

DC2E

First introduced in 2005, DRASH Deployable Command and Control Equipment (DC2E) was developed to solve the information management problems facing today's commander. Comprised of projector systems and audio visual switching systems, DC2E provides lightweight, portable communications technology by fusing multiple feeds of information onto a single display or more if needed.

Numerous Display Systems

Available in various sizes and projection configurations, DC2E screen displays have been designed to accommodate any permanent or temporary facility.

Reliable Audio-Visual Systems

DC2E audio-visual systems are also available in various configurations. All DC2E audio-visual systems feature diskless components for increased reliability, the ability to support multiple displays and display types and molded, weather-resistant transport cases for easy transport.

Convenient Accessories

Accessories, including a microphone system, clock and tables featuring storage space for cables and wires, are available.

Readily Available

DC2E products are available for purchase through DSCP or GSA using contract number GS-03F-0181V.





DC2E MEDIUM SCREEN DISPLAY, SXGA+

Part Number: BP300A019



Designed for 24/7 operation, the DC2E Medium Screen Display, SXGA+ is built for today's commander. The system features a DLP projector that accepts and displays images with a resolution of up to 1920 x 1200. Despite its numerous capabilities, the Medium Screen Display is compactly stored in two separate wheeled cases for easy transport.

Multiple screen systems can also connect together to form a dual screen (1008844) or triple screen (1008843) system.

Features:

- Native 1400 x 1050 (SXGA+) resolution. System accepts and displays images with a resolution of up to 1920 x 1200.
- Wide range of signal compatibility.
- Viewing area measures 59" x 44" x 73" diagonal.
- Designed for 24/7 operation. To ensure continuous operation, a maintenance kit is available for the projector that replaces all moving internal components within 8,000 hours of system operation.
- 2000/3000-hour lamp life, 300-watt lamp, 2600 ANSI lumens weighs only 9 lbs. (4 kg.) and has a low noise level of only 28 dB(A).
- Power 100-240 VAC, 4A, 50/60 Hz.
- Lightweight 1" square aluminum frame system with locking hinge points for fast set up and take down.
- Includes long life mechanical elements, such as magnesium and ceramics, as well as over specified fans and color wheel engine.
- Fully sealed optical architecture ensures faultless operation in harsh environments.
- Cantilevered projector mounting arm preserves valuable floor space.
- Multiple projection screens can be connected together to form a single large screen.

Optional Components:

An optional cooling kit helps regulate projector temperature and prevent dust and debris from collecting on the projector in high temperature conditions (patent pending).

Packaging:

Screen and projector may be stored in two cases with wheels for easy transport.

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Screen and projector may be stored in two cases with wheels for easy transport.

Packed Projector Case Case 1:	Dimensions:	in.	24.5 W x 19.5 D x 15 H
		cm.	62 W x 50 D x 38 H
	Weight:	lb.	41
		kg.	18.6
Packed Screen and Frame Case Case 2:	Dimensions:	in.	50 W x 17.5 D x 13 H
		cm.	127 W x 44.5 D x 33 H
	Weight:	lb.	74
		kg.	33.6

DC2E MEDIUM SCREEN DISPLAY, XGA

Part Number: 1009852



The entry-level DC2E Medium Screen Display, XGA features a DLP projector that accepts and displays images with a resolution of up to 1280 x 1024. Despite its numerous capabilities, the Medium Screen Display is compactly stored in two separate wheeled cases for easy transport.

Multiple screen systems can also connect together to form a dual screen (1009853) or triple screen (1009861) system.

Features:

- Native 1024 x 768 (XGA) resolution. System accepts and displays images with a resolution of up to 1280 x 1024.
- Wide range of signal compatibility.
- Viewing area measures 59" x 44" x 73" diagonal.
- 4000/6000-hour lamp life, 220-watt lamp, 2600 ANSI lumens weighs only 5.5 lbs. (2.5 kg.) and has a low noise level of only 32 dB(A).
- Power 100-240 VAC, 2.5A, 50/60Hz.
- Lightweight 1" square aluminum frame system with locking hinge points for fast set up and take down.
- Cantilevered projector mounting arm preserves valuable floor space.
- Multiple projection screens can be connected together to form a single large screen.
- Spare lamp included.

Packaging:

Screen and projector may be stored in two cases with wheels for easy transport.

