



The following documentation is an electronically-submitted vendor response to an advertised solicitation from the *West Virginia Purchasing Bulletin* within the Vendor Self-Service portal at ***wvOASIS.gov***. As part of the State of West Virginia's procurement process, and to maintain the transparency of the bid-opening process, this documentation submitted online is publicly posted by the West Virginia Purchasing Division at ***WVPurchasing.gov*** with any other vendor responses to this solicitation submitted to the Purchasing Division in hard copy format.

Header 1

[List View](#)

General Information

Contact

Default Values

Discount

Document Information

Clarification Request

Procurement Folder: 1512634

SO Doc Code: CRFQ

Procurement Type: Central Purchase Order

SO Dept: 0926

Vendor ID: 000000217193

SO Doc ID: PSC2500000003

Legal Name: BUSINESS INFORMATION SYSTEMS INC

Published Date: 10/7/24

Alias/DBA:

Close Date: 10/16/24

Total Bid: \$187,282.90

Close Time: 13:30

Response Date: 10/16/2024

Status: Closed

Response Time: 10:51

Solicitation Description: Hearing Room A-V Presentation Sys 201 Brooks St. Char. 25301

Responded By User ID: business22

Total of Header Attachments: 1

Total of All Attachments: 1

First Name: Bridgit

Last Name: Watkins

Email: accounting@bisdigital.com

Phone: 954-681-4512



Department of Administration
Purchasing Division
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

State of West Virginia
Solicitation Response

Proc Folder: 1512634
Solicitation Description: Hearing Room A-V Presentation Sys 201 Brooks St. Char. 25301
Proc Type: Central Purchase Order

Solicitation Closes	Solicitation Response	Version
2024-10-16 13:30	SR 0926 ESR10162400000002644	1

VENDOR
000000217193
BUSINESS INFORMATION SYSTEMS INC

Solicitation Number: CRFQ 0926 PSC2500000003
Total Bid: 187282.8999999999941792339086 **Response Date:** 2024-10-16 **Response Time:** 10:51:25
Comments:

FOR INFORMATION CONTACT THE BUYER
Larry D McDonnell
304-558-2063
larry.d.mcdonnell@wv.gov

Vendor		
Signature X	FEIN#	DATE

All offers subject to all terms and conditions contained in this solicitation

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	Hearing Room Audio Visual Presentation System	1.00000	LS	187282.900000	187282.90

Comm Code	Manufacturer	Specification	Model #
86141702			

Commodity Line Comments:

Extended Description:

One time purchase of a turn-key Audio Visual Presentation system for the PSC's main hearing room located at 201 Brooks Street Charleston, WV 25301. See attached pricing page.



Department of Administration
Purchasing Division
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

State of West Virginia
Centralized Request for Quote
Furniture

Proc Folder: 1512634			Reason for Modification:
Doc Description: Hearing Room A-V Presentation Sys 201 Brooks St. Char. 25301			
Proc Type: Central Purchase Order			
Date Issued	Solicitation Closes	Solicitation No	Version
2024-09-19	2024-10-08 13:30	CRFQ 0926 PSC2500000003	1

BID RECEIVING LOCATION

BID CLERK
DEPARTMENT OF ADMINISTRATION
PURCHASING DIVISION
2019 WASHINGTON ST E
CHARLESTON WV 25305
US

VENDOR

Vendor Customer Code:

Vendor Name : BIS Digital Inc

Address : 1350 NE 56th Street

Street : suite 300

City : Fort Lauderdale

State : FL

Country : Broward

Zip : 33334

Principal Contact : Peter Huddleston

Vendor Contact Phone: 800-834-7674

Extension: 4535

FOR INFORMATION CONTACT THE BUYER

Larry D McDonnell
304-558-2063
larry.d.mcdonnell@wv.gov

Vendor
Signature X

FEIN# 59-2210686

DATE 10/11/2024

All offers subject to all terms and conditions contained in this solicitation



West Virginia Public Service Commision (WV)

Request for Proposal (RFP)

West Virginia Public Service Commision Hearing Room AV

Due: 10-16-2024 01:30 PM

Mr. Larry McDonnell
201 Brooks Street 201 Brooks Street
Charleston WV 25301
(304) 558-2063
larry.d.mcdonnell@wv.gov



1350 NE 56th Street, Suite 300
Ft. Lauderdale, FL 33334



Sales: (800) 834-7674
Support: (800) 715-1234



Email: info@bisdigital.com
Web: www.bisdigital.com



Proposal Information

Title of Proposal:

West Virginia Public Service Commission Hearing Room AV

Proposal Total:

\$187,282.90

BIS Digital Proposal Reference ID:

P-2301165

Proposal Due Date:

Wednesday, October 16, 2024 01:30 PM

Request for Proposal (RFP) Number:

CRFQ PSC2500000003

Intended Recipient Name (Attention To):

Mr. Larry McDonnell

Drop-off Location (Building Name):

Public Service Commission Admin Building

Delivery Address:

201 Brooks Street 201 Brooks Street
Charleston WV 25301

Submitting Organization Information

Name:

Business Information Systems, Inc. DBA: BIS Digital

UEI Number:

L443F978GK46

Address:

1350 NE 56th Street, Suite 300
Fort Lauderdale, FL 33334

Phone:

(800) 834-7674
(954) 493-7377

Email:

sales@bisdigital.com

Account Manager Phone:

(800) 834-7674 x 4535

Website:

www.bisdigital.com

Fax:

(877) 858-5611

Statement:

BIS Digital certifies that we meet or exceed all the necessary requirements outlined in this Request for Proposal (RFP). Our responses to the RFP are truthful and accurate, and our pricing remains valid for the duration of this bidding process. We are confident in our ability to fulfill the requirements of this opportunity and look forward to the opportunity to work with your organization.

Account Manager:

Peter Huddleston

Date:

October 14, 2024



October 14, 2024

Mr. Larry McDonnell

201 Brooks Street 201 Brooks Street
Charleston WV 25301

larry.d.mcdonnell@wv.gov

Dear Mr. McDonnell,

Thank you for considering BIS Digital for your audio and video needs. We are pleased to submit our proposal in response to your request.

Attached to this proposal, you will find detailed information about our products and services, as well as pricing and terms. We believe that our proposal represents the best value for West Virginia Public Service Commision (WV), and we look forward to the opportunity to work with you.

If you have any questions or would like to discuss this proposal further, please do not hesitate to contact us.

Sincerely,

Peter Huddleston
Account Manager
peter.huddleston@bisdigital.com



Proposal Terms and Conditions

Proposal ID	P-2301165
Effective Period	This proposal is valid through the date required by the requesting organization.
Tax Status	Sales tax will be added to an invoice unless a Tax-Exempt Form is on file with the BIS Digital corporate office.
Deposit	All orders above \$5,000 require a 50% deposit. Once the deposit for an order is received by BIS Digital, installation scheduling and shipment of goods will occur.
Payment Terms	Payment for the delivery of goods is due upon the transfer of possession of the goods to the buyer or its agent. Payment of services is due when all services have been fully performed in accordance with the terms of the agreement. The buyer shall promptly inspect the goods or services upon receipt and shall notify BIS Digital of any defects or non-conformities. An ACH number will be provided for payment.
Cancellation	<p>In the event a customer cancels or postpones an order after a deposit has been received, BIS Digital reserves the right to invoice for hardware, software, shipping costs, and any other materials procured for the order.</p> <p>Restocking Fee: A 20% restocking fee will be charged for all canceled orders.</p>
Limited Warranty	New software supplied by BIS Digital are covered for 90 days from the date of installation. New hardware supplied by BIS Digital are covered for 90 days from the date of delivery. Manufacturer Warranties do not cover On-Site Technical Support, Shipping costs, or Software upgrades.
Software Assurance	Annual Software Assurance entitles users to software upgrades at a fixed fee assessed at time of purchase.
Substitutions	Unforeseen supply chain disruptions or component shortages may impact the availability of goods. As a result, some items may require substitution and may be subject to price and/or delivery time variances. In these instances, BIS Digital will consult with the customer about options and alternatives.



Proposal P-2301165 Accepted By

Full Name (Print):

Title:

Signature:

Date:

PLEASE NOTE:

By signing above and or providing a purchase order number below, your organization is agreeing to the appended scope of work, pricing, disclaimers, terms, and conditions, and is authorizing BIS Digital, Inc. to order, install, and bill for ALL materials and applicable services listed in this proposal: P-2301165.

Accounts Payable Information

Full Name (Print):

Phone Number:

Email Address:

Fax Number:

Purchase Order Required for Purchasing?

Purchase Order Number:

YES

NO



Company Overview

BIS Digital has been in the audio and video industry since 1982 and possesses a wealth of experience in providing integrated solutions for entities of all sizes. Headquartered in Ft. Lauderdale, Florida, the company has over 90 employees with direct sales and service representatives throughout the US.

Our primary business is the sale, service, and support of multi-channel digital audio/video recording software for the judicial and courtroom systems; city/county governments; public safety and interview rooms; and private enterprises. Other areas of expertise include software-based enterprise room control, AV electronic hardware and software integration, video presentation technology and tv broadcast systems, and digital sound/audio reinforcement.

In addition to our comprehensive AV solutions, we provide a range of video conferencing options for remote video arraignment and other court conferencing needs, in either hosted or non-hosted formats. We also offer remote language translation connectivity and digital dictation, as well as meeting agenda automation, live streaming, web hosting, and on-demand systems. From concept to completion, we have provided these technologies to over 6,000 customers.

The strategic direction for BIS Digital has been to develop solutions that operate in an open architecture environment, are user-friendly, and can be accessed on PCs, tablets, and smartphones. We work with award-winning manufacturers to design fully integrated AV capabilities for optimal workflow and efficiency. All our solutions are developed to work seamlessly with our core DCR audio and video recording software and any current case management software being utilized in the courts and other spaces today.

As such, our team has a deep understanding of the unique requirements in these settings and the importance of reliable and effective AV systems. Our priority is to work closely with our clients to ascertain their specific needs and design a system that meets them. With that said, to us, technology integration and support is more than a project. It's a partnership. It's why we also offer ongoing maintenance and support for our AV systems, as well as providing training and technical assistance to users. We strive to build long-lasting relationships with our clients and exceed their expectations at every opportunity.

