

VIDEO WALL SERIES

Naval 2x3x46" Video Wall



2 x 3 x 46"
VIDEO WALL SOLUTION
FOR NAVAL APPLICATIONS

KEY FEATURES

- Secured System (off network on request)
- One graphic computer serving all video walls
- Independant scenarios on each video wall
- Unique mechanical design providing easy access to each LCD
- Flexible landscape & portrait modes
- Fiber optic link between video walls
- LCD keypad available to control each video wall
- Up to 40 displays on the same server, distributed in different video walls
- Up to 80 video captures
- Shock isolation structures designed to handle MIL S 901D
- Ship interface can be customized to match existing foundations

OVERVIEW

Derived from the MILCOTS Mobile Video Wall solutions dedicated to landforces Joint Operations centers or C4Is, this naval version provides the same features and meets naval specifications for use, installation and environment, including MIL S 901 and MIL STD 167.

Collaborative work is achieved while keeping each source secure. The MILCOTS Naval video wall brings the latest technology of image distribution and display technology while meeting the most stringent shock and vibration requirements. The unique mechanical design of the MILCOTS Naval video wall allows easy access to each display in the wall and addresses the maintainability and expected onboard support requirements, even in extreme naval operating conditions.

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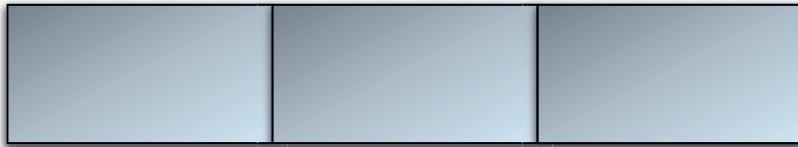
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Main Features		46" monitor		
Display area (2x3x46")	Diagonal size	128"	Dot pitch	0.53 mm (H), 0.53 mm (V)
	Dimensions	120" x 45"	Viewing angles	178° (H) / 178° (V)
	Resolution	5760 x 2160	Response time	8 ms (G to G)
	Screen ratio	16:9	Contrast ratio	3500 : 1
	Brightness	450 cd/m ²	Display color	8 bit - 16.7 M
	Graphic controller	Video outputs	6 x Full HD (1920 x 1080) display ports 1 x Full HD (1920 x 1080) DVI for local display	
Video inputs (option available)		10 x DVI Full HD (1920 x 1080) display ports 1 x composite		
Audio	1 x 60 W equalizer	1 x microphone		
	1 x RCA inputs	2 x speakers		
	1 x anti-larsen box			
Software	Wall Control 10 (Datapath)			
Operating system	Windows 10 PRO			
Electrical features	110-240 VAC, 50-60 Hz, 1200 W max consumption			
Operational configuration				
6 x MILCOTS 46" thin bezel monitors		1 x sound equipment (60 W-amplifier equalizer + microphone + speakers)		
1 x connecting cables bundle keyboard + mouse + soft keyboard		1 x UPS		
Display wall controller		DATAPATH VSN 970		
Graphic cards	1 x Image DP6: 6 x display port video output connectors			
	2 x Quadri Capture Vision HD4: 8 x DVI video input connectors			
	1 x Capture Vision HV-HD: 2 x DVI video outputs + composite video input connectors			
Hard drive	2 x Western Digital RED 2TB			
I/O	Back: 2 x USB 3.0, 2 x USB 2.0, 1 x DVI-D, Front: 2 x USB 3.0			
Electrical features	115-240 V, 550 W consumption			
Physical features	17.5" x 16.1" x 7.2" , 53 lbs, aluminum enclosure, black			
Operating system	Windows 10 Pro 64 OEM, Secure Computer System			
Options				
Controller	Expansion slots available: up to 80 video captures			
Configuration	Can be adjusted into a 3x3x46 video wall			
Multiplex	Can drive additional independent video walls from the same sources - cable or fiber interface			
Luminance	700 cd/m ² (DID grade 24/7 ready monitor)			
Environmental Conditions				
Vibrations	MIL STD 167, 4-33 Hz			
Shocks	MIL STD 810, MIL S 901D, MIL DTL 901E (with embedded shock isolation structure)			
Humidity	30 to 80% as per MIL STD 810			
Ingress Protection	IP50			
Operating temperature	+ 5° to + 35° C as per MIL STD 810			
Storage temperature	- 20° to + 49° C as per MIL STD 810			
Warranty				
Two-year limited warranty (parts and labor)				
Additional 2 years coverage and customized service plans available on request.				

