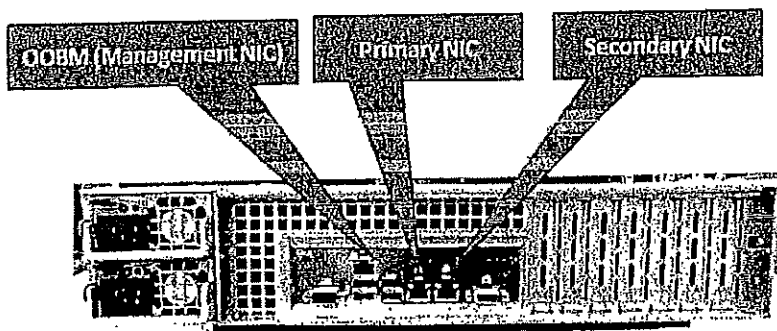
END USER LICENSE AGREEMENT

for IVS VALT SOFTWARE and Related Software Products and Services

Thank you for choosing software ("Software") from Intelligent Video Solutions (IVS). This End User License Agreement (this EULA) is a legally binding license agreement between you and IVS that describes your rights to use this software and services provided by IVS.

IF YOU DO NOT AGREE TO EACH AND EVERY TERM AND CONDITION OF THIS EULA, YOU MAY NOT USE ANY SOFTWARE PROVIDED BY IVS.

THIS EULA IS AN AGREEMENT TO LICENSE SOFTWARE, NOT AN AGREEMENT FOR THE SALE OF SOFTWARE.

For adequate consideration, IVS and End User ("You") agree as follows:

1. **Software Licensed, Not Sold.** The Software is licensed, not sold. This EULA does not transfer or modify any ownership rights related to the Software, which are exclusively held by IVS.

2. **License Grant to the Software.** Subject to the terms of this EULA and of applicable fees, IVS hereby grants you a limited, worldwide, nonexclusive, nontransferable, revocable license, without rights to sublicense, to download and install the Software on one (1) server, and to use the Software for the purposes set forth in the applicable Software documentation, to the extent permitted by your payment of applicable fees and any specifications of your specific license grant and license type.

3. **Title.** IVS retains all right, title and interest in and to the Software.

4. **Intellectual Property Rights Confidential.** The IVS VALT Software is valuable trade secret(s) and the confidential and proprietary Information of IVS.

   The Software and any copies thereof are the exclusive intellectual property of IVS and protected by copyright laws and international treaties and as well as other intellectual property laws and treaties. The structure and organization of the Software, along with its source code and object code, are confidential information and valuable trade secrets of IVS. You agree that any disclosure by you of this confidential information will cause immediate, irreparable harm to IVS for which a court of competent jurisdiction may award equitable remedies, as well as any other available legal remedies. IVS does not grant you any intellectual property rights in or to the Software.

   You agree to maintain the confidentiality of the Software, License Keys, and other intellectual property of IVS using your best efforts, and in no case less than reasonably prudent care for extremely sensitive and proprietary confidential information. You agree to reasonably communicate the terms and conditions of this EULA to those persons employed or engaged by you, or who otherwise come into contact with the Software, and other intellectual property of IVS, and to use best efforts to ensure their compliance with the terms and conditions of this Section 4.

5. **Termination.** IVS may terminate this EULA immediately and without notice if you fail to comply with any term of this EULA or fail to timely pay any amounts due IVS.

6. **Effect of Termination.** In the event of termination, you must immediately and completely cease using the Software in any way, and destroy all copies of the Software.

7. **Limited Warranty.** IVS warrants that the Software will substantially conform to the description contained in the applicable end user documentation for a period of 90 days after the earlier of the date IVS provides the Software or the

date you downloaded the Software. EXCEPT FOR THE PRECEDING EXPRESS LIMITED WARRANTY, TO THE MAXIMUM EXTENT PERMITTED BY PPLICABLE LAW, IVS PROVIDES THE SOFTWARE AND SERVICES WITHOUT ANY WARRANTIES OF ANY KIND, EXPRESS, IMPLIED, STATUTORY, OR IN ANY OTHER PROVISION OF THIS EULA OR COMMUNICATION WITH YOU, AND IVS SPECIFICALLY DISCLAIMS ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT. IVS DOES NOT WARRANT THAT THE SOFTWARE OR SERVICES WILL MEET YOUR NEEDS OR THAT THE SOFTWARE OR SERVICES WILL BE OR PROVIDE FOR ERROR FREE OPERATION OR OPERATION WITHOUT INTERRUPTION. IN THE EVENT YOU OBTAINED THIS LICENSE FROM A RESELLER, DISTRIBUTOR, OR OTHER THIRD PARTY, IVS SHALL HAVE NO OBLIGATION TO YOU UNDER ANY WARRANTY GIVEN BY SUCH RESELLER, DISTRIBUTOR, OR THIRD PARTY, OR THEIR RESPECTIVE AGENTS OR EMPLOYEES.