Corporate Data

Years in Business

43

Number of Employees

90

Geographic Reach

US + 6 Countries

Certifications

BIS Digital is a Certified Reseller and Authorized Support Agency for the following manufacturers (including but not limited to):

- ASC
- Ashly
- Atlona
- Audio-Technica
- Axis
- Biamp
- Dante
- Extron
- Philips
- QSC
- Shure
- Sony
- Televic
- Williams Sound
- WolfVision

Owner / CEO

Steve Coldren

Vice President

Kirk Ambrose

CFO

Isabel Valle

Manager of Operations

Gary Jones

Regional Sales Director

Jade Coldren

Account Manager

Peter Huddleston

System Engineer

Matt Chetcuti

Project Manager

Rosie Socolovitch



Disclaimer: Shipping and Handling

Shipping Information and Requirements

By engaging in our shipping services, customers are obligated to provide precise shipping contact information. This includes the first and last name, title, phone number, and email address of the individual designated to oversee shipping logistics. Customers must also explicitly state whether their location possesses a designated dock for receiving shipments. This information is crucial for planning to ensure the most efficient and timely delivery method.

Direct Shipments from Manufacturers

BIS Digital reserves the right to dispatch particular items, such as monitors and specific components, directly from the manufacturer. While this approach may result in separate arrivals from bundled systems, it is essential to secure timely deliveries and the uncompromised condition of individual components. Rest assured, we manage this process to minimize any potential disruption to your project.

Shipping Costs

The expenses associated with shipping and handling will be determined according to project-specific requirements. Customers will receive a set price for these costs included in a Bill of Materials prior to proceeding with any shipment. Our objective is to maintain cost-efficiency while upholding the highest standards of care for your equipment.

Shipping Schedule and Tracking

BIS Digital collaborates closely with customers to establish a shipping schedule that aligns with project timelines. Timely delivery is a paramount commitment, and customers will be kept informed of the shipping status through proactive communication. Additionally, when applicable, customers will be granted access to tracking services and notifications, affording them the means to monitor the status of their shipments, thereby facilitating appropriate preparation for the arrival of their AV equipment.

Disclaimer and Contact Information

This Shipping and Handling Disclaimer serves as a general guideline for our shipping and handling procedures. BIS Digital is firmly committed to addressing specific inquiries or concerns regarding shipping in a prompt and efficient manner, all with the overarching goal of ensuring a seamless and expedient shipping experience for your AV equipment. Should you require further clarifications, have concerns, or need additional assistance, we encourage you to reach out to our dedicated support team.

Does the delivery site include lockable storage?

N/A – Lockable storage not needed for this scope.

Is the delivery site equipped with a loading dock?

N/A – Loading dock not needed for this scope.

By signing below, I certify that I am an authorized signer for West Virginia Public Service Commission (WV) and have reviewed and approved BIS Digital's Shipping and Handling Disclaimer. I understand that this disclaimer provides a general overview of shipping expectations and agree to hold BIS Digital harmless from liability arising from third-party carrier errors, damages, or delays. Furthermore, I acknowledge that if specific shipping instructions, such as address details, carry-in delivery, or attention-to information, are required, I will promptly forward these instructions to the designated account manager for implementation. I also recognize that any delays in providing accurate shipping information may result in project delays, and I accept responsibility for mitigating such delays by promptly addressing any shipping-related requirements.

Client Name _____ Signature _____ Date _____

BIS-4000109 - Installation (I)

Rep Name: Peter Huddleston

Date: 10-02-2024

West Virginia Public Service Commision (WV)

By signing below, I certify that I am an authorized signer for West Virginia Public Service Commision (WV) and have reviewed and approve the Scope of Work provided by BIS Digital. I understand that this Scope of Work defines the equipment requirements for the project, and certify this document accurately captures the needs of my organization. I also acknowledge that any changes to the Scope of Work must be approved in writing by all parties involved.

Client Name _____ Signature _____ Date _____

Installation (I) Description / Notes:

West Virginia Public Service Commision wants a turnkey A/V Presentation system. BIS is responsible for all permits and Licenses to perform work. Work must be done between the hours of 8 to 5. BIS is responsible for cleaning up after project is complete. BIS must provide the following items: 21 18" Gooseneck Microphones with LED lighting and 24" of cable. Microphones must be able to be controlled via a control panel. Controls are raising or lowering Volumes or muting. Four Wireless (2 Lapel and 2 XLR) rechargeable microphones. 15 Ceiling speakers that can be controlled by control panel to turn on and off, all speakers activated and Zone activation. Audio Output must also be sent to Hearing Assisted system that is included in our proposal. 2 wall mounted speakers placed in the lobby for overflow situations that can be controlled by Control Panel. Audio Output must also be sent to Hearing Assisted system. 6 Video Cameras pointed at the following areas 1. Back to front of Room 2 Commision Bench. 3. Witness. 4 Attorney Bench Right. 5 Attorney Bench Left 6. Gallery. Each camera must be able to be controlled through control panel to turn off/on and automatically zoom in to active/live microphone either automatically or manually. Each camera must have a feed that can be encoded for web streaming. 2 video projectors are not needed the Video comes directly from our system to 85" Displays that we are providing in our proposal. 1 Presentation system with 12 HDMI 2.0 Type A inputs with audio, that has a HDMI connection for laptop connection and can be controlled from Control Panel. 2 Control Panels that can be operated over a Lan connection. One Panel will be fixed on Commissioners table and the other one wireless that can be operated anywhere in the room. See RFQ page 37 for control Functions. Audio and Video must integrate with Video Conferencing solution and must be independent of Web broadcast output. 1 document Camera that can be turned Off/On by Control panel and be a source for presentation through Control Panel as well. 1 High resolution audio and video CD/DVD Video Network Streamer that can be controlled by control panel and selectable as a presentation source through control panel. 2 Audio Press boxes and wall plates. 5 cable runs. 8 HDMI wall cable mounts under benches.

System:

Courtroom

Multiple Rooms?

No – This scope does NOT consider multiple rooms.

Applicable Room Name(s):

Hearing Room

Will any BIS Digital provided equipment need to match existing equipment?

No – All BIS Digital provided equipment can be standalone and does not need to match any existing equipment.

System Training Required?

Yes – BIS Digital Technicians will train end users on using the installed system.

VOIP / SIP / VTC:

- PolyCom

Will BIS Digital provide ongoing support?

On-Site Support with Hardware Replacement

Audio Sources:

	Location	Status	Placement	Type	Make/Model	Record Channel	Public Address	Stream Online	Use in VTC	Chairman	Voting	Request to Speak
A1	Dais	Provide 3 New	Desk-sitting	18" Gooseneck			✓	✓	✓			
A2	Attorney Table 1	Provide 8 New	Desk-sitting	18" Gooseneck			✓	✓	✓			
A3	Attorney Table 2	Provide 9 New	Desk-sitting	18" Gooseneck			✓	✓	✓			
A4	Witness	Provide 1 New	Desk-sitting	18" Gooseneck			✓	✓	✓			
A5		Provide 2 New	Other (see notes)	Hand-held Mic (Wireless)								
A6		Provide 2 New	Other (see notes)	Lavalier Mic								
A7		Use 1 Client-Provided	Other (see notes)	VTC Audio Feed								

Audio Destinations:

	Location	Status	Type	Zone	Make/Model
S1	Gallery	Provide 15 New	In-ceiling Speaker		
S2	Lobby 1	Provide 2 New	Wall-mounted Speaker		
S3	Gallery	Provide 1 New	Assisted Listening System		

Video Sources:

	Location	Status	Placement	Type	Make/Model	Cam Shot	Cam Dist. to Target	Cam Target	Record Channel	Route to NVR	Stream Online	Use in VTC
V1	Gallery	Provide 6 New	Ceiling-mounted	PTZ IP Camera								

Displays:[illegible]

User Control Interfaces:

[illegible]

Additional Equipment:

	Location	Status	Make / Model	Ports Available
Amplifier	Rack	Provide 1 New		
Assisted Listening System	Gallery	Provide 1 New		
DSP/Mixer	Rack	Provide 1 New		
Network Switch	Rack	Provide 1 New		
Power Conditioner	Rack	Provide 1 New		
Presentation System	Rack	Provide 1 New		
Video Distribution Amplifier	Rack	Provide 1 New		

Rack:

	Location	Status	Type	Access	Conduit	Units Available
Rack 1	Rack Room	Provide 1 New	Enclosed	Indirect (adjacent room)	Existing	12U

Did the client confirm relocating rack or equipment may require new cable runs for existing equipment as applicable?

No -- Client did NOT confirm.

Is the client planning to record with DCR?

No -- DCR recording is not required in this system.

Will the system be installed as part of a construction or renovation project?

No -- System will be installed with Existing Infrastructure.

Is there a Network Approval Process?

No

Will an IT Administrator or someone with knowledge of the network be available throughout the project?

No -- Client did NOT confirm.

Approximate Number of Training Days:

0.63

System Training Hours:

	Estimated Hours
DCR	0
DCR-VC	0
DCR Player	0
Web Access / Network Monitor	0
Room Control	7.50
Evidence Presentation	7.50
Other (see notes)	0
Total	15

Is there any conduit available?

N/A – Conduit not needed for this scope.

Is there access above the ceiling?

Yes – BIS Digital can access areas above ceilings on-site as needed.

Is there any ceiling height on-site greater than 14 feet?

No – Ceiling heights at all locations are below 14 feet.

Is there known asbestos?

N/A -- The presence of asbestos does not impact the scope of this system.

Will cables be run in-wall?

Yes -- Existing infrastructure will support running cables in-wall.

Will cables be run on floor with coverings?

N/A -- Cables will not be ran across the floor for this scope.

Will equipment be mounted on walls, ceilings, or floors as needed?

Yes -- Existing infrastructure will support mounted equipment.

Did the client confirm that installation structures will support installed equipment as applicable?

No – Client did NOT confirm.

Is there a loading dock?

N/A -- Loading dock not needed for this scope.

Is there adequate, lockable storage available to store ALL equipment needed for the installation?

N/A -- Lockable storage not needed for this scope.

General Scope of Work Description for Installations

BIS Digital is committed to delivering high-quality AV systems that meet the needs of our clients; our Scope of Work process is an integral part of this commitment. Please note that this document is intended as a preliminary assessment only and may be subject to a final technical assessment of your requirements. Its use is limited to the purpose of allowing you to verify, via signature, whether the listed equipment, software, and installation needs were accurately recorded. The final implementation of equipment and functionality may vary due to factors including but not limited to: budget, infrastructure, and manufacturer constraints. This document does not provide any implied or express warranties, and BIS Digital accepts no liability for any reliance on the information contained within it beyond its intended purpose as an initial work assessment. Unless otherwise specified, the following section lists BIS Digital and client responsibilities for a standard installation.