Packed Projector Case Case 1:	Dimensions:	in.	24.5 W x 19.5 D x 15 H
		cm.	62 W x 50 D x 38 H
	Weight:	lb.	35
		kg.	15.9
Packed Screen and Frame Case Case 2:	Dimensions:	in.	50 W x 17.5 D x 13 H
		cm.	127 W x 44.5 D x 33 H
	Weight:	lb.	74
		kg.	33.6

DC2E LARGE SCREEN DISPLAY



Designed to fit into a DRASH J Series Shelter, the DC2E Large Screen Display features three DLP projectors that project three separate large, high resolution images. Its unique configuration allows it to be set up nearly five feet above the floor allowing for ease of viewing from the back of the TOC. Regardless of its size, the Large Screen Display system packs down tightly into three lightweight cases and does not require any tools for installation.

The DC2E Large Screen Display is available as a Front Projection Screen Display system, offering three 90" diagonal viewing areas, or as a Rear Projection Screen Display system, offering three 76.7" diagonal viewing areas.

Features:

- Native 1400 x 1050 (SXGA+) resolution. System accepts and displays images with a resolution of 640 x 480 to 1920 x 1200.
- Front Projection Screen measures 5.5' x 19' to allow for three separate 54" x 72" x 90" diagonal viewing areas; Rear Projection Screen measures 3.9' x 15.2' to allow for three separate 47" x 60.6" x 76.7" diagonal viewing areas.
- Three DLP projectors are designed for 24/7 operation. To ensure continuous operation, a maintenance kit is available for the projector that replaces all moving internal components within 8,000 hours of system operation.
- 2000/3000 hour lamp life, 300-watt lamp, 2600 ANSI lumens weighs only 9 lbs. (4 kg.) and has

- a low noise level of 28 dB(A).
- Power 100-240 VAC, 12A, 50/60 Hz.
- Lightweight 1" square tube aluminum frame system with locking hinge points allows for fast set up and take down.
- Includes long life mechanical elements, such as magnesium and ceramics, as well as over specified fans and color wheel engine.
- Fully sealed optical architecture ensures faultless operation in harsh environments.
- Lightweight 2" tube frame supports all three projectors. Rugged, black, rubberized coating allows for increased durability. Slip fit joint system features quick securing clips.
- Three projector mounts with wide adjustability included for set up on uneven terrain.
- One 50Ft. and two 25Ft. HD15 VGA video cables included. One 30Ft. NEMA 5-15 extension cable and one 6 outlet power strip included.

FRONT PROJECTION SCREEN DISPLAY

Part Number: 1002543

Packed Projector Case Case 1:	Dimensions:	in.	80.8 W x 22.5 D x 18 H
		cm.	205.1 W x 57.2 D x 45.7 H
	Weight:	lb.	150
		kg.	68.2
Packed Screen and Frame Case Case 2:	Dimensions:	in.	80.8 W x 22.5 D x 18 H
		cm.	205.1 W x 57.2 D x 45.7 H
	Weight:	lb.	190
		kg.	86.4
Packed Screen and Frame Case Case 3:	Dimensions:	in.	80.8 W x 22.5 D x 18 H
		cm.	205.1 W x 57.2 D x 45.7 H
	Weight:	lb.	150
		kg.	68.2

