VIDEO WALL SERIES

Deployable systems

2 x 2 x 55"

DEPLOYABLE QUAD 55 VIDEO WALL SOLUTION

KEY FEATURES

- 110" screen, 4K
- 20-minute fast, easy and secure assembling
- Ready to use in 30 minutes
- Transportable in weatherproof rugged transit cases
- Can be installed on uneven ground up to 5% incline
- Ideal for temporary indoor, command post & field installations
- Lock out patented system
- Multiple video sources, scalable per application
- User friendly and self explanatory plug and play software

OVERVIEW

The MILCOTS quad 55 deployable LCD video wall is a COTS field-proven system ideal for the military and first responders. Mobile and transportable, it can be reliably deployed anywhere to rapidly provide a command and control or situation awareness in a tactical environment. Widely used by Army forces in the field, it is also the solution of choice for managing any critical situations. It can be set in minutes in a building, under an inflatable tent or in a mobile shelter.

MULTIPLE VIDEO FEEDS FOR MULTIPLE DISPLAYS

The quad 55 MILCOTS video wall is the ideal tool for monitoring and displaying multiple video and audio sources. Easy to assemble, it can be installed on uneven ground while maintaining picture and sound quality. The MILCOTS quad 55" near-seamless video wall is an energy and cost efficient package. Designed around 4x55in digital signage LCDs, and provided with an open architecture graphic controller with expansion slots, this complete solution is prepared for added capability and will grow with the need. Delivered as a complete package, it's a real turn key solution, that can be tailored to specific requests.

See also the MILCOTS' 46 inches 2 x 2 (4 monitors), 2 x 3 (6 monitors) and 3 x 3 (9 monitors) LCD display walls as well as our range of rugged stand alone rugged monitors (HD and 4K)

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Main Features			55" monitor	
Display area	Diagonal size	110"	Dot pitch	0.63 mm (H), 0.63 mm (V)
	Dimensions	95.6'' x 51.2''	Viewing angles	178° (H) / 178° (V)
	Resolution	3840 x 2160 4K	Response time	8 ms (G to G)
	Screen ratio	16:9	Contrast ratio	3500 : 1
	Brightness	500 cd/m²	Display color	8 bit - 16.7 M
Graphic controller	Video outputs	4 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			
Virtual desktop converter	4 x Full HD (1920 x 1080) video display outputs			
Software	Wall Control Red (Datapath)			
	ACM (Samsung) Advanced Color Management			
Operating system	Windows 7 10 PRO			
Electrical features	110-240 VAC, 50-60 Hz, 1200 W max consumption			

Operational configuration	
4 x MILCOTS 55" thin bezel monitors	1 x sound equipment (60 W-amplifier equalizer + microphone + speakers)
1 x support frame lifting mechanism	1 x UPS
keyboard + mouse + soft keyboard	1 x connecting cables bundle

Structure	
Lifting system compact	1 x support structure with embedded lifting system
	4 x ground stabilizers (+ front protected)
	Foot print 3.4 ft x 4.8 ft (1036 x 1460 mm)
Controls	Up & down button (lifting engine)
Height	Adjustable
	Min. height at top of video wall: 77.1'' (1958mm)
	Max. height at top of video wall: 124.1'' (3152mm)

Display wall controller	DATAPATH VSN 970
Graphic cards	1 x Image DP4: 4 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 750 HDD
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, 500 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	Upgrade kit to 2x3 or 3x3 display wall
Multiplex	Can drive a second independent video wall from the same sources - cable or fiber interface
Luminance	700 cd/m² (DID grade 24/7 ready monitor)

Environmental Conditions	
Vibrations	In specific transport case MIL STD 810 uneven road transportation - trucks
Shocks	In specific transport case MIL STD 810
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.