8. **Limitation of Liability.** TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, IN NO EVENT WILL IVS BE LIABLE FOR ANY LOST PROFITS OR BUSINESS OPPORTUNITIES, LOSS OF USE, BUSINESS INTERRUPTION, LOSS OF DATA, OR ANY OTHER INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES UNDER ANY THEORY OF LIABILITY, WHETHER BASED IN CONTRACT, TORT, NEGLIGENCE, PRODUCT LIABILITY, OR OTHERWISE RELATED TO THE SOFTWARE, SERVICES, OR OTHER SUBJECT MATTER HEREOF. BECAUSE SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF LIABILITY FOR CONSEQUENTIAL OR INDIDENTAL DAMAGES, THE PRECEDING LIMITATION MAY NOT APPLY TO YOU.

IVS'S LIABILITY UNDER THIS EULA WILL NOT, IN ANY EVENT, EXCEED THE FEES, IF ANY, PAID BY YOU FOR THE SOFTWARE AND SERVICES LICENSED TO YOU UNDER THIS EULA. THE FOREGOING LIMITATIONS SHALL APPLY TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, REGARDLESS OF WHETHER IVS HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES AND REGARDLESS OF WHETHER ANY REMEDY FAILS OF ITS ESSENTIAL PURPOSE. YOU AND IVS AGREE THAT, GIVEN THE PRICE OF THE SOFTWARE AND THE NATURE OF THE CIRCUMSTANCES, THE PRECEDING LIMITATIONS ARE FAIR AND REASONABLE.

9. **Taxes.** You shall be solely responsible for, and shall pay directly, all taxes, duties, and charges incurred related to this EULA or the Software or Services.

10. **Entire Agreement.** This EULA sets forth IVS's entire liability and your exclusive remedy with respect to the Software, Services, and other subject matter hereof, and supersedes the terms of any purchase orders and any other communications or advertising with respect to the Software. ANY PURCHASE ORDER OR OTHER DOCUMENT PROVIDED BY OR RECEIVED FROM YOU SHALL BE FOR YOUR INTERNAL USE ONLY AND SHALL NOT BE APPLICABLE TO IVS NOR SHALL IT MODIFY THE TERMS OF THIS EULA OR GOVERN YOUR USE OF THE SOFTWARE. IVS REJECTS ANY TERMS CONTAINED IN YOUR PURCHASE ORDERS OR SIMILAR DOCUMENTS.

11. **Notices.** Notices required by or related to this EULA from you must be sent via U.S. Mail or reputable overnight carrier, return receipt requested, to IVS's then current mailing address, which is presently 1265 E. Wisconsin Avenue, Suite A, Pewaukee, Wisconsin, 53072.

12. **Severability.** If a provision of this EULA is found illegal or unenforceable, it will be enforced to the maximum extent permissible, and the legality and enforceability of the other provisions of this EULA will not be affected.

13. **Relationship of You and IVS.** This EULA shall not be construed to create any employment, partnership, joint venture, franchise, or agency relationship between you and IVS, or to authorize either party to enter into any commitment or agreement binding on the other party.

14. **Governing Law.** This EULA will be governed by the laws of the State of Wisconsin without regard to its choice of law principles. Any dispute under this EULA will be venued in Waukesha County, Wisconsin.

15. **Contact Information.** If you have any questions about this EULA, please contact IVS at Ipivs.com.

16. **Survival of Terms.** These terms shall survive termination of this EULA.

INTELLIGENT
VIDEO SOLUTIONS

VALT COMPLIANCE & SECURITY

HIPAA + HITECH COMPLIANCE

For applications where our system would be used In a clinical setting, compliance and security Is a major concern for most of our customers. We have Included some Information below regarding our ability to meet and overcome compliance challenges.