REAR PROJECTION SCREEN DISPLAY

Part Number: 1004180

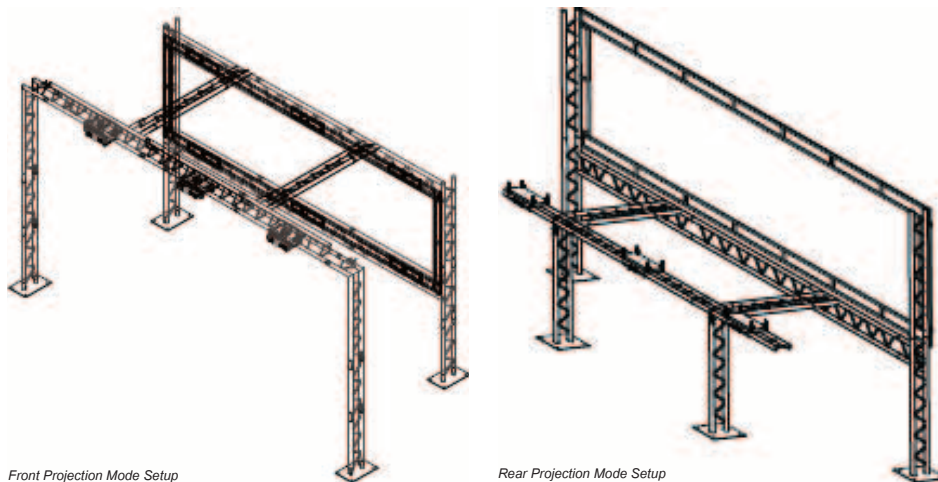
Packed Projector Case Case 1:	Dimensions:	in.	80.8 W x 22.5 D x 18 H
		cm.	205.1 W x 57.2 D x 45.7 H
	Weight:	lb.	150
		kg.	68.2
Packed Screen and Frame Case Case 2:	Dimensions:	in.	80.8 W x 22.5 D x 18 H
		cm.	205.1 W x 57.2 D x 45.7 H
	Weight:	lb.	163
		kg.	73.9
Packed Screen and Frame Case Case 3:	Dimensions:	in.	80.8 W x 22.5 D x 18 H
		cm.	205.1 W x 57.2 D x 45.7 H
	Weight:	lb.	160
		kg.	72.6

DC2E LARGE FRONT/REAR SCREEN DISPLAY

Part Number: 1007655



Designed to fit into a DRASH J Series Shelter, the DC2E Large Front/Rear Projection Screen Display system features three DLP projectors that project three separate large, high resolution viewing areas. Its unique design allows it to be set up in a front or rear projection configuration. The entire system including truss, screen, projectors and cables packs down tightly into four cases. All cases have large handles on all sides, a purge valve and wheels on one end to increase transportability.



Front Projection Mode Setup

Rear Projection Mode Setup

Features:

- Native 1400 x 1050 (SXGA+) resolution. Accepts resolutions from 640 x 480 through 1920 x 1200.
- Front projection configuration features three independent viewing areas of 54" x 72" x 90" diagonal.
- Rear projection configuration features three independent viewing areas of 45" x 60" x 75" diagonal.
- Images are greater than 48" above the floor allowing for ease of viewing from the back of the TOC.
- Three DLP projectors are designed for 24/7 operation. Includes long life mechanical elements, such as magnesium and ceramics, as well as over specified fans and a color wheel engine.
- Fully sealed optical architecture ensures faultless operation in harsh environments. Depot level, 8000 hour maintenance kit replaces all moving parts.
- 2000/3000 hour lamp life, 300-watt lamp and 2600 ANSI lumens. Each projector weighs only 9 lbs and has a low noise level of only 28 dB(A).
- Power 100-240 VAC, 12A, 50/60 Hz.
- Lightweight 2" tube frame structure with rugged black coating supports projectors and screen. Includes adjustable feet for uneven terrain.
- Each of the three projector mounts allow for easy adjustments and stow attached to the projector.
- Setup time for either front or rear configuration is less than 30 minutes using four people. No tools required.

Packed Projector Case Case 1:	Dimensions:	in.	80.8 W x 22.5 D x 18 H
		cm.	205.1 W x 57.2 D x 45.7 H
	Weight:	lb.	165
		kg.	74.8
Packed Screen and Frame Case Case 2:	Dimensions:	in.	80.8 W x 22.5 D x 18 H
		cm.	205.1 W x 57.2 D x 45.7 H
	Weight:	lb.	175
		kg.	79.4
Packed Screen and Frame Case Case 3:	Dimensions:	in.	80.8 W x 22.5 D x 18 H
		cm.	205.1 W x 57.2 D x 45.7 H
	Weight:	lb.	192
		kg.	87.1
Packed Screen and Frame Case Case 4:	Dimensions:	in.	80.8 W x 22.5 D x 18 H
		cm.	205.1 W x 57.2 D x 45.7 H
	Weight:	lb.	167
		kg.	75.7

TUFF-TABLES™

TACTICAL UTILITY FIELD FURNITURE



Features:

- Constructed from lightweight, rustproof, powder coated aluminum, TUFF-TABLES™ are durable and made for field use.
- Includes convenient storage space on the underside to hold cables, wires, mobile phone chargers, etc.*
- Folds for easy transport/storage.
- Supports 2,000 lbs (907 kg) of distributed weight.
- Cable management adapters available as an accessory.*
- Height from top of table measures 29.75"; leg clearance height measures 28".