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PATENTED ASSEMBLY PROCESS

Based on D-LED DID technology and providing a 3.5 mm bezel-to-bezel width, the 55in monitor offers a sharp and vivid picture. Making any information easily readable, the MILCOTS 55" Thin Edge - monitor is specifically designed to be mounted and integrated as a video wall. The rear side of the monitor embeds three twist locks (A) and two carrying handles (B) to make assembling & disassembling safe, quick and easy while reducing the gap between displays to the minimum.
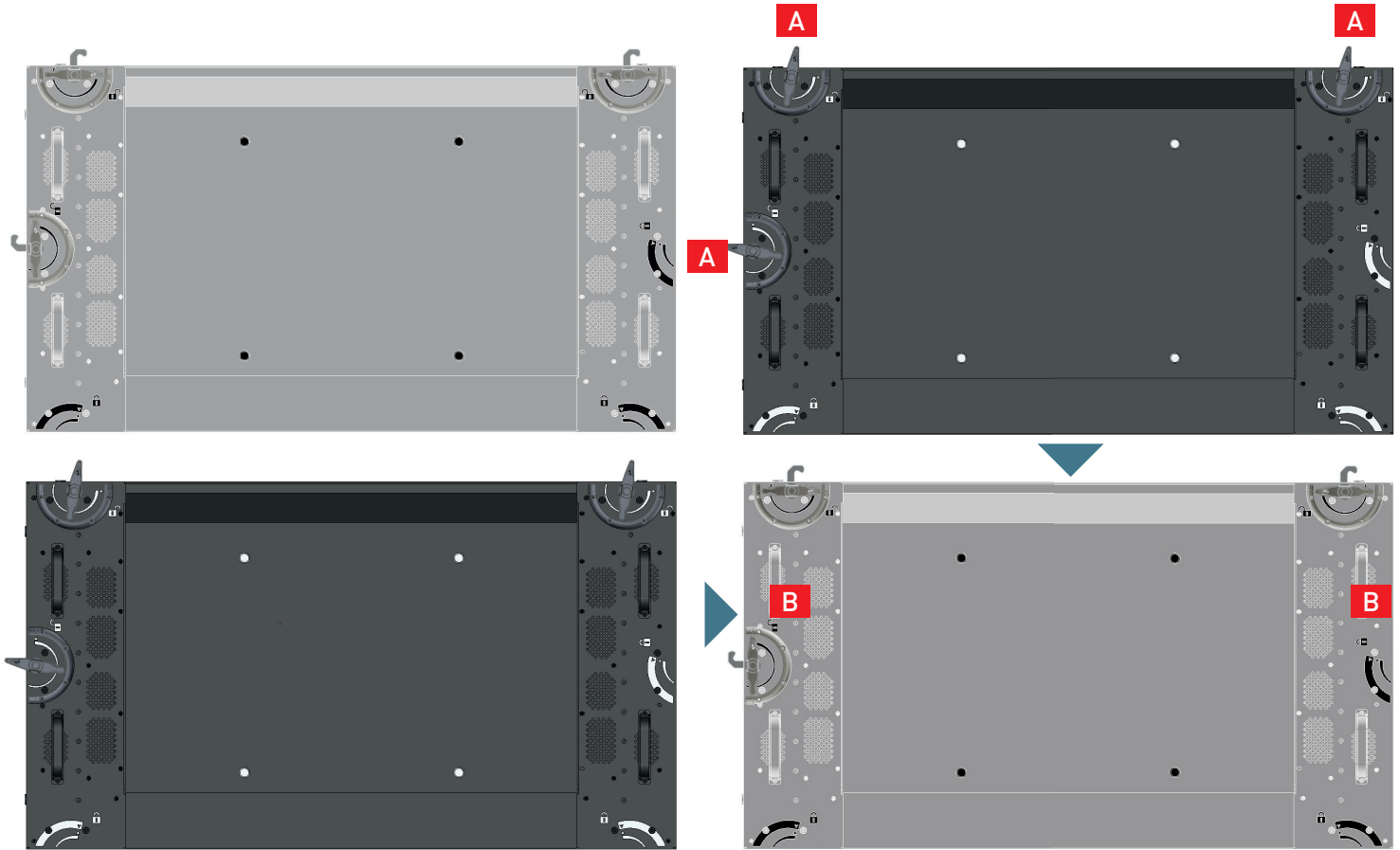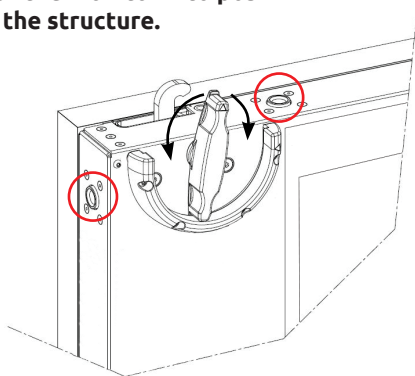

Monitors are secured during integration by means of locking devices.

A

The 3 twist devices lock the monitor into position or release it from the structure.

MILCOTS' patented shock absorbers protect the monitor from being damaged when assembling the wall.

B

Two handles on each side enable 2 persons to carry the monitor.