BIS Digital will be responsible for the following:

- Provision of all necessary labor, supervision, tools, equipment, materials, services, testing, and other expenses for the successful installation and delivery of a complete and operable A/V solution.
- Performance of all work as described in the scope of work, including installation and testing of specified equipment and final circuit terminations in the head-end equipment racks.
- Project management, personnel, supervision, staff, labor, installation planning, scheduling, documentation, installation quality, and testing devices as required to complete the work.
- Furnishing of specified equipment, with the caveat that BIS Digital reserves the right to bill for equipment as stored materials when delivery or installation is not possible.
- Recommendation for the installation of dedicated electrical power at the head-end, end-user equipment, or at the location of final control(s).
- Production of deliverables and any substitutions on a schedule established under a purchase agreement.

The client will be responsible for the following:

- Preparation of the installation site, including but not limited to carpentry, network connection installation, and electrical work.
- Provision of scaffolds, ladders, or high-reach equipment for installation work in ceilings over 14 feet. BIS Digital will quote rental equipment as needed or upon request.
- Responsibility for any external noise or factors creating noise within the systems not exposed by installed electronic equipment.
- Ensuring that installation structures will support the weight of equipment, including but not limited to wall-mounted displays, hanging loudspeakers, and equipment racks.
- If required, customer-provided contractors will be responsible for the provision, hanging, and installation of all rigid electrical junction boxes, AC power, relay switches, conduits, and any structural reinforcement means as required for the proposed systems.

By signing below, I certify that I am an authorized signer for West Virginia Public Service Commission (WV) and have reviewed and approve the Scope of Work provided by BIS Digital. I understand that this Scope of Work defines the equipment requirements for the project, and certify this document accurately captures the needs of my organization. I also acknowledge that any changes to the Scope of Work must be approved in writing by all parties involved.

Client Name _____ Signature _____ Date _____

Disclaimer: Shipping and Handling

Shipping Information and Requirements

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Direct Shipments from Manufacturers

BIS Digital reserves the right to dispatch particular items, such as monitors and specific components, directly from the manufacturer. While this approach may result in separate arrivals from bundled systems, it is essential to secure timely deliveries and the uncompromised condition of individual components. Rest assured, we manage this process to minimize any potential disruption to your project.

Shipping Costs

The expenses associated with shipping and handling will be determined according to project-specific requirements. Customers will receive a set price for these costs included in a Bill of Materials prior to proceeding with any shipment. Our objective is to maintain cost-efficiency while upholding the highest standards of care for your equipment.

Shipping Schedule and Tracking

BIS Digital collaborates closely with customers to establish a shipping schedule that aligns with project timelines. Timely delivery is a paramount commitment, and customers will be kept informed of the shipping status through proactive communication. Additionally, when applicable, customers will be granted access to tracking services and notifications, affording them the means to monitor the status of their shipments, thereby facilitating appropriate preparation for the arrival of their AV equipment.

Disclaimer and Contact Information

This Shipping and Handling Disclaimer serves as a general guideline for our shipping and handling procedures. BIS Digital is firmly committed to addressing specific inquiries or concerns regarding shipping in a prompt and efficient manner, all with the overarching goal of ensuring a seamless and expedient shipping experience for your AV equipment. Should you require further clarifications, have concerns, or need additional assistance, we encourage you to reach out to our dedicated support team.

Does the delivery site include lockable storage?

N/A – Lockable storage not needed for this scope.

Is the delivery site equipped with a loading dock?

N/A – Loading dock not needed for this scope.

By signing below, I certify that I am an authorized signer for West Virginia Public Service Commission (WV) and have reviewed and approved BIS Digital's Shipping and Handling Disclaimer. I understand that this disclaimer provides a general overview of shipping expectations and agree to hold BIS Digital harmless from liability arising from third-party carrier errors, damages, or delays. Furthermore, I acknowledge that if specific shipping instructions, such as address details, carry-in delivery, or attention-to information, are required, I will promptly forward these instructions to the designated account manager for implementation. I also recognize that any delays in providing accurate shipping information may result in project delays, and I accept responsibility for mitigating such delays by promptly addressing any shipping-related requirements.

Client Name _____ Signature _____ Date _____



Disclaimer: Client-Initiated Modifications and Post-Installation Changes

This document serves as a disclaimer by BIS Digital, Inc. to address concerns regarding client-initiated modifications and changes made to audiovisual systems during or post-installation. We urge all clients, their respective staff, and any applicable third-parties, to carefully review and understand the following points.

Responsibility for Modifications

BIS Digital takes pride in delivering high-quality audiovisual systems and solutions that are carefully designed, installed, and configured according to the client's specific needs and requirements. Any modifications, alterations, or changes made to the installed systems by the client or their staff after the completion of installation are outside the scope of our original service and responsibility.

Risk and Implications

Clients are advised that making unauthorized modifications to the audiovisual systems, including hardware and software, may result in compatibility issues, operational errors, and system malfunction. BIS Digital shall not be held responsible for any issues or damages that may occur due to these client-initiated modifications.

Client Decision-Makers

We encourage clients to designate responsible individuals who will oversee and approve any changes or updates to the audiovisual systems, and who understand the potential consequences of unauthorized modifications.

Client Communication

In the event that clients intend to make changes or upgrades to the installed systems, we kindly request that they notify BIS Digital in advance. This will allow us to assess the proposed changes for compatibility and potential impacts on the system.

Warranty and Support

Our standard warranty and support services apply to the audiovisual systems as they were originally installed and configured by BIS Digital. Any client-initiated modifications may void these warranties and may incur additional charges for repair or maintenance.

Dispute Resolution

In the event of disputes arising from client-initiated modifications and their impact on the audiovisual systems, BIS Digital is open to engaging in a constructive dialogue to find mutually acceptable solutions. However, the ultimate responsibility for such modifications rests with the client.

Acknowledgment

By continuing to use or make changes to the audiovisual systems installed by BIS Digital, clients acknowledge their understanding and acceptance of this disclaimer.

Contact Information

For any questions, concerns, or inquiries related to this Disclaimer, please contact BIS Digital through our official channels.

Please note that this disclaimer is a fundamental aspect of our service agreements. BIS Digital is committed to delivering exceptional AV solutions and ensuring the longevity and functionality of our installations. We appreciate your cooperation in preserving the integrity of our work.

Client Site Preparation Checklist

As part of delivering a seamless experience, there are a few things clients can do ahead of time that greatly impact the speed and efficacy of an on-site or remote installation. In either instance, BIS Digital highly recommends reviewing the client checklist provided below and completing all applicable items within the timeframes listed should you choose us as your technology partner. If you have any questions about the items on this list, please don't hesitate to contact your account manager or call us directly at (800) 834-7674.

At least 30 Days Prior to Installation Date:

- ☐ Identify the location where the AV equipment will be installed and ensure that it meets the necessary specifications, including proper power and electrical outlets, HVAC, lighting, and structural support.
- ☐ Provide BIS Digital with a comprehensive list of all existing AV equipment and systems that will be integrated with the new equipment, including make and model numbers.
- ☐ Ensure that all necessary software and firmware updates have been performed on existing equipment.
- ☐ Ensure that all required permits and licenses have been obtained, including those related to construction or renovation work as applicable.
- ☐ Ensure that any necessary network infrastructure is in place, including existing routers, switches, and firewalls.
- ☐ Provide BIS Digital with any applicable IP addresses to ensure that the AV equipment is properly configured to integrate with the network.
- ☐ Ensure that the appropriate personnel are present during the installation, including facilities personnel, IT personnel, and any other key stakeholders.
- ☐ Establish a clear communication plan with BIS Digital to ensure that any issues or concerns that arise on-site are promptly addressed.
- ☐ Coordinate with BIS Digital to schedule any necessary training sessions for end-users to ensure that they are familiar with the AV equipment and its functionality.

If Archiving Recordings to a Network Path:

- ☐ Create a dedicated folder on the network for recording files.
- ☐ Ensure the Universal Naming Convention (UNC) path is available for that folder.
- ☐ Ensure each recording PC will have network access to this path.
- ☐ Ensure user logging into a recording computer will have read/write access to this path.

Day Before Installation:

- ☐ Provide BIS Digital with any necessary access codes or keys to the installation site.
- ☐ Ensure any pre-shipped equipment is accounted for and accessible to the technicians on site.
- ☐ Ensure any existing computers will be in proper working order, free of viruses, have internet access, and be in the place where they will be used.
- ☐ Provide BIS Digital with any necessary user credentials and network access information to ensure that the AV equipment is properly integrated with the network. If this cannot be provided, please ensure someone with administrator rights will be available during the installation.

Note on Recording Storage:

The DCR recording software can write files to multiple locations simultaneously. BIS Digital will create a C:\DCR Recordings folder on the local recording computer as the primary storage method. A mirror copy can be written to a network, external HD, flash drive, SD card, or CD/DVD. Mirroring to a network location is the preferred method. When mirroring to a network path, any user that intends to record audio/video will also need read/write/modify access to this network path so that the files can mirror successfully. When considering storage methods, BIS Digital recommends revisiting state or local government requirements for long-term storage.

If Archiving Recordings to a CD/DVD:

- ☐ Ensure any existing CD/DVD burners meet BIS Digital specifications, function properly, and be installed at each recording computer.
- ☐ Ensure any applicable CD/DVD writing software is installed unless purchasing from BIS Digital.
- ☐ Provide a sample of writable media for testing/training and going live with the system. CD-R and DVD +R are the supported disk types.

Disclaimer: Standard Training

The scope of training provided by BIS Digital is limited to the standard operation and maintenance of the equipment as outlined in this scope of work and in accordance with the manufacturer's requirements. Training is intended to equip end-users with the knowledge necessary to independently and effectively operate the integrated audiovisual systems.

Our training sessions are conducted by an installing technician who is most knowledgeable about the specific system, especially in cases where adjustments or modifications have been made due to unforeseen conditions on-site. This ensures that users receive tailored, accurate, and up-to-date information regarding their AV system.

The estimated total hours of training, as listed in the table below, are calculated under the assumption that each user will be trained individually. This approach is adopted because BIS Digital recognizes that end-user availability for training may vary significantly. However, we can accommodate group training sessions for efficiency. Please note that group sizes are generally limited to no more than five (5) people to ensure the quality and effectiveness of the training.

Please be aware that our training sessions are standardized and may not accommodate specific learning disabilities or impairments. Our technicians are not certified trainers and are unable to provide specialized training for such cases. If any subset of client users requires special accommodations due to learning disabilities or impairments, we strongly encourage a "train-the-trainer" approach with the client. This means that the client should designate an individual or individuals within their organization to receive the standard training and then provide tailored training or support to those with specific needs.