It Is our Interpretation that HIPAA rules do "not assume the task of certifying software and off-the-shelf products" (p. 8352 of the Final Security Rule) neither do they set criteria for or accredit Independent agencies that do HIPAA certifications. To us this means no video software vendor can claim "full compliance or certification" to these acts. However, some of our client organizations do view the video assets recorded by the VALT solution as a PHI or EHR. As such we have created features, functions, security and permissions to meet the challenges our clients face and work hand In hand with their technology staff to ensure our solution Is implemented and architected to meet compliance goals.

The HIPAA Privacy Rule, Security Rule and ensuing HITECH Act do clte security features such as password encryption, security and permission levels, audit trails and in-transit/at rest data encryption. The VALT solution has built features around each one of those concerns as detailed below. However, true compliance Is really a facility concept and while we have taken the steps to help your staff protect the data on our system the remainder of the operational procedures, network architecture and user protocols required are outside the scope of our system.

Intelligent Video Solutions Is also willing to review and sign any Business Associate (BA) or Non-Disclosure documentation that may be required.

PASSWORD ENCRYPTION

The VALT solution can Integrate with LDAP so no user passwords are stored on our system. IF passwords are created and stored on the VALT system they are encrypted In the VALT database. All client access to log Into our browser based solution can be done over SSL encrypted ports.

SECURITY & PERMISSIONS

VALT system administrators have granular access over every single feature, video stream, recorded video asset and data on our system. A robust security and permission structure can be implemented to comply with any organization procedures.

AUDIT TRAILS

VALT logs and makes available for search and sorting by system administrators the following information. Each entry Is date and time stamped:
- Login: All successful and unsuccessful login attempts with user IP Address
- Camera/Room: All access to live video streams by user
- Recording: Start/Stop and Scheduled recordings by user
- Review: Playback, clipping and downloading by user
- Admin: Logs all admin changes

DATA ENCRYPTION

In-Transit: All data transmitted from client to server and server to client can be encrypted using SSL encryption. All audio/video streams can be securely encrypted and transmitted from server to client using RTMPS streaming / encryption

At-Rest: Is a somewhat gray area In HIPAA, and It Is up to your IT department to decide if encrypting "data at rest" Is warranted through the use of easily Implemented options like TDE or EFS.
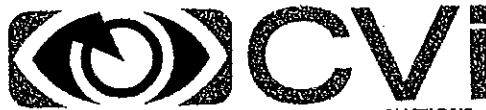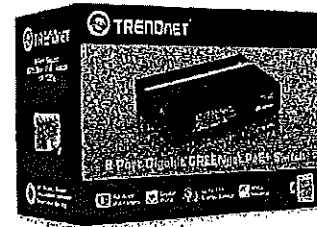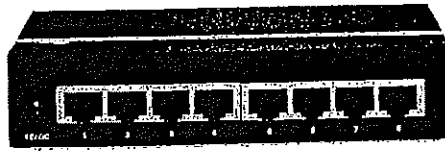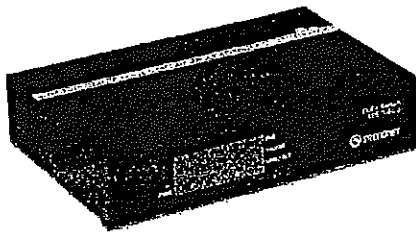
CLINIC OBSERVATION RECORDING SYSTEM
"CORS"
TRENDNET TPE-TG80G
8-PORT GIGABIT GREENNET POE+ SWITCH 123W

The TPE-TG80G 8-Port Gigabit GREENnet PoE+ Switch offers users 8 x Gigabit PoE/PoE+ ports, a 16 Gbps switching capacity, and a PoE power budget of 123W.

It supports IEEE 802.1p QoS, 802.3, 802.3u, 802.3x, 802.3ab, 802.3af, 802.3at, and 802.3az standards and Ethernet data transfer rates of 10 Mbps (half duplex) and 20 Mbps (full duplex), Fast Ethernet data transfer rates of 100 Mbps (half duplex) and 200 Mbps (full duplex), and Gigabit data transfer rates up to 2,000 Mbps (full duplex). Jumbo Frame technology also allows users to send larger packets, or Jumbo frames up to 9KB for increased performance.

This switch recognizes non-PoE, PoE, and PoE+ devices and will automatically supply the required amount of power. PoE devices receive up to 15.4W, while PoE+ devices receive up to 30W.

The full duplex ports found on this switch help to enable consistent data transfer. This switch also gives you more ports, thus allowing for increased connections. With an enhanced switching capacity, you will have the expanded ability to transfer more data faster.