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DEPLOYABLE VIDEO WALL DESCRIPTION

Thanks to its adjustable height, the MILCOTS deployable video wall is a unique portable information system that fits in a small or a large command post tent. This easy-to-deploy, intuitive and user friendly equipment can be erected by 2 people in less than 20 minutes and ready to use in 30 minutes.

The illustration shows a typical audio and video configuration.
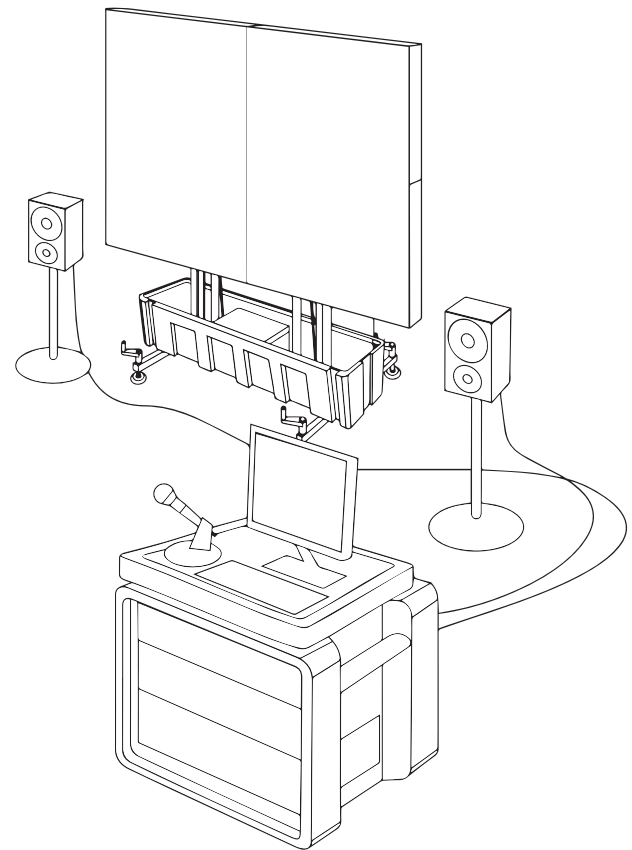
The LCD video wall package is a complete audio & video system

The graphic controller case consists of :

- One graphic controller enabling audio and video
- One sound amplifier & speakers as well as anti-feedback - Larsen - equipment
- One integrated UPS to protect data and equipment against voltage interruptions

FRONT   **REAR**

A programmable keyboard - soft keyboard - will store and recover any previous scenario (*).