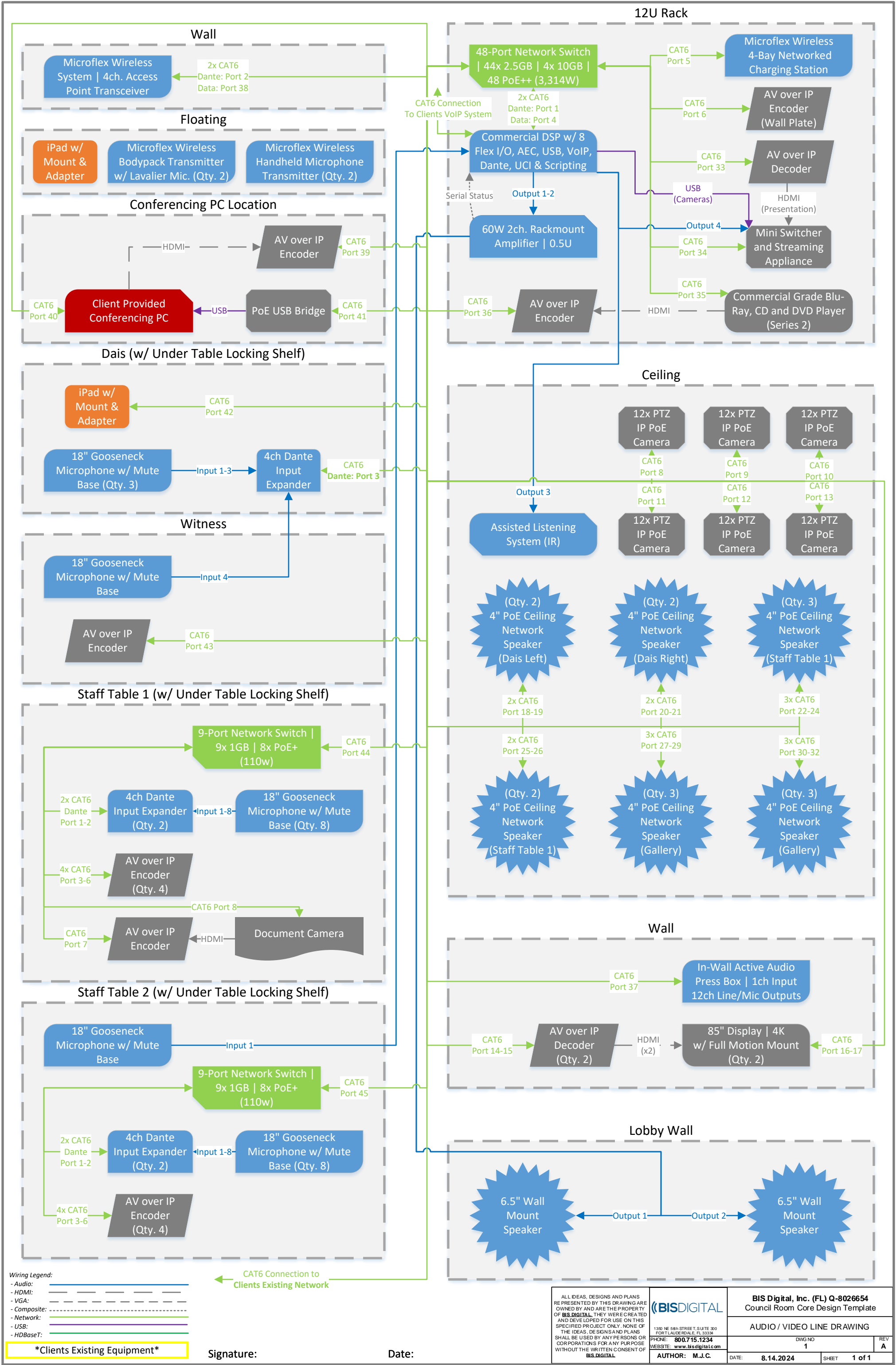
While every effort is made to provide comprehensive training, BIS Digital shall not be held liable for any errors, omissions, or issues arising from the use of the integrated audiovisual system following training. Users are encouraged to seek additional support or clarification if necessary.

By proceeding with training services provided by BIS Digital, you acknowledge that you have read and understood this disclaimer, and you agree to abide by the terms and conditions stated herein. If you have any questions or concerns regarding our training services or this disclaimer, please do not hesitate to contact us.

	Estimated Hours	Number of Users
DCR	0	0
DCR-VC	0	0
DCR Player	0	0
Web Access / Network Monitor	0	0
Room Control	7.50	5
Evidence Presentation	7.50	5
Other (see notes)	0	0
Total	15	

Estimated Number of 8 Hour Training Days in Addition to Installation (as Facilitated by 1 Technician):

0.63



Key System Technology

Room Control

BIS Digital provides room control systems to improve the efficiency and convenience of managing multiple systems and devices in a space. With a centralized touchscreen interface, users can easily access and control the various systems and devices in a room, without the need to navigate through multiple separate controls or interfaces. This can help to reduce the time and effort required to set up and manage a space, and it can also help to improve the overall user experience. For instance, in a courtroom, clients may want to be able to control the lighting, temperature, and audio-visual systems from the touch screen, or they may want to be able to access legal documents or other materials from a central location. Similarly, in a council room, clients may want to be able to control the lighting, temperature, and audio-visual systems, as well as access agendas, reports, and other documents from the touchscreen interface. BIS Digital customizes the user controls with the specific functions and features outlined in the scope of work.

Digital Signal Processor

Digital Signal Processors (DSPs) are specialized computers that are used to process and manipulate signals in real time. This is achieved through algorithms that can analyze and manipulate audio in a variety of ways. For example, a DSP might be used to adjust the volume of an audio signal, remove background noise, or cancel out echoes. They are an essential component of many BIS Digital provided audio systems and are used in a wide range of applications including but not limited to courtrooms, council chambers, police stations, and conference rooms.

BIS Digital provides DSPs that offer advanced processing capabilities and a range of connectivity options, particularly where clear, intelligible audio is critical. Specifically, most of our DSPs will handle up to 64 channels of audio and support a range of audio signal types, including analog, digital, and networked audio, such as voice over internal protocols (VOIP) or Dante.

Assisted Listening System

An assisted listening system is designed to help people with hearing loss or other auditory impairments to better hear and understand speech and other sounds in their environment. In a large room, these systems typically consist of one or more receivers worn by the listener(s), which wirelessly receive a signal from a transmitter connected to the in-room microphones. The receiver amplifies the sound and delivers it directly to the listener's ear. Some assisted listening systems also have additional features, such as noise reduction and speech enhancement, to improve the listening experience. They are often used in settings such as classrooms, meetings, courtrooms, council rooms, and places of worship to help people with hearing loss to more easily participate in these events. BIS Digital special orders assisted listening equipment per the requirements outlined in the scope of work.

Document Camera

A document camera, also known as a visual presenter or visualizer, is a device that is used to display physical documents, objects, or other materials on a screen or monitor for the purpose of sharing them with an audience. BIS Digital typically supplies document cameras that consist of an articulating stand or arm with a camera mounted on top, which is positioned above the document or object that is being displayed. The camera captures an image of the document or object and displays it on client-specified screens in real time, allowing people to see the details of the material being presented.

Installation Overview

BIS Digital is committed to delivering high-quality AV systems that meet the needs of our clients; our installation process is an integral part of this commitment. The following section is a general overview of the steps we take to ensure a seamless experience. Note: The final schedule is determined with the client after a proposal is accepted and a purchase order is received.

Our installation process begins with careful planning and design to ensure that the AV system meets the needs of the end users and is properly integrated into the space. This includes conducting site surveys to assess the physical space and infrastructure, as well as working with clients to understand their specific needs and requirements. In circumstances where we are not able to conduct a technical walkthrough pre-quotation or believe the project would benefit from an additional review, we will coordinate a site survey at the client's earliest convenience. This allows us to properly assess the physical space and infrastructure, and solidify whether any site preparations need to be made in advance, such as providing lockable storage or installing power outlets as needed to support the AV system. Product orders will commence immediately following this final site review meeting and can take 2-3 weeks, depending on manufacturing and shipping times.

Once the site is prepared, BIS Digital will connect and configure all hardware and software components of the AV system. All work will be performed by BIS Digital Technicians only, with no subcontractors. This may include installing and configuring audio processors, amplifiers, and control systems, as well as integrating the AV system with other building systems as applicable. Installation times can range from two days to two weeks per room depending upon the complexity of the system and environment. Custom programming and support will be provided by BIS Digital programmers, who will be available throughout the installation period and for routine performance upgrades and maintenance through remote service. BIS Digital follows all local building codes and regulations when performing work and ensures that all components are installed safely and securely.

After all elements are installed and tested, our technicians will provide user training to ensure that all end users are comfortable operating the AV system. The scope of training will vary depending on the complexity of the project and the number of users who need to be trained. This may include hands-on training sessions, demonstrations, and the creation of user manuals or other documentation as needed. Ongoing training can also be provided through an on-site service or remote service agreement if desired. Our goal is to ensure that all end users have the knowledge and skills they need to effectively use and maintain the AV system.



Support and Service Overview

At BIS Digital, we are committed to meeting our customers' service and support requirements and honoring all product warranties. We also offer comprehensive maintenance programs that include on-site and remote support, service, and training in addition to warranty fulfillment. Complete details are available upon request.

We have a 24/7 toll-free service hotline staffed by experienced technical service representatives, as well as options for placing service calls directly on our website or by phone. In most cases, we can resolve issues over the phone or in a video conference, but there may be times when an on-site visit is necessary. We use hosted customer relationship management (CRM) software to track the performance of our supported systems and our customers' services. Our technicians receive service calls through our internal service coordinator, and the cost of service coverage depends on the customer's service agreement. When a service call is completed, an automated email is sent to the customer with the results.

To ensure that we're responding quickly and efficiently to our customer requests and service issues, we've also implemented a Service Level Management Escalation Policy that outlines how we handle different levels of severity and how we communicate with our customers. Sometimes, we may need to escalate issues for technical or managerial reasons. Technical escalations involve bringing in additional expertise to resolve technical problems as quickly as possible, while managerial escalations involve higher levels of decision-making authority to address procedural or behavioral obstacles that may be holding up the resolution of a situation.

To optimize these systems, we ask every customer to contact the Technical Support Center first:

(800) 715-1234
Support@BISDigital.com

In the event a BIS Digital technical support representative does not respond in a prompt manner (within 8 business hours), customers can escalate their service issue to the contacts below.