Operates using 110 - 240 VAC at 50/60 Hz and 0.75A. It includes a 54 VDC / 2.77A power adapter.

Power Over Ethernet
Power Over Ethernet + 123W max output capability,
10/100/1000 Mbps Full Duplex PoE Ports

Plug and Play device. There is minimal configuration necessary to get the device up and running.

Diagnostic LEDs
   Diagnostic LEDs show the network status. LEDs display power, link/activity, and PoE/status.

VALT SERVER
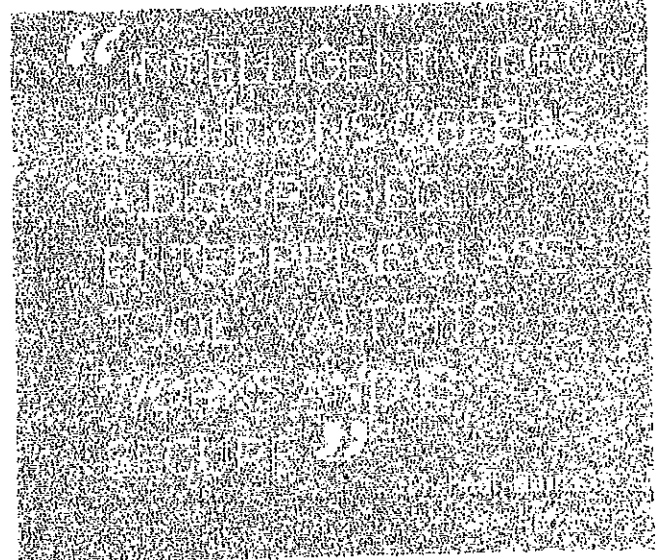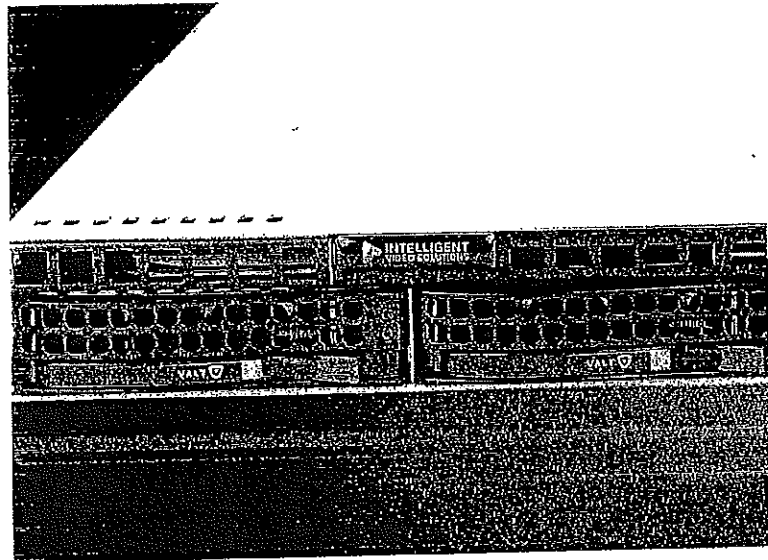
VALT servers are Tier One platforms featuring the industry's most trusted suppliers hand selected for video optimization and maximum uptime. Prior to leaving the manufacturing environment every component is tested, validated and burned in ensuring your VALT system is ready to perform out of the box.

Each server is meticulously prepared in our configuration center with VALT licensing and software to create a custom-built appliance for any size video observation and recording project.
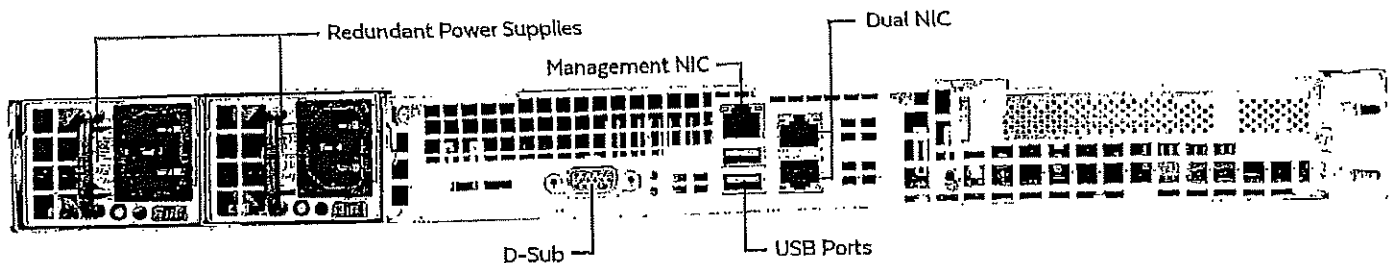
VALT SERVER