* Features apply only to BP300A005

Small: BP300A005	Dimensions:	in.	24 x 72
		cm.	61 x 183
	Weight:	lb.	32
		kg.	17
Large: BP300A000-00001	Dimensions:	in.	30 x 72
		cm.	76 x 183
	Weight:	lb.	38
		kg.	14.5

IDD5™

INTELLIGENT DATA DISTRIBUTION SYSTEM

Part Number: 1009700



The newest product to join the DRASH line of Deployable Command and Control Equipment (DC2E), the Intelligent Data Distribution System (IDD5™) offers users a durable, cost-effective method of distributing power and network connectivity throughout a temporary or fixed facility.

Able to connect to any table measuring one to two inches in thickness, the DRASH IDD5 allows personnel to store and protect cables while sharing power and network connectivity with up to six workstations. As many as three boxes can be daisy-chained together for extended power and network distribution. Made to withstand the harshest of field conditions, the IDD5 is rapidly deployable and can easily be stored and transported from one location to the next.

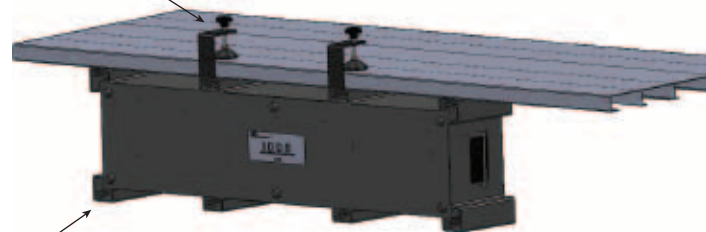
Features Include:

- Supports a wide range of communication technologies, including VoIP, video streaming and IP video conferencing
- Reduces the amount of cabling run across a facility to each workstation/operator position
- Clamp design allows box to attach to a wide range of field equipment
- Lightweight and stackable for easy mobility

I/O Panel:

- 2 separate 1GB networks, managed switches, 6 operator ports and network activity window
- 15 AMP resettable circuit breaker, power indicator L.E.D.
- NEMA 5-15 straight blade AC input/outputs
- 1 Duplex GFCI Outlet with trip indicator, 3 Duplex Outlets (GFCI Protected)
- Labels above and below each port for operation in either orientation
- Separate network highlighted by red background
- Stowed Dimensions: 44.5"L x 12.5"H x 10.5"D
- Stowed Weight (Calculated) : 40 lbs

CLAMPS
• Accommodates table thicknesses of 1 – 2"



LUGS

- Multiple clamp location options
- Stand off from table for cable routing
- Stand off from surface moisture
- Ability to hang from other surfaces
- Protects latches from damage

MICROPHONE SYSTEM

Part Number: 1003688



Features:

- Includes Nine Delegate Stations, One Chairman Station and One Control Unit.
- Participants may easily follow and take part in a discussion through a table top station loudspeaker and a station microphone.
- The Chairman's Station allows the operator to take over the conference session with a push of a button.
- Control unit can handle up to 25 stations per line equaling a total of 50 stations.

Packaging:

The Microphone System with supplied extension cables stow in two cases. Both cases have integrated wheels for easy transport.

Case 1:	Dimensions:	in.	22 W x 31.3 D x 9.3 H
		cm.	55.9 W x 79.5 D x 23.6 H
	Weight:	lb.	36
		kg.	16.3
Case 2:	Dimensions:	in.	22 W x 31.3 D x 9.3 H
		cm.	55.9 W x 79.5 D x 23.6 H
	Weight:	lb.	28.5
		kg.	12.9

CLOCK SYSTEMS



Features:

- Available in either 3 or 4 panel display with vinyl* or digital lettering
- Vinyl lettering adheres to panel while digital lettering comes with software CD for all time zones worldwide
- Clock numerals are 4" in height and zone lettering are 1.2" in height enabling visibility up to 125 ft.
- Powered by 120VAC with current draw less than 35 watts
- Lithium battery back-up good for 10 years

Packaging:

The Clock System comes in a durable stow case with integrated wheels and handles for easy portability. Each case also includes power supply and power cable. Dimensions for stow case: 72.41"W x 6.61" H x 15.16"D

Note:

* Customer needs to specify what time zones they want.