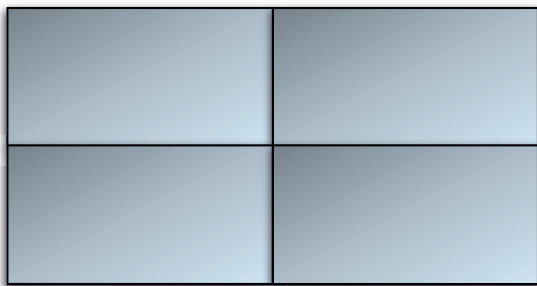
PRODUCT CONFIGURATIONS



2x1
Thickness: 18" (458mm)
Resolution: 3840x1080
290 lbs (130kg)



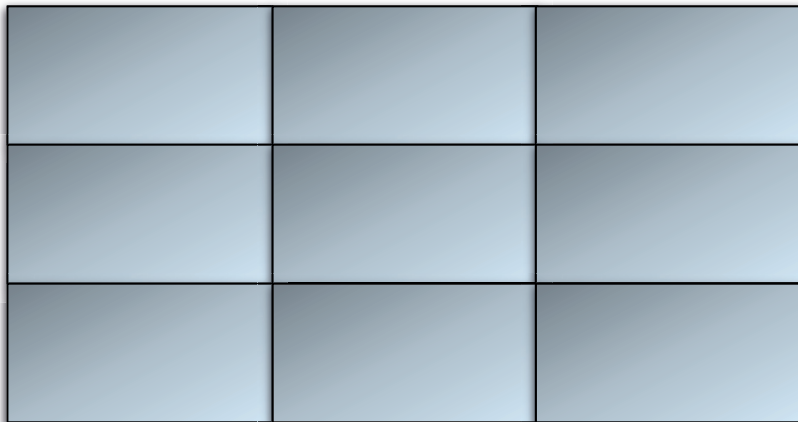
3x1
Thickness: 18" (458mm)
Resolution: 5760x1080
440 lbs (200kg)



2x2
Thickness: 18" (458mm)
Resolution: 3840x2160
463 lbs (210kg)



3x2
Thickness: 18" (458mm)
Resolution: 5760x2160
728 lbs (330kg)



3x3
Thickness: 18" (458mm)
Resolution: 5760x3240
1014 lbs (460kg)

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STRUCTURE

The support structure is a lightweight welded aluminum chassis, designed to receive up to 9 standard monitors 46" thin bezel (5mm image to image). The displays arrangement leads to various configurations

3x1 Structure



The MILCOTS's patented structure is qualified to resist shock and vibration inputs up to MIL S 901D inputs, and allows the system to pass the requirements of MIL STD 167. The folding and sliding shutter-system provides an easy access to each individual display of the wall, making installation and maintenance operations on the ship straightforward.

3x2 Structure



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VIDEO WALL SYSTEM DESCRIPTION

MILCOTS partners with Datapath systems to propose an innovative global solution suitable for any type of C4 centers, whether they are deployed on navy ships or in ground shelters.

Using a protected single graphic server, any video source or combination of sources, will be displayed anywhere, keeping safely the original captured graphic source.



WallControl 10 allows multiple walls to be addressed by a single graphic server. Video walls located in separate areas of the ship can be independently driven from the command center where the graphic server is located. Multiple walls can be easily set up using the wall creator wizard: each wall can be assigned a unique set of sources or video resources.

Each wall is locally managed through a programmable pad with shortcut keys recalling various scenarios in one click.