INTELLIGENT VIDEO SOLUTIONS
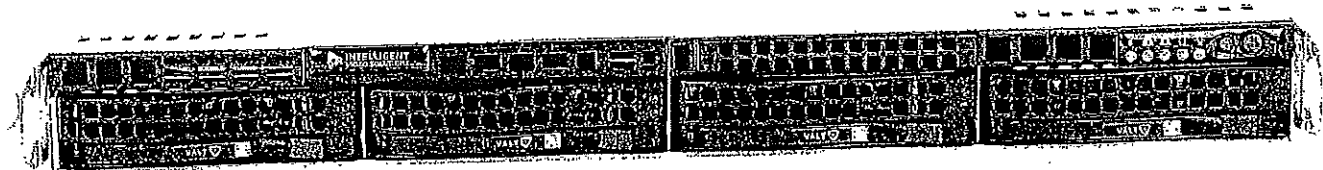
The R1X6S is 1U full-depth chassis featuring a single XEON E3-1230v5 CPU, 16GB RAM, RAID1 SSD OS/Application array and 6TB RAID5 video archive. This appliance is benchmarked to manage up to fifteen 1080p cameras offering 3,000 hours* of video archive.

TECHNICAL SPECIFICATIONS

MODEL NAME	R1X6S
FORM FACTOR	1U
CAMERAS	15
OS	UBUNTU SERVER
OS DRIVE	256GB SATA 6GBPS 2.5IN 120TBW
RAID OS	RAID1, COLD SWAP
STORAGE DRIVE	6 TB - SEAGATE 6GBPS SATA3 7200RPM 128MB 3.5IN
RAID STORAGE	RAID5, HOT SWAP
RAID CONTROLLER	LSI MEGARAID SAS 9361-4I SINGLE 12GBPS SAS3 1X SFF8643
# CPUS	1
CPU	E3-1230V5
CACHE	8 MB
CORES	4
THREADS	8
SPEED	3.4 GHZ
FAN	SUPERMICRO 40X40X28 MM, 17.5K RPM
HEATSINK	SUPERMICRO 1U PASSIVE HEATSINK
MEMORY	16 GB MICRON DDR4 2400MHZ
CASE	SUPERMICRO CSE-813MFTQ-R400CB ATX 1U
HEIGHT X WIDTH X DEPTH	1.7" X 16.8" X 25.5"
MOUNTING RAILS	OUTER RAIL, QUICK-RELEASE TYPE, 25.6
	INNER RAIL, FRONT, SHORT, QUICK-RELEASE TYPE
	INNER RAIL, EXTENSION (QUICK) FOR 1U 17.2
APPLIANCE WEIGHT	31LBS
SHIPPING WEIGHT	36LBS
MOTHERBOARD	SUPERMICRO X11SSL-F BULK C232 LGA1151 MATX
POWER SUPPLY	400W REDUNDANT SINGLE OUTPUT, W/PMBUS, GOLD LEVEL, 100-240VAC
HOURS	3,000*

Redundant Power Supplies — Management NIC — Dual NIC — D-Sub — USB Ports

All VALT Servers are backed by a 3 year depot repair** or component replacement warranty. To request warranty services please contact Intelligent Video Solutions by phone: 262-746-9290 or email: support@iplvs.com.

* Estimated retention hours for use with 1080P cameras for 720P cameras multiply by 2
** Onsite repair labor warranty may be added to any server on an annual basis, contact sales@iplvs.com for estimates. Additional information available at iplvs.com/products/#servers
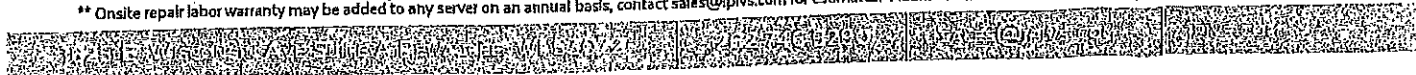
CVI

INTERACTIVE AUDIO VIDEO RECORDING SOLUTIONS

N66W38493 North Woodlake Circle, Oconomowoc, WI 53066

(262) 569-1986   www.cvisecurity.com   Fax: (262) 244-1495

PRESENTS

IR T2 INFRARED AUDIO TRANSMITTER

The SoundPlus® IR T2 commercial-grade, medium-area Infrared transmitter is ideal for our Instructor/Student Talk-back system, providing immediate, secure, "bug-in-the-ear" style wireless audio feedback when used with the RX-22 IR Wireless receiver in counseling rooms, conference rooms, classrooms and courtrooms.