System Name	Weight with Case
Vinyl 3 Time Zone Clock 1010608	49 lbs. / 22.2 kg.
Digital 3 Time Zone Clock 1010595	50 lbs. / 22.7 kg.
Vinyl 4 Time Zone Clock 1010594	54 lbs. / 24.5 kg.
Digital 4 Time Zone Clock 1010596	69 lbs. / 31.3 kg.

IPT REMOTE MONITOR

Part Number: 1011592



Features:

- The IPT (Intelligent Power Technology®) Remote Monitor allows an operator to remotely monitor up to 10 IPT Gensets simultaneously.
- It uses the same connection methods as the IPT Gensets making connections to the communications bus as simple as adding an additional genset.
- An RJ45 port is used to connect the IPT Remote Monitor to the local network or directly to a computer. A local user can simply enter the IP address of the IPT Remote Monitor and setup the generator(s) they would like to monitor.
- The operator can view the generator's engine information such as fuel level, water temperature and oil pressure. The operator can also view the generators power information such as overall generator voltage, frequency, total load and load per phase.

Power Requirements:

- 120VAC @60Hz
- Current Draw less than .15 Amps

Packed Case:

- 19" W x 15" D x 7" H
- 15.5 lbs.

DC2E AUDIO-VISUAL SYSTEMS

DC2E Audio-Visual Systems come in four different configurations: Mini, Small, Medium and Large (see next few pages). The following features are available for all configurations:

- Diskless components for increased reliability. Systems do not require additional software.
- Supports multiple displays and display types.
- POTS Line connects to standard analog phone line for audio conferencing.
- CTL LAN connects to LAN for WEB-based control of the AV System.
- Display processor combines 4 or 8 real-time video and computer inputs in Windows onto one display. Windows can be scaled up to full screen. Capable of accepting and displaying images with a resolution of up to 1600 x 1200.
- Includes molded, weather-resistant transport cases for the control system and accessories.



Notes:

* CV will auto-detect composite video (PAL / NTSC)

** CV will auto-detect HD / SD-SDI / composite video (PAL / NTSC)

DC2E A/V SYSTEM COMPARISON MATRIX																	
System Name	Video Inputs			Video Outputs		Multi - Window		Audio Inputs		Audio Outputs		Touch - Panel		Web Control	Acc. Case	Tele - Conf	Powered Speaker
	HD15 (RGB)	CAT5 (RGB)	CV	HD15	CAT5	4 Win	8 Win	Mic Level	Line Level	Line Level	With Video	W/O Video	Yes/No	QTY	Yes/No	QTY	
Large A/V System 120-240VAC 1005865	1	20	4*	3	12	4	0	4	4	4	1	0	Yes	2	Yes	2	
Medium A/V System 120-240VAC 1005216	1	12	4*	3	4	3	0	4	4	4	1	0	Yes	1	Yes	2	
Small A/V System 120-240VAC 1005218	1	8	2*	3	4	2	0	3	4	4	1	0	Yes	1	Yes	2	
Mini A/V System 120-240VAC 1005124	4	0	4**	1	0	0	1	2	2	2	0	1	Yes	1	Yes	1	

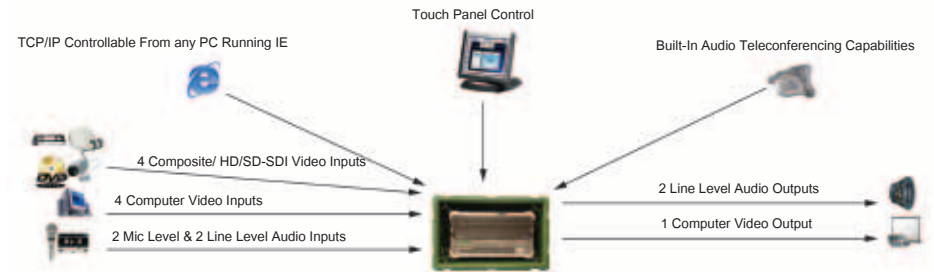
MINI AUDIO-VISUAL SYSTEM

Part Number: 1005124

Features:

- Interface via touch panel or secure Internet connection.
- Video In: Four HD15 Computer Inputs that accept up to 1920 x 1200 resolution. Four BNC Inputs automatically detect HD/SD-SDI & Composite (PAL/NTSC) for DVD/SAT TV and/ or Camera/UAV video.
- Audio In: Two Mic Level XLR Inputs and two Line Level XLR Inputs for DVD/SAT TV audio.