(*) *A scenario includes the selection of the video captures to be displayed and combined on the wall at will. For the standard version, 11 video captures are available, and up to 80 if all capture options are implemented in the video wall controller.*
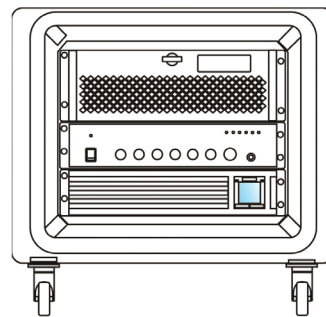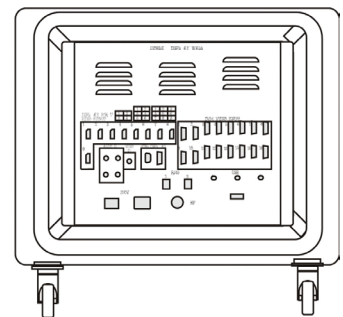
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PRODUCT DESIGN
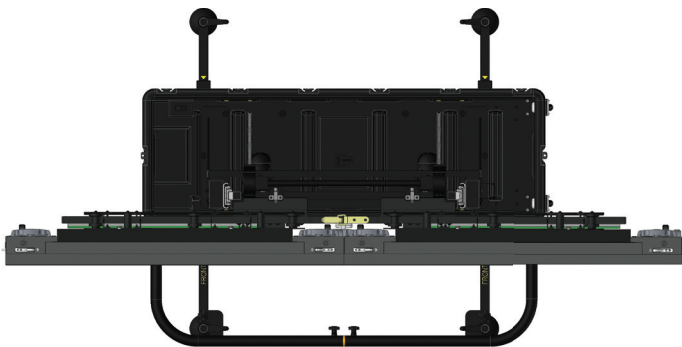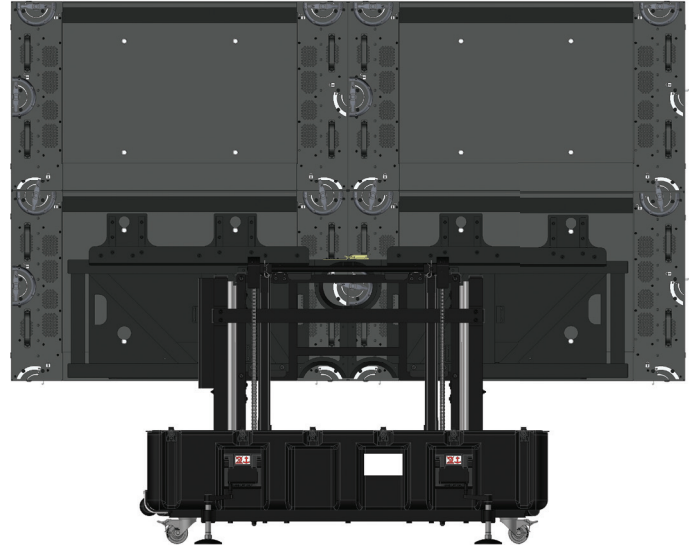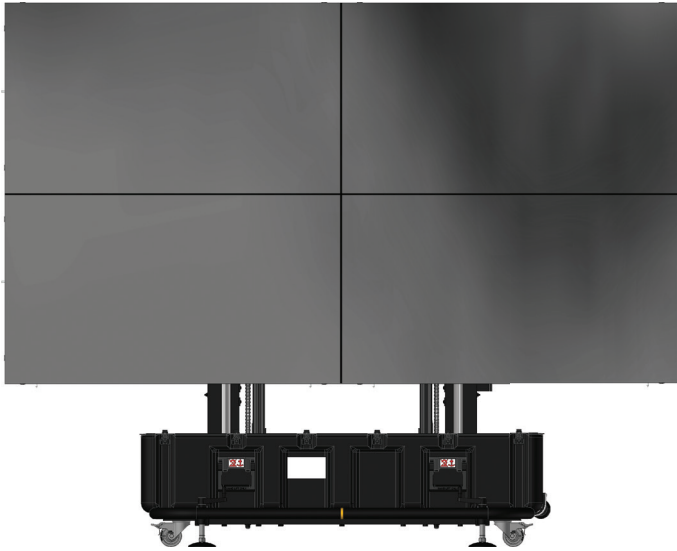
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DIMENSIONS

HEIGHT ADJUSTMENT & SPACE REQUIREMENTS
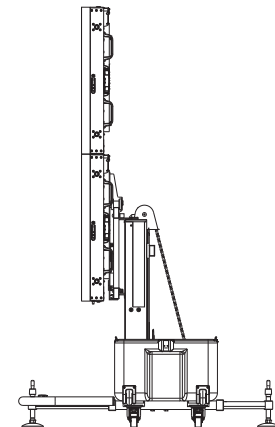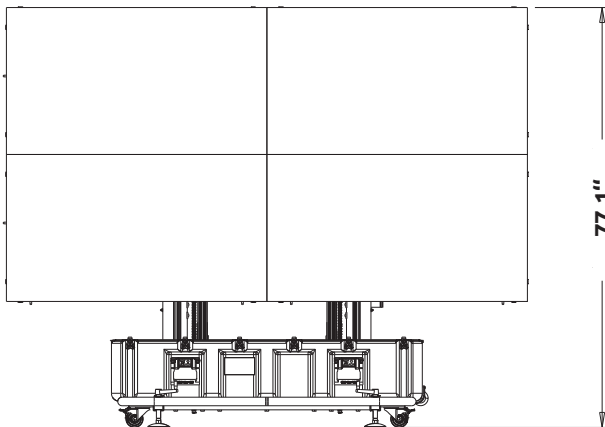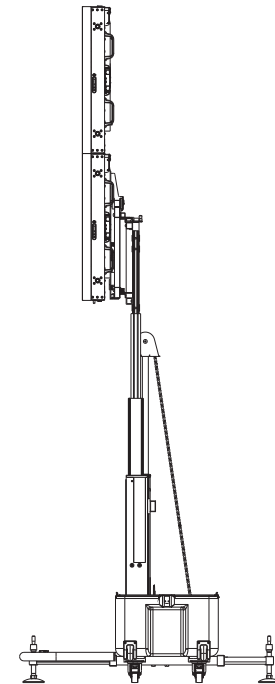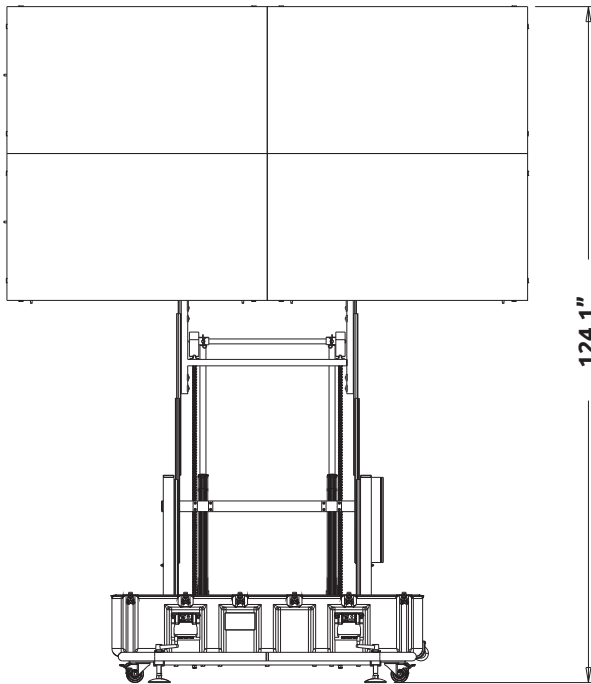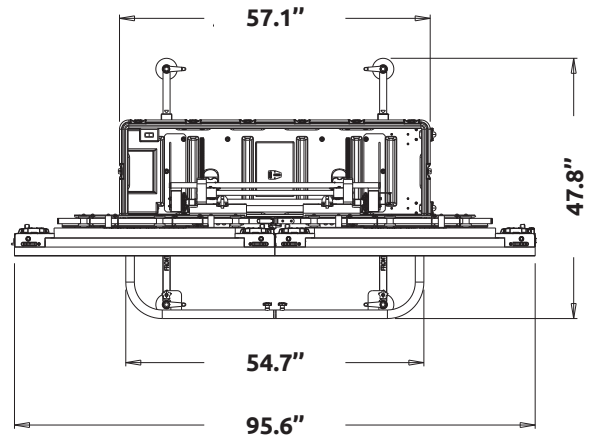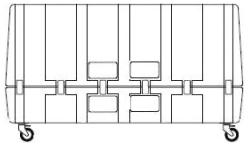
57.1"