FEATURES

- Up to 18,000 square feet (1673 m²) of coverage using high-efficiency infrared LEDs
- Two Phoenix-style line-level inputs and one 3.5mm microphone input
- Provides for one- or two-channel operation
- Flexible channels -- operating frequencies of 2.3/2.8MHz or 3.3/3.8MHz are supported in one unit. • Use both channels (A/B) for high-quality stereo output
- Compatible with Williams Sound infrared receivers (WIR RX18 and WIR RX22-4N)
- Commercial-grade design for indoor environments
- Easy-to-read power status and audio input indicators on rear panel
- Power-saving mode turns the unit off after no audio is present for 12 minutes.
- Wall/ceiling mount bracket included. Top or bottom mounting option.
- Phoenix-style connectors RS232
- Serial bus for integration with room control systems that monitor health of the unit, as well as control power and audio.

SYSTEM INCLUDES

- IR T2 Medium-area Infrared
- TFP 057 Power Supply (1) User Manual
- 5-year Warranty Transmitter
- BKT 024 Wall/Ceiling Mount
- IDP 008 ADA Wall Plaque

SPECIFICATIONS

- Dimensions: Width: 9" (22.9cm)
- Depth: 3.8" (9.7cm)
- Height: 1.4" (3.6cm)
- Weight: 0.84 lbs. (380g)

- Color: Black
- Power Supply: TFP 057 -- 100-240VAC 50/60Hz Input
- DC Power Input: 48VDC, 0.2A, Center Positive
- Power Indicator: Green LED
- Sleep/Power Save Mode: Shuts off carrier when no audio present for 12 minutes.
- Modulation: FM Wideband, ±50 kHz deviation max, 50 µS pre-emphasis
- Carrier Frequencies: 2.3MHz (Ch A) 2.8MHz (Ch B) or
- 3.3MHz (Ch A) 3.8MHz (Ch B)
- Coverage Area: Up to 18,000 square feet (1673 m²)
- Audio Inputs: Two (Channel A and B) line-level Phoenix style connectors and one 3.5mm microphone level input.
- Audio Indicators: One Yellow LED per channel. Lights up and stays on steady with minimum audio level. Signal-to-Noise Ratio: 70 dB at onset of limiting
- Frequency Response: 95 - 17.6 kHz ±3dB @ 1kHz Line Level 125 - 17 kHz ±3dB @ 1kHz Mic Level
- Temp Operating Requirements: 32° - 122°F (0 - 50°C)
- Regulatory Approvals: CE, FCC, Industry Canada, WEEE,
- RoHS, CB Scheme, RCM, PSE

WILLIAMS SOUND

A Division of Williams AV, LLC

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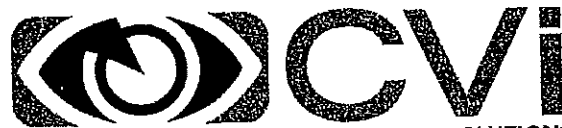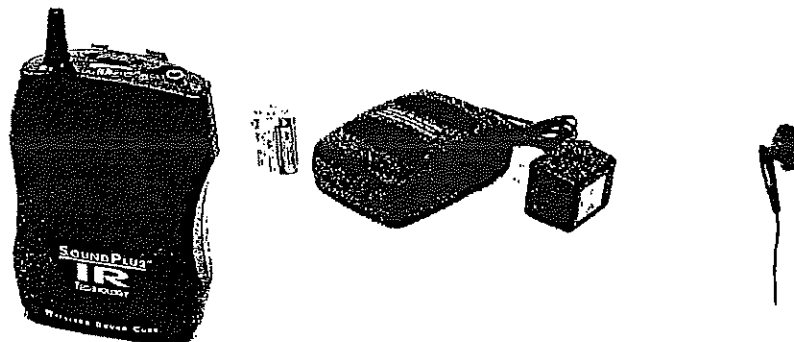
CVi
INTERACTIVE AUDIO VIDEO RECORDING SOLUTIONS

PRESENTS

WILLIAMS SOUND

WIR RX22-4 IR Receiver
Accessories: Rechargeable batteries, 2 unit charger, Headphone mic, Single ear-bud speaker

Exceptional audio quality / Maximum operating range

The WIR RX22-4 is a four-channel selectable, infrared receiver compatible with transmitters operating on the 2.3/2.8/3.3/3.8 MHz bandwidth.