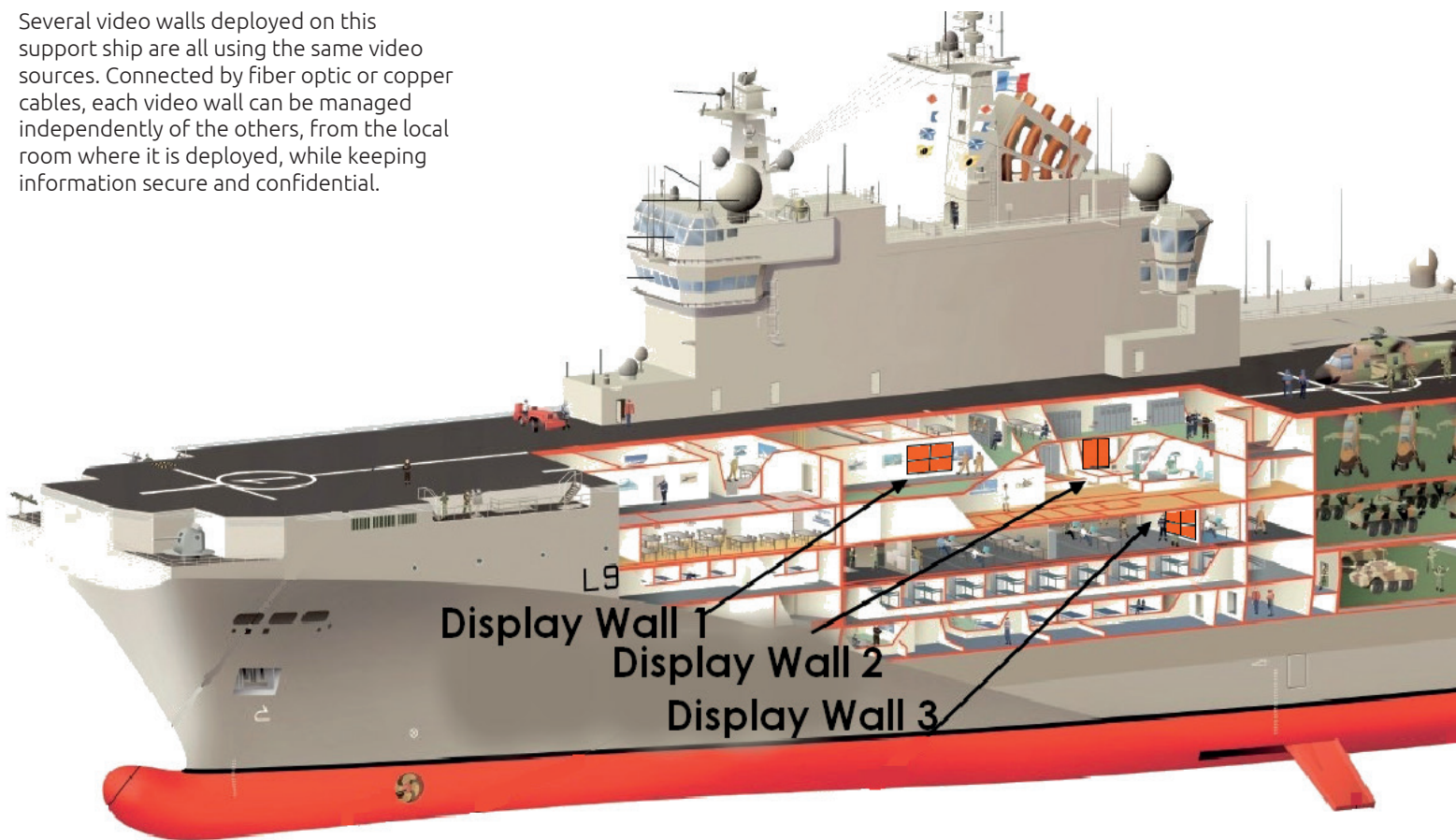


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EXAMPLE OF EMBEDDED MULTI WALL DISPLAY SYSTEM

Several video walls deployed on this support ship are all using the same video sources. Connected by fiber optic or copper cables, each video wall can be managed independently of the others, from the local room where it is deployed, while keeping information secure and confidential.



By proposing a shock isolation system capable of meeting the requirements of MIL S 901D and MIL STD 167, MILCOTS brings the versatility and flexibility of the latest generation of video walls inside any kind of navy ship.

Currently deployed on several NATO vessels and certified by NATO forces, the MILCOTS naval video walls are now available for deployment on US CVN, DDG, LHD, LHA... MILCOTS' innovative solutions will define any custom configurations to meet the most challenging installations.

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