47.8"

54.7"

95.6"
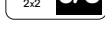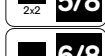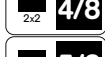
124.1"

77.1"

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MOBILITY / TRANSPORT

The quad-55 video wall can be installed by two persons only. The 4 monitors, support frame, video wall controller and accessories are stored and transported into eight specific cases, labeled for chronological order of assembly :

Cases (8)	
1 x Large case	
Dimensions	45.7''x18.9''x37.6'' (1161 x 479 x 954 mm)
Weight	< 220 lbs (< 100 kg)
Contents	Support frame lifting mechanism
1 x Large case	
Dimensions	45.7''x18.9''x37.6'' (1161 x 479 x 954 mm)
Weight	< 220 lbs (< 100 kg)
Contents	Support frame lifting mechanism accessories
4 x Large cases	
Dimensions	45.7''x18.9''x37.6'' each (1161 x 479 x 954 mm)
Weight	< 220 lbs each (< 100 Kg)
Contents	1 x 55" monitor + câbles
1 x 8U case	
Dimensions	29.5''x27.6''x22.5'' (750 x 702 x 572 mm)
Weight	200 lbs (80 kg)
Contents	Controller
	Secured back panel with silk printed identified connections
	Rackmounted audio amplifier with 3 inputs
	Rackmounted 1000 VA UPS
1 x Reinforced cases	
Dimensions	(31.2''x24.2''x 17.5'') 794 x 615 x 444 mm
Weight	< 125 lbs (< 50 kg)
Contents	1 x Audio Equipment
	+ Virtual desktop Converter
Total weight	
< 730 kg	< 1600 lbs
Total volume / surface area	
20-foot container	9.8 ft (w) x 4.9 ft (d) x 3.3 ft (h) / 48 sq ft 3000 mm (w) x 1500 mm (d) x 1000 mm (h) / 4.5 m²
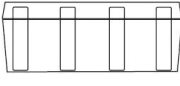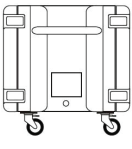
TRANSPORT CASES CONFIGURATION

Standard 2x2 display wall configuration : 8 cases

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WALL OF FAME

« MILCOTS is proud to support armed forces in every theater of operations, bringing solutions helping ensuring national security and enhancing our safety while participating in peacekeeping operations... »

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