Dual infrared detectors maximize sensitivity and operating range (range of up to 28,000 square feet in single-channel mode when used with a Williams Sound TX925 or TX90 infrared system).

Comfortable, body-pack design features convenient channel selector and easy-to-use on/off volume control.

The RX22-4 can be used with mono or stereo headphones, earphones or a neckloop (lanyard included).

5-year warranty.

Accessories: 2 Unit Charger, rechargeable batteries and single earpiece speaker,

Specifications

Receiver Style:	Body-Pack, dual-lens detector, lanyard
Size:	4.1" L x 2.85" W x 1.2" H (104.1 mm x 72.4 mm x 30.4 mm)
Weight:	4.5 oz (127 g) with batteries
Color and Material:	Black
Lanyard:	3 ft (.91 m), allows receiver to be worn around the neck
Operating Temperature:	-10° C to +50° C
Battery Type:	2 x AA, alkaline (BAT 001) or NiMH (BAT 026)
Battery Life:	Alkaline: 60 hours, NiMH: 30 hours/charge
Battery Drain:	25 mA, nominal
Charging Contacts:	For use only with CHG 3512
Carrier Frequency:	Channel 1: 2.3 MHz, Channel 2: 2.8 MHz Channel 3: 3.3 MHz, Channel 4: 3.8 MHz
De-Emphasis:	50 uS
FM Deviation:	±50 kHz
Signal-to-Noise Ratio:	60dB min.
Squelch:	Receiver squelches (mutes) at 40 dB S/N ratio
Frequency Response:	25 Hz to 16 KHz, +1 dB, -3 dB, electrical response
Total Harmonic Distortion:	Less than 1%, electrical response
Controls:	ON/OFF/VOLUME: combination thumbwheel knob Channel Selector: four-position rotary switch
Indicators:	Red LED "ON" indicator, flashes to indicate Low battery
Audio Output Jacks:	3.5 mm stereo mini phone jack Accepts 3.5 mm mono or stereo phone plug
Audio Output Power:	15 mW max at 32 Ω
Acoustic Output:	125 dB SSPL90 with HED 021; 110 dB SSPL90 w/ EAR 013
Sensitivity:	Better than 1 nW/cm2 for 40 dB signal-to-noise ratio
Approvals:	CE, FCC, RoHS, WEEE
Warranty:	5 years on receiver, 90 days on accessories
Compatible Headphones/Earphones:	Mono or stereo, 8-32 ohms, 3.5 mm mini phone plug, HED 021, HED 026, EAR 013, EAR 014, EAR 022, NKL 001
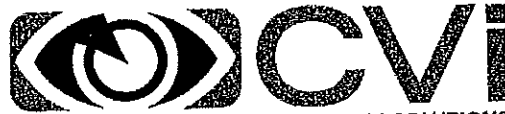
INTRODUCES
The LOGITECH USB HEADSET H340

A lightweight, plug-and-play USB headset that delivers crystal-clear, digital audio.
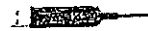
System Requirements

-
  - Windows® or Mac OS
  - USB port

Warranty Information

- 2-year limited hardware warranty

Package Contents

- USB headset
- User documentation

Part Number

- PN 981-000507

Technical Specifications

- Cable length: 6 ft/1.8m
- USB

Frequency response:

- Headset: 20 Hz – 20,000 Hz
- Microphone: 100 Hz – 10,000 Hz

Date: Wednesday, November 28, 2018		**ESTIMATE No:** 1811282

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INTERACTIVE AUDIO VIDEO RECORDING SOLUTIONS
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	New Britain, CT 06050	EIN	20-0354755
Phone:	860-832-2138		
Fax:			
Email	rwholt@ccsu.edu		
Cell:			