- Video Out: One HD15 output supporting multiple user selectable output resolutions.
- Audio Out: Two Line Level XLR outputs, one dedicated to speaker.
- Includes one AC-powered speaker with integrated 20 Watt amplifier for audio distribution.



Packaging:

Mini AV Case

Molded, weather resistant, OD green case contains Control Processor, an Eight Window Video Processor and Audio Mixer.

Accessory Transport Case

Includes cables, touch panel and speaker.

Mini AV Case:	Outer Dimensions:	in.	40.4 L x 27 W x 16.6 H
		cm.	103 L x 69 W x 42 H
	Packed Weight:	lb.	115
		kg.	52
Accessory Transport Case:	Outer Dimensions:	in.	24 L x 20.5 W x 15 H
		cm.	61 L x 52 W x 38 H
	Packed Weight:	lb.	54
		kg.	25

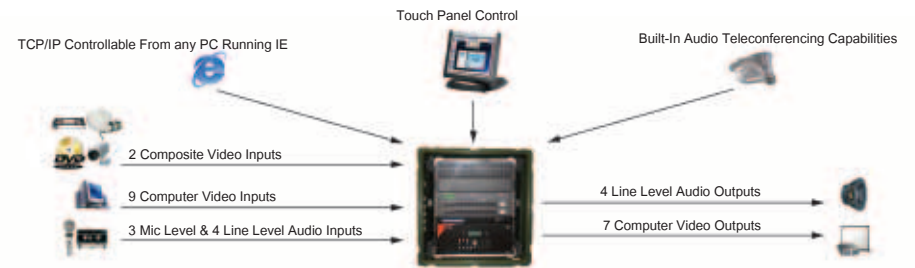
SMALL AUDIO-VISUAL SYSTEM

Part Number: 1005218

Features:

- Control Interface via touch panel or secure Internet connection. Touch panels may also be used to view/cue video to be displayed on projection screens.
- Long Distance Video Distribution System: Uses RGBHV over CAT5 technology for long distance video distribution with minimal signal degradation.
- Video In: One HD15 and eight CAT5 Computer Inputs that accept up to 1600 x 1200 resolution. Two BNC Composite (PAL/NTSC) Inputs for DVD/SAT TV or Camera/UAV video.
- Audio In: Three Mic Level XLR Inputs and four Line Level XLR Inputs for DVD/SAT TV audio.
- Video Out: Three HD15 and four CAT5 Computer Outputs.

- Audio Out: Four Line Level XLR outputs; one dedicated to speaker.
- Includes two AC-powered speakers with integrated 20 Watt amplifier that can be daisy chained together for audio distribution.



Packaging:

Small AV Case

Molded, weather resistant OD green case contains Control Processor, two Four Window Video Processors, a Quad Channel Video Scaler, an Audio Mixer and 12 x 12 RGBHV Matrix Switcher.

Accessory Transport Case:

Includes cables, touch panel, speakers and CAT5 TX/RX units.

Small AV Case:	Outer Dimensions:	in.	40 L x 27 W x 27.9 H
		cm.	101 L x 69 W x 71 H
	Packed Weight:	lb.	211
		kg.	96
Accessory Transport Case:	Outer Dimensions:	in.	30 L x 21.5 W x 30 H
		cm.	76 L x 55 W x 76 H
	Packed Weight:	lb.	138
		kg.	63

MEDIUM AUDIO-VISUAL SYSTEM

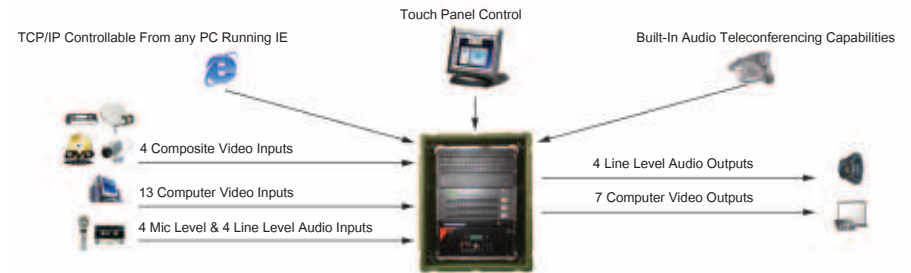
Part Number: 1005216

Features:

- Control Interface via touch panel or secure Internet connection. Touch panels may also be used to view/cue video to be displayed on projection screens.
- Long Distance Video Distribution: Uses RGBHV over CAT5 technology for long distance video distribution with minimal signal degradation.
- Video In: One HD15 and 12 CAT5 Computer Inputs that accept up to 1600 x 1200 resolution. Four BNC Composite (PAL/NTSC) Inputs for DVD/SAT TV and Camera/UAV video.
- Audio In: Four Mic Level XLR Inputs and four Line Level XLR Inputs for DVD/SAT TV audio.
- Video Out: Three HD15 and four CAT5 Computer Outputs.