Account Manager – Peter Huddleston
(800) 834-7674 x 4535

Technical Services Manager – Gary Jones
(800) 834-7674 x 4513

Director of Operations – Mitch Wise
(800) 834-7674 x 9516

Technical Staff and Key Integrations

Alex Aponte

Alex is a Technical Services Representative at BIS Digital, where he has been employed since 1998. He is highly skilled in the DCR and Winscribe software packages and has a deep understanding of computer and video hardware. In addition to his work in the US, Alex has also led installations and training of DCR systems for all the courts in Puerto Rico. He has worked on several key integrations, including a project in Ward County, Texas, where he helped install BIS Digital's full line of digital recording and A/V products. The system offers unique controls to the judge via a web browser and can be customized to meet the court's needs, including evidence presentation. In the City of Harlingen, Texas, Alex worked on a DCR two-channel system with video conferencing and implemented the DCR Remote and Monitor option, allowing the system administrator to control the DCR system from anywhere on the network.

Jonathan Grimes

Johnathan is a Technical Services Representative at BIS Digital, where he has been employed since 2013. He is an experienced A/V integrator and one of the most knowledgeable field technicians at BIS Digital. Johnathan is CTS certified and provides support for a variety of systems, including DCR, DCR2, and DCR-IR. He has worked on several key integrations, including projects in Saline County, Arkansas, and Andrews County, Texas. In both counties, he helped install sound and presentation systems provided by BIS Digital and implemented custom hardware control integrations that allow for the control of the entire system from any device via a web browser.

Jimmy Bucci

Jimmy is a highly skilled AV technician based out of New Jersey with over 35 years of industry experience. Prior to BIS Digital, Jimmy installed, supported, and trained on custom AV installations for Gramco and eventually became their Director of Technical Services. With over 20 advanced certifications, his proficiency in network administration has enabled him to create robust and reliable AV systems that seamlessly integrate with existing infrastructures. He possesses a deep understanding of network deployment and troubleshooting, which has proven invaluable in maintaining the stability and efficiency of AV setups and has become critical to the successful implementation and management of audiovisual systems in his region.

John Powell

John is a Technical Services Representative at BIS Digital. He is a highly skilled AV technician with over 15 years of experience in the industry. Prior to joining BIS Digital, John worked as an engineer and developed a deep understanding of AV systems and a passion for technology. His extensive experience has also improved training for BIS Digital technicians. John has worked on several key integrations, including a project in Miami County, Indiana where he helped install the DCR recording software and a sound system in the courthouse. In Montgomery County, Ohio, John lead the team that completed a technical overhaul for eleven courtrooms and nine jury rooms, including the implementation of evidence presentation, room control, remote monitoring, streaming, and capture via DCR.

Renford Christian

Renford is a highly accomplished AV integration technician with over 10 years of experience in troubleshooting audio-video systems, specializing in unified room control systems and record capture using DCR recording software. He has a natural ability to quickly identify and resolve technical issues, ensuring smooth integration and operation of AV components like displays, cameras, and microphones within unified control interfaces. Renford's expertise also extends to configuring and optimizing network infrastructure, live broadcasting, and recording settings for audio and video capture with DCR software. Clients consistently praise Renford for his meticulous attention to detail and his dedication to delivering flawless audio-video experiences.

References

Marion County (IN) Superior Courts

Amitav Thamba – Chief Technology Officer, Marion Superior Court
(317) 327-8564
athamba@indy.gov

Delaware County (IN) Circuit Courts

Emily Anderson – Court Administrator
(765) 747-7734
eanderson@co.delaware.in.us

Kosciusko County (IN) Circuit and Superior Courts

Bob Momeyer – Systems Administration
(574) 372-2479
bmomeyer@kcgov.com

Muskegon County (MI) 60th District Courts and 14th Circuit Courts

Patrick Finnegan – District Court Administrator
(231) 724-6356
finneganpa@co.muskegon.mi.us

Sandra Vanderhyde – Circuit Court Administrator

(231) 724-7138
vanderhydes@co.muskegon.mi.us

Clayton County (GA) Superior and State Courts

Ben Cauble – IT Director
(770) 477-3413
ben.cauble@co.clayton.ga.us

Franklin County (OH) Municipal Courts

Myirah Hisam – Business Systems Analyst
(641) 645-0703
hisamm@fmcclerk.com

Ottawa County (MI) Circuit, District, and Probate Courts

Susan Franklin – Court Administrator
(616) 846-8356
sfranklin@miottawa.org

Camden County (GA) Superior, Probate, and Magistrate Courts

Joy Lynn Turner – Clerk of Court
(912) 576-5631
jlturner@co.camden.ga.us

Bill of Materials

Account Name:

West Virginia Public Service Commision (WV)

Quote Name:

I - OCT 2024 - Presentation System for Hearings - Hearing Room - Administrative Offices - West Virginia Public Serv

Quote Number:

Q-8026973

Quote Amount:

\$187,282.90

Date:

10/14/24

Quote Expiration Date:

4/12/25

Account Rep:

Peter Huddleston

Account Rep Email:

peter.huddleston@bisdigital.com

Account Rep Phone:

(800) 834-7674 x4535

Item	Product Code	Qty
Commercial Grade Mini DSP 8 Flex Analog I/O with AEC USB/POTS/VoIP - Includes: 32x32 Dante Teams Scripting Engine UCI Deployment	BIS-QSC-8FLX-DAN-32IO-T-SE-UCI	1.00
4ch XLR Input DANTE Expander	BIS-DANTE-IN4-XLR	5.00
60W 2Ch Rackmount Amplifier 0.5U	BIS-QSC-SPA2-60	1.00
Microflex Wireless System 4ch. Access Point Transceiver	BIS-MWS-4APT	1.00
18" Gooseneck Microphone w/Programmable Mute Base & LED (Series 3)	BIS-MIC-GBL18-S3	21.00
Microflex Wireless System Handheld Microphone Transmitter (SM58)	BIS-MWS-HMT-SM58	2.00
Microflex Wireless System Hybrid Bodypack Microphone Transmitter	BIS-MWS-HBMT	2.00
Lavalier Microphone TA4F Cardioid	BIS-MIC-LM-TA4F-C	2.00
Microflex Wireless System 4 Bay Networked Charging Station	BIS-MWS-4NCS	1.00
4" Ceiling Network Speaker PoE/PoE+ White	BIS-QSC-NL-C4-WH	15.00
6.5" Wall Mount Speakers - White (Pair)	BIS-SP-WMW-6.5	1.00
Assisted Listening System IR SY7 w/ PoE	BIS-ALS-IRSY7-POE	1.00
12x Optical Zoom PTZ Network Camera with Wall-Mount PoE HDMI and SDI Output	BIS-QSC-NC-12x80	6.00
In-Wall Active Audio Press Box 1ch. Dante input 12 Line/Mic outputs	BIS-APB-112-IW-D	1.00
Digital Document Camera (Gen. 10)	BIS-DDC-GEN10	1.00
AV over IP Decoder Series V1	BIS-AVoIP-D-V1	3.00

Item	Product Code	Qty
AV over IP Encoder Wall Plate Series V1	BIS-AVoIP-E-WP-V1	1.00
AV over IP Encoder Series V1	BIS-AVoIP-E-V1	12.00
48-port Network Switch 44x 2.5GB 4x10GB 48 PoE++ (3,314W)	BIS-NS-M4350-MSM4352	1.00
9-port Network Switch 9x 1GB 8x PoE+ (110w)	BIS-NS-M4250-GSM4210PD	2.00
Commercial Grade Blu-Ray (Series 2) w/ Separate Scaler	BIS-BDP-CS2-DA-1/2-S3B	1.00
Pre-Programmed Apple iPad (10.9") 64GB 10th Generation Silver	BIS-IPAD-10.9-G10-64GB-S	2.00
85" Display 4K	BIS-D-4K-85	2.00
Mini Switcher and Streaming Appliance	BIS-EPI-STA-PRLM-4K	1.00
Power Distribution System (Series 2)	BIS-PWR-DIST-S2	1.00
IP Power Conditioner with OvrC (Series 2) + UPS Kit 12 Controllable Outlets 2000 VA	BIS-PWR-KIT-UPS-IPVM12-2000-S2	1.00
I/O-USB Bring Your Own Device (BYOD) PoE Bridge	BIS-QSC-I/O-USB-B	1.00
USB 3.0 to HDMI Video Output Adapter	BIS-USB3-HDMI-VOA	1.00
Microphone Cable (5ft)	BIS-MIC-CBL-5	8.00
Ethernet + Power USB-C Adapter for 10th Generation iPad (Black)	BIS-IPAD-10.9-G10-USB-C-CAT6-B	2.00
CAT6A Cable Shielded Black 500'	BIS-W-CAT6A-SHB-500	6.00
CAT6A Patch Cable Shielded (3ft)	BIS-CAT6A-STP-03-BLK	24.00
CAT6A Patch Cable Shielded (6ft)	BIS-CAT6A-STP-06-BLK	27.00
CAT6A Patch Cable Shielded (10ft)	BIS-CAT6A-STP-10-BLK	10.00
HDMI Cable (3ft)	BIS-HDMI-3FT-MM	5.00
HDMI Cable (6ft)	BIS-HDMI-6FT-MM	10.00
Microphone Wire 22AWG (Plenum) - 500ft Roll	BIS-W-MP-22AWG-500ft	2.00
Speaker Wire 16AWG (Plenum) - 500ft Roll	BIS-W-SPKR-16AWG-500ft	1.00
Microphone Cable (10ft)	BIS-MIC-CBL-10	9.00
Microphone Cable (3ft)	BIS-MIC-CBL-3	4.00
24 Port CAT6 Patch Panel	BIS-CAT-NPP-24	2.00
12U Rack Enclosure Cabinet (Series 2)	BIS-REC-12S2	1.00
Under Table Locking AV Tilt-Shelf (23" x 18" x 2.3")	BIS-UT-LTS-23-28-2.3	3.00
Full Motion Wall Mount for Flat Panel Series 2 (60"-100")	BIS-TVM-FM60/100-S2	2.00
1U Rack Shelf 15" Depth	BIS-RSLF-1S2	3.00
iPad Security Mount (Black)	BIS-iPad-SMNT-B	2.00
Installation Supplies	BIS-INST-SUP	1.00
Shipping/Handling	S/H	1.00
On-site Setup Installation and Training (per system)	SIT	1.00
VOIP Line Configuration	BIS-INST-VOIP	1.00
Annual ON-SITE SUPPORT (Includes Hardware Replacement) - Contract to be Issued Upon Installation	NMNT-OS-HRDW	1.00

Total (Before Tax): \$187,282.90

Terms and Conditions

Effective Period	This Quote (Q-8026973) is valid through April 12, 2025
Tax Status	Sales tax will be added to an invoice unless a Tax-Exempt Form is on file with the BIS Digital corporate office.
Payment Terms	<p>Deposit: All orders above \$5,000 require a 50% deposit. Once the deposit for an order is received by BIS Digital, installation scheduling and shipment of goods will occur.</p> <p>Balance: For installations, the remaining balance is to be paid on the completion of the installation. For orders, the remaining balance is to be paid on the delivery of goods at the customer site.</p>
Cancellation	<p>In the event a customer cancels or postpones an order after a deposit has been received, BIS Digital reserves the right to invoice for hardware, software, shipping costs, and any other materials procured for the order.</p> <p>Restocking Fee: A 20% restocking fee will be charged for all cancelled orders.</p>
Limited Warranty	New software supplied by BIS Digital are covered for 90 days from the date of installation. New hardware supplied by BIS Digital are covered for 90 days from the date of delivery. Manufacturer Warranties do not cover On-Site Technical Support, Shipping costs, or Software upgrades.
Software Assurance	Annual Software Assurance entitles users to software upgrades at a fixed fee assessed at time of purchase.
Substitutions	Unforeseen supply chain disruptions or component shortages may impact availability of goods. As a result, some items may require substitution and may be subject to price and/or delivery time variances. In these instances, BIS Digital will consult with the customer about options and alternatives.