COST ESTIMATE

CENTRAL CONNECTICUT STATE UNIVERSITY

DEPT. COUNSELOR EDUCATION & FAMILY THERAPY

6 room, 6 Fixed Dome Camera
Clinic Observation Recording
System

Item No.	SYSTEM	Description	QTY	Unit Cost	TOTAL
OPTION 1	**PoE NETWORK SWITCH (in case PoE Switch not available)**				
A	TPE-TG80G	TRENDnet TPE-TG80G 8-Port Gigabit GREENnet PoE+ Switch 123W PoE Total Power	1	$ 180.00	$ 180.00
OPTION 2	**PHYSICAL NETWORK APPLIANCE SERVER (Alternative to item 4, aAbove)**				
B	10023	Model R1X6S, 1 U Rackmount Video Appliance - 6TB RAID 5 Storage - Intel E3-1230v6CPU; 16GB memory; Minimum Video storage - 3,000hrs w. 1080P res. Cameras, 4,000 hrs w. 720P res. Cameras: supports up to 15 cameras	1	$ 7,155.00	$ 7,155.00
C	10039	VALTBASE, Required all IVS VALT Appliances, Includes core VALT components and perpetual license of Wowza Streaming Engine	1	$ 1,800.00	$ 1,800.00
		TOTAL			$ 8,955.00
OPTION 2	**INSTRUCTOR/STUDENT TALK-BACK SYSTEM**				
D	IR TR2	Medium Area IR Transmitter	6	$ 477.69	$ 2,866.14
E	WIR RX22-4N	Body Pack, 4 Channel IR Receiver	6	$ 146.85	$ 881.10
F	BAT 026-2	Two(2) 1.2-volt AAA rechargeable NiMH batteries	6	$ 10.50	$ 63.00
G	EAR 022	Over-ear Earphone	12	$ 13.53	$ 162.36
H	CHG 3502	2 Bay, Drop-in Charger	3	$ 57.75	$ 173.25
I	H340	Logitech H340 Headset Microphone, USB	3	$ 45.00	$ 135.00
J	90050CV	Installation Labor	12	$ 120.00	$ 1,440.00
		Total			$ 5,720.85

NOTES:

Warranty: See Warranty (copy enclosed)

Assumptions: Client will run CAT5/6 cable from PoE Switch in local IT Closet to each Camera location
Client will install PoE switch in local closet for networking/powering cameras (See Option 1)
Client will install 110vAC Power outlet above camera near ceiling in each room requiring talk-back (Option 3)

System Installation includes: Above equipment, miscellaneous connectors, equipment installation and set-up by CVI Technicians

System Set-up & Training: Software set-up, Administrator and Clinician Training sessions by CVI Technicians

CVI Standard Terms & Conditions: Copy Enclosed

CVI Special Payment Terms: 100% on Completion and acceptance by Client

Quote Valid until: Monday, December 31, 2018

CVI

INTERACTIVE AUDIO VIDEO RECORDING SOLUTIONS

CENTRAL CONNECTICUT STATE UNIVERSITY

DEPT. COUNSELOR EDUCATION & FAMILY THERAPY

CLINIC OBSERVATION RECORDING SYSTEM

WARRANTY/SERVICE - SUPPORT

SOFTWARE SUPPORT EXPIRES - 3 years from date of installation completion

Description	Period	Part No.	Cost $
VALT SOFTWARE			
SOFTWARE ASSURANCE PACKAGE	Within 3 Years of Completion of Installation	N/A	Included in Estimate
Annual Software & Support Assurance (access to updates and Upgrades Unlimited phone support including software issues and education) for 6-15 Cameras. Includes Help Desk Support and followup by CVI	After Initial 3 Year Software Assurance Period	90028 CV	$ 2,250.00
HARDWARE			
PARTS REPLACEMENT by CVI	Within 3 Year Hardware Warranty Period		
Hardware – 2 Day Advance Parts Replacement (Repair by University IT staff)			Included in Estimate
SERVER REPLACEMENT	Within 3 Months of Completion of Installation	N/A	
Server replacement (7 Days) within 3 Months of Installation			
SERVER DEPOT REPAIR	After 3 Months from Completion of Installation		
Server repaired at Service Center after 3 months from Installation			
ON-SITE SERVICE - OTHER THAN SERVER	Within 3 months of Installation	N/A	Included in Estimate
On-Site Service by CVI - once diagnosis is complete and parts are confirmed as received, technician will be sent out within 3 business days between hours of 8:00am and 5:00pm site local time	After 3 Months from Completion of Installation	9004 CV	$375 + travel costs + any equipment not under Warranty