

December 14 2020

**Re;West Elgin Municipality**

Media Multi-Com is pleased to have the opportunity to earn your business by providing the following proposal for your audio/video requirements. Media Multi-Com is celebrating over 25 years in the South-Western Ontario market servicing sectors such as Institutional/Government/Commercial/Public and Residential. Some of our clients include City of London, London Health Sciences Centre, London Public Library, Thames Valley District School Board and Revera Retirement Living just to name a few. We are recognized in the industry for our ability to custom integrate Audio/Video/Control systems as well as security and access control systems. These are only a few of the many services we offer that make us the provider of choice for so many businesses and institutions.

**Scope of Work**

The intent of the following design and hardware list is to provide a portable discussion system that can be assembled and dismantled for council meetings that will satisfy the current situation which is a temporary facility to conduct meetings. When the opportunity arises to locate to a permanent facility you will have the ability to permanently install the system.

**Hardware**

Sony KD65X750H 65" TV  
Peerless SR560 TV cart

Televic D-Cerno-CUR central unit x 1  
Televic D-Cerno-C-CL chairman unit x 1  
Televic D-Cerno-D-SL delegate unit x 9  
Televic D-Mic-50 microphones x 10

Cabling

Installation/set up/training

\$14,492.00 + HST

**Option#1**

Atlona AT-HDVS-CAM PTZ camera  
BiAmp TesiraForteAI dsp  
Installation/set up/training

\$ 4350.00 + HST

These components are recommended to be able to conduct video conference calls.

Electrical contractor to supply and install all conduit, raceway, cable hooks, pipe, core drilling, boring, electrical back boxes and other components required to create a complete and unobstructed wire path to all locations, including pull string through studs, wooden structures or other structural members. Fire stopping and /or smoke sealing is not included in the above quotation and is to be completed by others. Electrical contractor to install power supply provided by Media, and ensure adequate A/C power is available for all components. Electrical contractor to provide adequate secure storage for components on site, at no cost to Media. Electrical contractor to provide Media Multicom personnel access to man lifts (if required), at no cost to Media. Electrical contractor to incorporate information provided by Media into shop drawing, O&M manuals and as-built drawings, and complete all submissions as required and is responsible for any permits (if required).

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Option#2

InterM PS-80 amplified speakers x 2  
tripods x 2  
installation/set up/training

\$1,997.00 + HST

If there is intentions of setting up a gallery area for outside attendees to be active participants these components are recommended.

Signed \_\_\_\_\_

Name \_\_\_\_\_

Title \_\_\_\_\_

Date \_\_\_\_\_

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# D-Cerno CU

## D-Cerno Central Unit



### Description

The D-Cerno Central Unit is the heart that powers small to mid-sized meetings. The technology inside D-Cerno is based on the same processing principles found in Televic's flagship, high-end products but streamlined & optimized for its marketing segment: entry-level discussion systems.

The system occupies a unique position in the market since it is completely based on digital signal processing. D-Cerno controls 50 delegate units and can be expanded to cover 150 units using a master/slave configuration with multiple central units.

The delegate units are connected in daisy chain over the 4 bus connections (4 branches or 2 closed loops). When cabled in loop, a redundancy mechanism guarantees that the system continues to function flawlessly if a cable should break or disconnect for some reason.

The system is designed to work out-of-the-box, with hardly any technical expertise required. D-Cerno is simply plug-and-play.

Control of the system is easy and intuitive via the touch sensor buttons and a large LCD menu. To guide the meeting, several conference modes are implemented. Direct access, Request, Push to talk, FIFO, Vox control.

Design-wise, D-Cerno CU blends in beautifully with the delegate & chairman units, both in shape and appearance. Its sleek and understated profile feels at home on any meeting room table.

D-Cerno's fan-less design also ensures absolute silence and allows it to be placed near the chairman or delegates without any concern for fan noise, even during extended usage.

Next to connecting delegate units, the central unit also has the necessary inputs and outputs to connect to other equipment such as room amplification, wireless microphones or audio/video conference systems.

Finally, the unit is also energy-efficient: D-Cerno has a power saving mode and moves to a sleep state if the system has been left on accidentally.