Quote (Q-8026973) Accepted By

Full Name (Print):

Title:

Signature:

Date:

PLEASE NOTE:

By signing above and or providing a purchase order number below, your organization is agreeing to the above price, terms, and conditions, and is authorizing BIS Digital, Inc. to order, install, and bill for the equipment listed herein.

Accounts Payable Information

Full Name (Print):

Phone Number:

Email Address:

Fax Number:

Purchase Order Required for Processing?:

YES

NO

Purchase Order Number:

Agency Department of Administration
 REQ.P.O# CRFQ 0926

BID BOND

KNOW ALL MEN BY THESE PRESENTS, That we, the undersigned, Business Information Systems, Inc
 of Fort Lauderdale, Florida, as Principal, and The Ohio Casualty Insurance Company
 of Fairfield, Ohio, a corporation organized and existing under the laws of the State of NH
 with its principal office in the City of Fairfield, as Surety, are held and firmly bound unto the State
 of West Virginia, as Obligor, in the penal sum of Thirteen thousand and 00/100 (\$ 13,000.00) for the payment of which,
 well and truly to be made, we jointly and severally bind ourselves, our heirs, administrators, executors, successors and assigns.

The Condition of the above obligation is such that whereas the Principal has submitted to the Purchasing Section of the
 Department of Administration a certain bid or proposal, attached hereto and made a part hereof, to enter into a contract in writing for
Hearing Room A-V Presentation System

NOW THEREFORE,

(a) If said bid shall be rejected, or
 (b) If said bid shall be accepted and the Principal shall enter into a contract in accordance with the bid or proposal
 attached hereto and shall furnish any other bonds and insurance required by the bid or proposal, and shall in all other respects perform
 the agreement created by the acceptance of said bid, then this obligation shall be null and void, otherwise this obligation shall remain in
 full force and effect. It is expressly understood and agreed that the liability of the Surety for any and all claims hereunder shall, in no
 event, exceed the penal amount of this obligation as herein stated.

The Surety, for the value received, hereby stipulates and agrees that the obligations of said Surety and its bond shall be in no
 way impaired or affected by any extension of the time within which the Obligor may accept such bid, and said Surety does hereby
 waive notice of any such extension.

WITNESS, the following signatures and seals of Principal and Surety, executed and sealed by a proper officer of Principal and
 Surety, or by Principal individually if Principal is an individual, this 3rd day of October, 2024.

Principal Seal

Business Information Systems, Inc
 (Name of Principal)

By _____
 (Must be President, Vice President, or
 Duly Authorized Agent)

 (Title)

Surety Seal



The Ohio Casualty Insurance Company
 (Name of Surety)

David Gonsalves
 Attorney-in-Fact David Gonsalves

IMPORTANT – Surety executing bonds must be licensed in West Virginia to transact surety insurance, must affix its seal, and must attach a power of attorney with its seal affixed.



This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.

Liberty Mutual Insurance Company
The Ohio Casualty Insurance Company
West American Insurance Company

Certificate No: **8202753-985148**

POWER OF ATTORNEY

KNOWN ALL PERSONS BY THESE PRESENTS: That The Ohio Casualty Insurance Company is a corporation duly organized under the laws of the State of New Hampshire, that Liberty Mutual Insurance Company is a corporation duly organized under the laws of the State of Massachusetts, and West American Insurance Company is a corporation duly organized under the laws of the State of Indiana (herein collectively called the "Companies"), pursuant to and by authority herein set forth, does hereby name, constitute and appoint, David Gonsalves

all of the city of Charlotte state of NC each individually if there be more than one named, its true and lawful attorney-in-fact to make, execute, seal, acknowledge and deliver, for and on its behalf as surety and as its act and deed, any and all undertakings, bonds, recognizances and other surety obligations, in pursuance of these presents and shall be as binding upon the Companies as if they have been duly signed by the president and attested by the secretary of the Companies in their own proper persons.

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed thereto this 16th day of December, 2019.



Liberty Mutual Insurance Company
The Ohio Casualty Insurance Company
West American Insurance Company

By: David M. Carey
David M. Carey, Assistant Secretary

State of PENNSYLVANIA
County of MONTGOMERY ss

On this 16th day of December, 2019 before me personally appeared David M. Carey, who acknowledged himself to be the Assistant Secretary of Liberty Mutual Insurance Company, The Ohio Casualty Company, and West American Insurance Company, and that he, as such, being authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at King of Prussia, Pennsylvania, on the day and year first above written.



COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Teresa Pastella, Notary Public
Upper Merion Twp., Montgomery County
My Commission Expires March 28, 2021
Member, Pennsylvania Association of Notaries

By: Teresa Pastella
Teresa Pastella, Notary Public

This Power of Attorney is made and executed pursuant to and by authority of the following By-laws and Authorizations of The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company which resolutions are now in full force and effect reading as follows:

ARTICLE IV – OFFICERS: Section 12. Power of Attorney.

Any officer or other official of the Corporation authorized for that purpose in writing by the Chairman or the President, and subject to such limitation as the Chairman or the President may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Corporation to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Corporation by their signature and execution of any such instruments and to attach thereto the seal of the Corporation. When so executed, such instruments shall be as binding as if signed by the President and attested to by the Secretary. Any power or authority granted to any representative or attorney-in-fact under the provisions of this article may be revoked at any time by the Board, the Chairman, the President or by the officer or officers granting such power or authority.

ARTICLE XIII – Execution of Contracts: Section 5. Surety Bonds and Undertakings.

Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the president and attested by the secretary.

Certificate of Designation – The President of the Company, acting pursuant to the Bylaws of the Company, authorizes David M. Carey, Assistant Secretary to appoint such attorneys-in-fact as may be necessary to act on behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

Authorization – By unanimous consent of the Company's Board of Directors, the Company consents that facsimile or mechanically reproduced signature of any assistant secretary of the Company, wherever appearing upon a certified copy of any power of attorney issued by the Company in connection with surety bonds, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

I, Renee C. Llewellyn, the undersigned, Assistant Secretary, The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy of the Power of Attorney executed by said Companies, is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 3rd day of October, 2024.



By: Renee C. Llewellyn
Renee C. Llewellyn, Assistant Secretary

Subcontractor List Submission (Construction Contracts Only)

Bidder's Name: BIS Digital Inc.

☒ Check this box if no subcontractors will perform more than \$25,000.00 of work to complete the project.

Subcontractor Name	License Number if Required by W. Va. Code § 21-11-1 et. seq.
N/A	

Attach additional pages if necessary

DESIGNATED CONTACT: Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.

(Printed Name and Title) Peter Huddleston - WV Account Manager
(Address) 1350 NE 56th Street, suite 300. Fort Lauderdale FL 33334
(Phone Number) / (Fax Number) 800-834-7674 x4535 / (F) 877-858-5611
(email address) peter.huddleston@bisdigital.com

CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through wvOASIS, I certify that: I have reviewed this Solicitation/Contract in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation/Contract for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that this bid or offer was made without prior understanding, agreement, or connection with any entity submitting a bid or offer for the same material, supplies, equipment or services; that this bid or offer is in all respects fair and without collusion or fraud; that this Contract is accepted or entered into without any prior understanding, agreement, or connection to any other entity that could be considered a violation of law; that I am authorized by the Vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on Vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

By signing below, I further certify that I understand this Contract is subject to the provisions of West Virginia Code § 5A-3-62, which automatically voids certain contract clauses that violate State law; and that pursuant to W. Va. Code 5A-3-63, the entity entering into this contract is prohibited from engaging in a boycott against Israel

BIS Digital Inc
(Company)

(Signature of Authorized Representative)
Jade Coldren - Sales Director - 10/10/24
(Printed Name and Title of Authorized Representative) (Date)
800834-7674 x4516 877-858-5611
(Phone Number) (Fax Number)
jade.coldren@bisdigital.com
(Email Address)

REQUEST FOR QUOTATION
CRFQ PSC25*03 -Hearing Room Audio Visual Presentation System

11.3. Vendor shall notify Agency immediately of any lost, stolen, or missing card or key.

11.4. Anyone performing under this Contract will be subject to Agency's security protocol and procedures.

11.4.1. Vendor shall sign in and out at the Guard's desk and let the Agency's Facilities Manager know when they are onsite. Vendor's staff shall wear a visitor's badge.

11.4.2. Vendor's staff is only permitted to be in the approved work area and should not roam around the facility or enter any spaces they are not authorized to be in

11.5. Vendor shall inform all staff of Agency's security protocol and procedures.

12. MISCELLANEOUS:

12.1. Contract Manager: During its performance of this Contract, Vendor must designate and maintain a primary contract manager responsible for overseeing Vendor's responsibilities under this Contract. The Contract manager must be available during normal business hours to address any customer service or other issues related to this Contract. Vendor should list its Contract manager and his or her contact information below.

Contract Manager: Kirk Ambrose

Telephone Number: 800-834-7674 x4521

Fax Number: 877-858-5611

Email Address: kirk.ambrose@bisdigital.com



State of West Virginia
DRUG FREE WORKPLACE CONFORMANCE AFFIDAVIT
West Virginia Code §21-1D-5

I, Jade Coldren, after being first duly sworn, depose and state as follows:

1. I am an employee of BIS Digital Inc; and,
(Company Name)

2. I do hereby attest that BIS Digital Inc
(Company Name)

maintains a written plan for a drug-free workplace policy and that such plan and policy are in compliance with **West Virginia Code §21-1D**.

The above statements are sworn to under the penalty of perjury.