- Audio Out: Four Line Level XLR outputs, one dedicated to speaker.
- Includes two AC-powered speakers with integrated 20 Watt amplifier that can be daisy chained together for audio distribution.

Medium AV Case:	Outer Dimensions:	in.	40.4 L x 27 W x 33 H
		cm.	103 L x 69 W x 84 H
	Packed Weight:	lb.	220
		kg.	99.8
Accessory Transport Case:	Outer Dimensions:	in.	30 L x 21.5 W x 30 H
		cm.	76 L x 55 W x 76 H
	Packed Weight:	lb.	151
		kg.	68



Packaging:

Medium AV Case

Molded, weather resistant OD green case contains Control Processor, three Four Window Video Processors, a Quad Channel Video Scaler, an Audio Mixer and a 20 x 20 RGBHV Matrix Switcher.

Accessory Transport Case

Includes cables, touch panel, speakers and CAT5 TX/RX units.

LARGE AUDIO-VISUAL SYSTEM

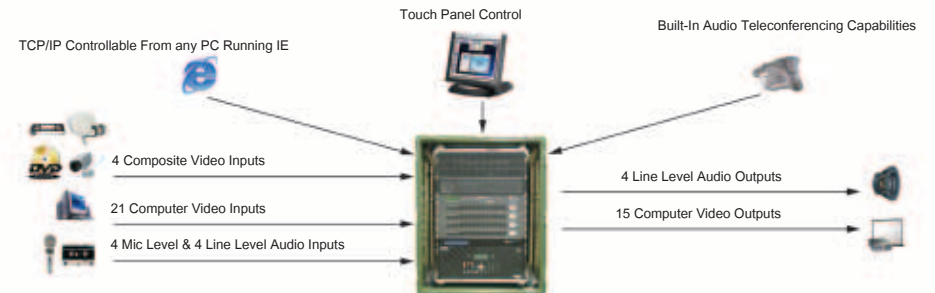
Part Number: 1005865

Features:

- Interface via touch panel or secure Internet connection. Touch panels may also be used to view/cue video to be displayed on projection screens.
- Long Distance Video Distribution: System uses RGBHV over CAT5 technology for long distance video distribution with minimal signal degradation.
- Video In: One HD15 and 20 CAT5 Computer Inputs that accept up to 1600 x 1200 resolution. Four BNC Composite (PAL/NTSC) Inputs for DVD/SAT TV or Camera/UAV.
- Audio In: Four Mic Level XLR Inputs and four Line Level XLR Inputs for DVD/SAT TV audio.
- Video Out: Three HD15 and twelve CAT5 Computer Outputs.
- Audio Out: Four Line Level XLR outputs, one dedicated to speaker.

- Includes two AC-powered speakers with integrated 20 Watt amplifier that can be daisy chained together for audio distribution.

Large AV Case:	Outer Dimensions:	in.	40.4 L x 27 W x 33 H
		cm.	103 L x 69 W x 84 H
	Packed Weight:	lb.	228.6
		kg.	103.7
Accessory Transport Case:	Outer Dimensions:	in.	30 L x 21.5 W x 30 H
		cm.	76 L x 55 W x 76 H
	Packed Weight:	lb.	173.8
		kg.	78.8
Accessory Transport Case 2:	Dimensions:	in.	30 L x 21.5 W x 30 H
		cm.	76 L x 55 W x 76 H
	Weight:	lb.	147.6
		kg.	67



Packaging:

Large AV Case

Molded, weather resistant, OD green case contains Control Processor, four Four Window Video Processors, a Quad Channel Video Scaler, an Audio Mixer and a 32 x 32 RGBHV Matrix Switcher.

Accessory Transport Case 1:

Cables, touch panel and speakers.

Accessory Transport Case 2:

Includes CAT5 TX/RX units and cables.