## Benefits

- » Contemporary design fits in everywhere
- » Fan-less operation guarantees silence
- » Energy-efficient
- » Plug-and-play approach

## Features

- » Touch sensor button technology
- » Digital signal processing
- » Selectable voice activation (VOX)
- » Fail-safe redundancy technology
- » Default digital acoustic feedback reduction
- » For systems up to 50 units
- » Master/slave function to expand the system
- » Menus and integrated LCD
- » System volume
- » On/Off button

## Connectivity

- » 1 Balanced XLR input
- » 1 Unbalanced RCA input
- » 2 Unbalanced RCA outputs
- » 4 Bus connections (4 branches or 2 loops)
- » 1 Lockable Power connection

Spare Power Supply

71.98.0340

## Certification

Region	Certification
Europe	CE

## Specifications

### Mechanical

Material	PC/ABS
Color	Black
Size (mm)	300 (w) × 135 (h) × 50 (d)
Size packed (mm)	345 (w) × 250 (h) × 155 (d)
Weight	1300
Weight packed	2600 (including D-Cerno PS, cable)

### Electrical

Power Supply Input	External 100-240 VAC 50-60 Hz 25 A
Power supply output to power units	48 VDC 3.35 A Max 180 W
Power consumption	Active 4 W Standby 0.7 W
Audio quality	16 bit digital
Volume control	0 dB to -72 dB + "OFF"

### AUX 1 IN XLR balanced

Input impedance	≥ 7 kΩ (asymm.)
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### AUX IN RCA unbalanced

Input impedance	≥ 20 kΩ (asymm.)
Input gain adjustment	+24 dB to -51 dB + "OFF"

### AUX OUT 1,2 RCA unbalanced

Max. output level	0 dBV = -10 dBFS
Output impedance	≤ 600Ω
Output gain adjustment	+24 dB to -51 dB + "OFF"

### Headphone

Load impedance	16-150 Ω
Output power	Max 70 mW 32 Ω
Volume control	0 dB to -72 dB + "OFF"

### Environment

Operating temperature	5 to 50 °C
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# D-Cerno D

## D-Cerno Delegate Discussion Unit



### Description

D-Cerno introduces a new era: an innovator within its market segment. It combines sleek design with digital signal processing and plug-and-play functionality.

Stylish, discreet, and unobtrusive with a low profile: the D-Cerno is at home in any meeting room context.

The system is completely based on digital signal processing. The result is crystal-clear sound and excellent intelligibility. Two cornerstones of any successful meeting.

In a global, interconnected world where communication is crucial, immunity to typical mobile phone interference is simply a must. D-Cerno's shielded microphone eliminates these disturbances, so delegates can focus on the essence of the meeting.

The system is designed to work out-of-the-box, with hardly any technical expertise required. Wiring is easy: simply connect shielded Cat 5 cables from unit to unit. While connecting, there is no need to worry about the IN and OUT port since the unit detects the direction of the signal flow automatically. It makes cabling errors virtually impossible.

D-Cerno uses the most recent touch sensor button technology which results in several benefits. The unit is hygienic and easy to clean since there are no gaps around the buttons where dirt and bacteria can accumulate.

And because there are no moving parts, there is no wear of the buttons. As a result, D-Cerno guarantees consistent performance over the entire lifespan of the product.

The system has the added benefit of easy extensibility: increasing or decreasing the number of units is a breeze. It makes D-Cerno ideal for rental use.

The D-Cerno D has a 30 cm microphone, the D-Cerno DL (71.98.303) has a 50 cm microphone.

## Benefits

- » Contemporary design fits in everywhere
- » Easily cleaned
- » Superior lifespan
- » Plug-and-play approach

## Features

- » Digital signal processing
- » Stylish, unobtrusive, low profile design
- » Hygienic touch sensor technology
- » Shielded microphone, immune to mobile phone interference
- » High-quality integrated loudspeaker
- » Headphone output
- » Headphone volume adjustment
- » Microphone On/Off button
- » Loop-through, daisy-chain cabling
- » Patented fail-safe redundancy feature
- » Concealed conference bus connections
- » Microphone LED ring
- » Bi-color bar indicator

## Connectivity

- » 2 digital bus connections (IN/OUT - interchangeable)
- » Headphone connection

**TEL152 Headphones**

**71.04.0154**

- » A 2 m patch cable is included with the unit

## Certification

Region	Certification
Europe	CE

## Specifications

Mechanical	
Material	PC/ABS
Color	Black
Size (mm)	210 (w) × 135 (h) × 50 (d)
Size packed (mm)	400 (w) × 150 (h) × 130 (d)
Weight	620g
Weight packed	1000g
Microphone length (mm)	300
Electrical	
Power Supply	48 DC, over Cat5 cable
Power consumption	2 W
Audio quality	16 bit digital
Frequency response	25 Hz-15,000 Hz (± 3 dB)
Headphone	
Impedance	16-150 Ω
Output level	Max 70 mW 32 Ω
Environment	
Operating temperature	5 to 50 °C