Printed Name: Jade Coldren
Signature: [Signature]
Title: Sales Director
Company Name: BIS Digital Inc
Date: 10/11/2024

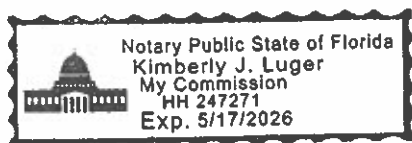
STATE OF ~~WEST~~ VIRGINIA,

COUNTY OF Broward, TO-WIT:

Taken, subscribed and sworn to before me this 11 day of October 2024.

By Commission expires 5/17/2026

(Seal)



[Signature]
(Notary Public)

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: CRFQ PSC25*03

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:

(Check the box next to each addendum received)

<input checked="" type="checkbox"/> Addendum No. 1	<input type="checkbox"/> Addendum No. 6
<input checked="" type="checkbox"/> Addendum No. 2	<input type="checkbox"/> Addendum No. 7
<input checked="" type="checkbox"/> Addendum No. 3	<input type="checkbox"/> Addendum No. 8
<input type="checkbox"/> Addendum No. 4	<input type="checkbox"/> Addendum No. 9
<input type="checkbox"/> Addendum No. 5	<input type="checkbox"/> Addendum No. 10

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

BIS Digital Inc.

Company



Authorized Signature

10/11/2024

Date


NOTE: This addendum acknowledgment should be submitted with the bid to expedite document processing.
Revised 6/8/2012

EXHIBIT A - PRICING PAGE - REVISED

CRFQ PSC2500000003

TOTAL INSTALLATION & DELIVERY COST

201 BROOKS STREET CHARLESTON, WV 25301

Item Number	QTY	Description	Unit Price	TOTAL
3.1.1	21	18" Fixed Gooseneck Microphones	\$807.06	\$16,948.26
3.1.2	4	Rechargeable Wireless Microphones - two (2) lapel, two (2) XLR	\$2,993.28	\$11,973.12
3.1.3	15	Ceiling Mounted Speakers	\$705.21	\$10,578.15
3.1.4	2	Wall Mounted Speakers	\$2,983.14	\$5,966.28
3.1.5	6	Video Cameras	\$4,825.53	\$28,953.18
3.1.6	2	Laser LCD Video Projectors	\$0.00	\$0.00
3.1.7	2	Video Display Projector Screens	\$3,226.57	\$6,453.14
3.1.8	1	Presentation System	\$19,353.15	\$19,353.15
3.1.9	2	Control System; Control Panels - one (1) fixed, one (1) wireless	\$10,080.08	\$20,160.16
3.1.10	1	Video Conferencing Capabiltiy	\$3,828.00	\$3,828.00
3.1.11	1	Document Camera	\$5,643.15	\$5,643.15
3.1.12	1	CD/DVD Video Netowrk Streamer	\$6,901.29	\$6,901.29
3.1.13	1	Additional Items: two (2) Audio press boxes and wall plate connections, five (5) Ethernet pulls, eight (8) HDMI cable wall mount.	\$15,477.65	\$15,477.65
3.1.14	1	Turn Key Installation for all equipment listed in Exhibit B - Project Plans	\$35,047.37	\$35,047.37
Total				\$187,282.90

VZ-3neo.UHD and VZ-8neo.UHD Visualizers



Next generation design, with 4K UHD imaging

VZ-3neo.UHD and VZ-8neo.UHD Visualizer systems



The VZ-3neo.UHD and VZ-8neo.UHD are native 4K UHD Visualizer systems, featuring the iconic WolfVision mechanical design concept, which incorporates the camera, LED light system and all electronic hardware into the Visualizer arm.

Newly engineered optical and electronic components maximise performance, and the unique design features a touchscreen control and preview monitor for maximum ease of use. With the VZ-3neo.UHD and VZ-8neo.UHD we set the standard worldwide for innovative, user-friendly, high-performance imaging systems.

Driving Knowledge Creation.

A man in a dark suit and glasses is seen from the side, gesturing with his right hand while speaking at a podium. The podium has a laptop on it displaying a blue-toned image. To the right of the speaker is a tall, white, rectangular device with a small screen at the top and a black lamp in the middle. The background is a large, dimly lit hall filled with a blurred audience. In the top left corner, there are red geometric shapes.

Our Vision

When you've got something to say, we believe it is important that getting your message across and making an impact should be as easy as possible.

Our aim is to help you to explain it better, to give you the freedom to share your knowledge and collaborate with others - however you want, and whenever you want, when your audience is in the same room or on the other side of the world.

**Because knowledge matters -
to all of us.**

Key Features

4K No.1 for imaging performance

Ultra-high definition camera with 4K UHD output for presentation of content materials in unrivalled image quality.



Variable-speed zoom range

Choose from a 12x zoom (VZ-3neo.UHD) or 24x zoom (VZ-8neo.UHD) for outstanding flexibility when displaying presentation content on-screen.



Focus on the content

High speed continuous autofocus, manual focus, plus an easy-to-use 9-point touch and focus mode, ensure crisp presentation of all content materials.



Remote management tools

vSolution Link Pro software for easy remote setup, monitoring, management, and updating of systems.



Adjustment-free lighting

No distracting hot spots or reflections – and no need to adjust the light. This LED Lighting system is optimised for perfect illumination.



Flexible external control

Control easily using a room management system or a computer, or use the vSolution App to control wirelessly from a mobile device.



FHD recording & streaming

Record and stream your content simultaneously in up to 1080p FHD (VZ-3neo.UHD) or 2160p UHD (VZ-8neo.UHD) resolution, for live or on-demand viewing by remote audiences.



Visualizers built to last

High quality components for outstanding mechanical quality, durability, and reliability, plus a 5 year warranty. These Visualizer systems are built to last!



Maximum ease of use



Touchscreen preview monitor

LCD touchscreen monitor for easy positioning of objects on the working surface, plus swipe-through advanced settings menu.



Automatic operation

Simply use the zoom wheel, and leave other settings like focusing, brightness, and white balance to be adjusted automatically.



Write on your Visualizer

Self-adhesive dry-erase working surfaces available for convenient pickup and display of handwritten content materials.

Space-saving design

Also available without an integrated working surface, the optional 'swivel plate' version enables direct mounting onto a desktop or podium using the supplied mounting plate. Configurable to rotate 90°, it allows the desktop surface to remain completely obstruction-free.



Technical specifications

VZ-3neo.UHD

VZ-8neo.UHD

Camera / Frames per second	CMOS 1/2.8" 4K UHD 30 fps, 1080p FHD 60 fps, 720 pHD 60 fps		CMOS 1/2.8", 4K UHD, 60 frames per second in all resolutions
Effective pixels of camera sensor	3840 x 2160 (8,294,400)		
Native signal output / Output resolution	2160p UHD, 4:4:4 / 1,400 lines output resolution		
Converted widescreen output signals (16:9 and 16:10)	1080p FHD (1920 x 1080), 720p HD (1280 x 720)		
Brightness control & white balance adjustment	Automatic and manual		
Focusing modes	High speed continuous autofocus, 9-point touch & focus, manual focus		
Live to freeze comparison (side by side)	Yes, 2 x 1080p FHD on a 4K screen		
Built-in touchscreen LCD control & preview monitor	Yes, 88,9 mm (3.5"), 320 x 240 px, RGB		
On-screen menu	Yes, touchscreen with customisable swipe-through menu & password-protected advanced functions		
vSolution Link Pro software for remote management & firmware updates	Yes, included (for Windows 10 Desktop, Windows Server 2012 R2 & 2016, Windows Web Server, macOS)		
Free firmware updates	Yes, via USB, LAN, vSolution Link Pro		
Zoom / Lens type	12x zoom (6x optical, 2x digital), zoom wheel with variable speed / Wide angle, f= 4.7 – 28 mm	24x zoom (12x optical, 2x digital), zoom wheel with variable speed / Wide angle, f= 4.7 – 57 mm	
Max. object height on working surface	150 mm (5,9") in tele position, 320 mm (12,6") in wide position	180 mm (7") in tele position, 320 mm (12,6") in wide position	
Max. size of pick-up area	Length: 300 mm (11,8"), Width: 497 mm (19,6")		
Min. pick-up area on working surface (full resolution, optical zoom)	84 x 49 mm (3,3" x 1,9")	43 x 25 mm (1,7 x 1")	
Min. pick-up area on working surface (with digital zoom)	42 x 24,5 mm (1,65" x 0,96")	11 x 6,5 mm (0,43" x 0,26")	
Depth of focus on small object (42 x 33 mm)	20 mm (0,8")	5 mm (0,4")	
Depth of focus on large object (360 x 270 mm)	120 mm (4,7")	100 mm (3,9")	
Light source	Maintenance-free, high-brightness LED light system (high light output, low power consumption), lamp lifetime: 30,000 hours		
UVC (Windows, Linux & macOS), PTP (Picture Transfer Protocol)	Yes		
Intelligent folding system	Yes, mechanical arm		
Swivel plate with 90° rotation	Optional		
User programmable presets	3		
LAN streaming modes (Unicast, Multicast)	Up to 1080p FHD 30 fps, RTP H264 + audio, RTP MJPG + audio	Up to 2160p UHD 30 fps, RTP H265 + audio, RTP H264 + audio, RTP MJPG + audio	
Video recording	Yes, 1080p FHD, up to 30 fps	Yes, 2160p UHD, up to 30 fps	
Image memory	8 GB internal memory + unlimited additional storage on USB stick or external hard drive		
Reflection-free pick-up area	Yes, entire working surface		
External computer input/input switch	Yes, HDMI x 1, up to 4K UHD 30 fps pass through, and built-in digital scaling of input signal		
Seamless cross-fading between image sources	Yes		
Connectors	1 x HDMI In, 1 x HDMI out, 1 x LAN port, 1 x USB 3.0 device port, 1 x USB 2.0 host port		
Audio	Yes, via HDMI In and HDMI Out		
Advanced controlling with professional protocol	Yes, via LAN and USB		
Dimensions in operation (L x W x H)	489 x 345 x 523 mm (19.3" x 13,6" x 20.6")		
Dimensions when folded (L x W x H)	571 x 345 x 128 mm (22.5" x 13,6" x 5")		
Weight	4,65 kg (10,25 lbs)		
Anti-theft devices	T-Lock (Kensington® Lock), and table lock bolt		
Security feature pack	Optional (disables snapshot and freeze functions, and prevents firmware downgrades to older versions)		
Power	External desktop power pack: multi range 100-240V, 32W, 1.8 m power cord		
Other optional accessories	Dry-erase working surface, carrying case	Dry-erase working surface, carrying case, Infrared remote control	
Warranty / Made in	5 years / EU Austria		

Your WolfVision Partner:



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Q-SYS NC-110

Q-SYS NC-12x80

Q-SYS NC-20x60

KEY FEATURES

- NC-110: fixed-lens, electronic pan, tilt, zoom (ePTZ) with 110° horizontal field of view
- NC-12x80: 12x optical zoom, 80° horizontal field of view
- NC-20x60: 20x optical zoom, 60° horizontal field of view
- Professional quality video conferencing for the Q-SYS AV-to-USB bridging solution
- Distribute video via the Q-LAN network anywhere it is needed
- Add as many network-based NC Series cameras to a design as needed to enable multi-camera functionality when integrating web conferencing platforms
- Distribute video via the Q-LAN network anywhere it is needed
- Simultaneously stream IP feeds and HDMI or SDI (PTZ models only)
- User-configurable resolution and quality for IP streams (up to 1080p), providing greater flexibility for a wide variety of use cases
- Comprehensive management via Q-SYS Designer Software and Q-SYS Reflect Enterprise Manager
- Complete camera imaging controls, including white balance, focus and exposure
- Image Rotation control inverts the video when the camera is mounted upside down. For PTZ cameras, the optional ceiling mount accessory is the PTZ-CMB1
- Power over Ethernet
- Local 12 V connection for PTZ models (power supply not included)
- PTZ models include PTZ-WMB1 wall mount bracket for simple installation; ePTZ model has built-in mounting hardware
- Includes lens cover for privacy (NC-110 only)



Q-SYS NC Series Cameras

Network cameras for collaboration

The Q-SYS NC Series conference cameras deliver high-quality video feeds natively to the Q-SYS Platform. With three models to choose from, these network cameras offer a simple and scalable video solution for any size meeting space.

Driven by the Q-SYS OS, the NC Series integrate seamlessly into any Q-SYS system, allowing for easy camera feed routing anywhere on the network without the need for complicated programming or video matrix hardware. These camera video feeds are delivered to any modern video conferencing applications such as Microsoft Teams, Zoom, Google Meet, and Cisco Webex via any Q-SYS AV bridging peripheral

BENEFITS

Rightsized camera options: Choose the right camera for your room. The Q-SYS NC-110 EPTZ camera drives the Q-SYS AV bridging solution into smaller, wider or more value-engineered room types and applications, while the Q-SYS NC-12x80 and Q-SYS NC-20x60 deliver professional PTZ functionality and presets, enabling larger and/or reconfigurable room layouts.

Network transport, USB delivery: NC Series solves the cable length limitations of traditional cameras solutions by enlisting a single network cable for video, power and control data transport into Q-SYS, and then employs USB technology to deliver the video to its intended PC/compute device. This greatly simplifies system design and deployment by eliminating the need for costly, unreliable USB cabling. Furthermore, NC Series goes beyond the traditional 1-to-1 limitation found in most USB cameras by allowing for a "many-to-any" scenario that allows users to integrate as many NC Series cameras as needed in their Q-SYS system design

and take advantage of network-based realtime camera switching

Multiple camera support for UC platforms: Q-SYS uses the power of the network (rather than dedicated switching hardware) to allow you to add as many NC Series cameras to your system as you desire and do live switching between the cameras, all while delivering a singular UVC/UAC stream to your application of choice

Universal Compatibility: The feeds from NC Series cameras, along with Q-SYS room audio, can be delivered to the conferencing application of your choice. With this functionality, Q-SYS can scale the meeting experience for Zoom, Microsoft Teams, Google Meet, Cisco Webex and more into rooms of any size or configuration to ensure a great experience parity for both in-room and remote meeting participants.

Designed for Q-SYS: NC Series collaboration cameras are native to Q-SYS, a cloud-manageable audio, video and control **platform**, built to deliver scalable, flexible AV solutions into the future. At its foundation, the **Q-SYS OS** serves as the software foundation that manages your NC Series cameras along with a multitude of other native **Q-SYS Products** in the platform. Additionally, its modern IT architecture and development tools of the **Q-SYS Platform** enables an entire **Ecosystem** of third-party devices developed by approved Q-SYS Partners, as well as a worldwide community of Q-SYS developers.

Q-SYS NC Series Conference Cameras

	NC-12x80	NC-20x60	NC-110
System Details			
Description	Network PTZ conference camera		Network EPTZ conference camera
Image sensor	1/2.8" low-noise CMOS	1/1.8" low-noise CMOS	1/2.8" low-noise CMOS
Lens characteristics (wide to tele)	12x optical zoom f=3.47 to 41.65 mm F1.84 to F3.72	20x optical zoom f=6.25 to 125 mm F1.58 to F3.95	Fixed focus Lens 8x max zoom, 2x lossless f=1.86 mm Supports EPTZ
System scanning mode	Progressive		
Signal-to-noise ratio	≥ 55 dB		
Horizontal rotation range	± 170°		Supports EPTZ
Vertical rotation range	-30° to +90°		Supports EPTZ
Pan speed range	1.7° to 100°/s		
Tilt speed range	1.7° to 69.9°/s		
Horizontal and vertical flip	Supported (enables ceiling-mounted installations)		
Camera Imaging			
Minimum illumination	0.5 Lux @ (F1.8, AGC ON)		
Shutter	1/30s to 1/1000s		
White balance	Auto, indoor, outdoor, one push, manual, specified color temperature		
Digital noise reduction	3D digital noise reduction		
Supported Video Formats			
Supported bridging formats	Core Nano, Core 8 Flex, NV-32-H (Core Capable), I/O-USB Bridge: MJPEG & YUY2		
	Core 110f: YUY2 (360p max resolution on USB 2.0, 1080p30 max resolution on USB 3.0)		
Supported bridging resolutions	1080p : 30, 15 fps 720p : 30, 15 fps 360p : 30, 15 fps 180p : 30, 15 fps		
IP stream resolutions (preview window)	H.264 @ 360p, 270p or 180p		
HDMI output (RGB 4:4:4 8 bit)	2160p @ 25, 29.97, 30 fps 1080p @ 25, 29.97, 30, 50, 59.94, 60 fps 1080i @ 50, 59.94, 60 fps 720p @ 30, 50, 59.94, 60 fps		No HDMI output
3G-SDI output	1080p @ 25, 29.97, 30, 50, 59.94, 60 fps 1080i @ 50, 59.94, 60 fps 720p @ 50, 59.94, 60 fps		No SDI output
Power			
DC power input	12 V (±20%), 12 W, JEITA connector		N/A
Power over Ethernet (PoE)	PoE Type 1, Class 3		PoE Type 1, Class 2
Power consumption	12.95 W max		6.4 W max
General Specifications			
Network interface	1000BaseT (IEEE 802.3ab) Ethernet interface		
Operating temperature	0°C - 40°C		
Storage temperature	-40°C - 60°C		
Size	6.7 x 7.95 x 5.6 in (170 x 201 x 142 mm)		7.6 x 2.2 x 3.8 in (194.5 x 54.7 x 95.7 mm), with bracket
Net weight	3.5 lbs (1.6 kg)		0.9 lbs (0.4 kg), with bracket

Q-SYS NC Series Cameras

NC-110



NC-12x80



NC-20x60





DN-500CB

CD/Media Player with Bluetooth®/USB/Aux Inputs and RS-232c

Key Features:

- Bluetooth 5.0 pairing to (8) devices
- Slot-loading CD transport
- USB host port for file playback
- 10-button direct track access
- 3.5mm AUX input for playback from portable players
- RS-232c control capable
- Compact IR remote control included
- Balanced (XLR) and unbalanced (RCA) outputs

Overview:

Specifications:

- Audio Specifications
 - Audio channels:
 - 2 channels / stereo
 - Frequency response:
 - 10 - 20,000 Hz, +/- 1.0dB
 - > 85dB (10- 20,000 Hz A-weighted)
 - Dynamic range:
 - Signal to Noise ratio:
 - > 90dB (1kHz, 0dB, A-weighted)
 - Channel separation:
 - > 80dB (1kHz, 0dB, A-weighted)
 - Total Harmonic Distortion (THD):
 - < 0.01% (1kHz, 0dB, A-weighted)
- Bluetooth Specifications
 - Output class:
 - Class C
 - Bluetooth version:
 - 5.0
 - Support profile:
 - A2DP, AVRCP (1.3/1.4)
 - Support codecs:
 - SBC, MP3, AAC, aptX
- Outputs
 - XLR (balanced)
 - 2.0Vrms
 - RCA (unbalanced)
 - +4dBu
- Remote Control
 - IR Remote

Denon Professional DN-500CB CD Player



The DN-500CB is a highly-versatile yet affordable media player that excels in applications where users bring their own devices for education, instruction or entertainment. The DN-500CB plays not only CD media but provides Bluetooth connectivity, USB playback and a 3.5mm AUX input for connecting virtually any other playback device.

Like all 500 series Denon Professional media players, the DN-500CB offers an RS-232c port on the rear for control via serial command and the serial command protocol guide is available for download.

Perfect for retail, education, and hotel/conference applications, this player offers features normally found on higher-priced players, such as Bluetooth Pairing, Front Panel Lock, Power On Play, direct access to tracks, memory of settings after loss of power, and balanced XLR output.

- Infrared protocol / NEC format
- Transmit output level:
 - >200mVp-p
- Serial Remote
 - D-sub 9-pin female RS-232C
 - Mode:
 - Full duplex
 - Baud rate:
 - 9600/38400 b/s (selectable in the menu)
 - Data:
 - 8bits
 - Start bit:
 - 1bit
 - Stop bit:
 - 1bit
 - Parity:
 - none
 - Flow control:
 - none
- Audio File / SIGNAL
 - Sample rate:
 - CD-DA, Audio file 44.1kHz
 - Word length:
 - CD-DA, Audio file 16-bit
 - File format:
 - Audio file WAV/MP3/AAC
 - Bit rate:
 - MP3, AAC, CBR/VBR ST/Mono 32~320kps
 - ID3 tag:
 - MP3 V1.x~2.4
- CD Drive
 - Media
 - File system:
 - CD-DA (CD-TEXT), CD-ROM (ISO9660)
 - Disc:
 - CD, CD-R
- USB Storage Device
 - File system:
 - FAT 16/32
 - Media type:
 - Flash/ HDD
- Environmental
 - Operating temperature:
 - 40° - 95° F (5° - 35° C)
 - Operating humidity:
 - 25 ~ 85% non-condensing
- General
 - Power
 - Power requirements:
 - 100-230 VAC
 - Power consumption:
 - <30W
 - LCD Display:
 - LCD 2 lines, 16 characters x 2 lines LCM display
 - Dimensions:
 - 19" x 13.7" x 1.73" (483 x 347 x 44mm)
 - Weight:
 - 6.4 lbs (2.92kg)