



DEFENSE & SECURITY
C3I COMMAND CENTER
DISASTER MANAGEMENT



VISUALIZATION SYSTEMS

DISPLAY WALL SERIES



2 x 2 x 55" DEPLOYABLE LCD DISPLAY WALL



Key Features

- 110" screen, 4K
- 10' fast, easy and secure assembling
- Ready to use in 30'
- Transportable in weather-proof cases
- Can be installed on uneven ground up to 5% incline
- Temporary indoor and field installations
- Patented system

TRANSPORTABLE INFORMATION OVERVIEW SYSTEM

Today's critical field operations rely on visualization to monitor and make tactical decisions IRTS 2 x 2 deployable LCD display wall is a COTS field-proven system for worldwide Army forces requirements and is used by **French Armed Forces**. Mobile and transportable anywhere it produces reliable picture in any location, whether it is a temporary installation in a building, in a shelter or a soft-top cover - such as a field command post or an inflatable tent.

Multiple feeds of information onto multiple displays

The 2 x 2 IRTS display wall is the ideal monitoring and decision-making support tool : Ergonomic and easy to assemble, it can be installed on uneven ground keeping though a consistent sound & image quality.

IRTS 55" monitors near-seamless 2 x 2 LCD display wall is an energy and cost efficient entry level package.

With its specific features, IRTS Rugged 55" Thin Edge - R55TE - monitor is specifically designed for a deployable video wall.

IRTS is constantly striving to promote innovation and respond to market challenges, while maintaining its prices at a competitive level.

See also the IRTS' 46 inches 2 x 2 (4 monitors), 2 x 3 (6 monitors) and 3 x 3 (9 monitors) LCD display walls as well as R46TE 46" & R55TE 55" LCD monitors.

WWW.IRTS-DISPLAYWALL.COM

RUGGED DISPLAYS & COMPUTERS

PRODUCT SPECIFICATIONS

Main Features		2 x 2 Mobile Wall		55" monitor	
Display area	Diagonal size	110"		Dot pitch	0.63 mm (H), 0.63 mm (V)
	Dimensions	2428 (H) x 1300 (V) mm		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
Display wall controller	Video outputs	4 x Full HD (1920 x 1080) display ports			
		1 x Full HD (1920 x 1080) DVI local display port			
	Video inputs	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 secured configuration 2011-094684/DGA MI/DT/SSI/IPS/AI/NC				
Electrical features	230 V, 1200 W max consumption				
Operational configuration					
4 x IRTS R55TE 55" monitors			1 x sound equipment (60 W-amplifier equalizer + microphone + speakers)		
1 x monitors support frame lifting mechanism			1 x UPS		
1 x media server + 24" laptop + keyboard + mouse + soft keyboard			1 x connecting cables bundle		
1 x virtual desktop converter connected to a client PC's PCIe = 4 video display ports outputs					
Structure					
Elevator	1 x mechanized support structure				
	4 x ground stabilizers (+ front protected)				
	Small foot print 1036 x 1460 mm				
Controls	Up & down button for elevator engine				
Height	Adjustable				
	Min. height at top of display wall: 1950 mm				
	Max. height at top of display wall: 2970 mm				
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				
Mother board connectors	Back: 2 x USB 3.0, 2 x USB 2.0, 1 x DVI-D, Front: 2 x USB 3.0				
Electrical features	230 V, 500 W consumption				
Physical features	445 x 410 x 182 mm, 22 kg, aluminum, black				
Operating system	Windows 7 Pro 64 OEM, Secure Computer System				
Options					
Controller	Up to 16 captures display wall controller configuration				
Configuration	Upgrade kit to 2x3 or 3x3 display wall				
Brightness	700 cd/m² brightness, 24/7 operating monitor				
Environmental Conditions					
Vibrations	Specific transport case				
Shocks	Specific transport case				
Humidity	30 to 80%				
Ingress Protection	IP50				
Operating temperature	+ 5° to + 35° C				
Storage temperature	- 20° to + 49° C				
Warranty					
Two-year limited warranty (parts and labor), factory return under RMA procedure.					
Additional 2 years coverage and customized service plans available on request.					



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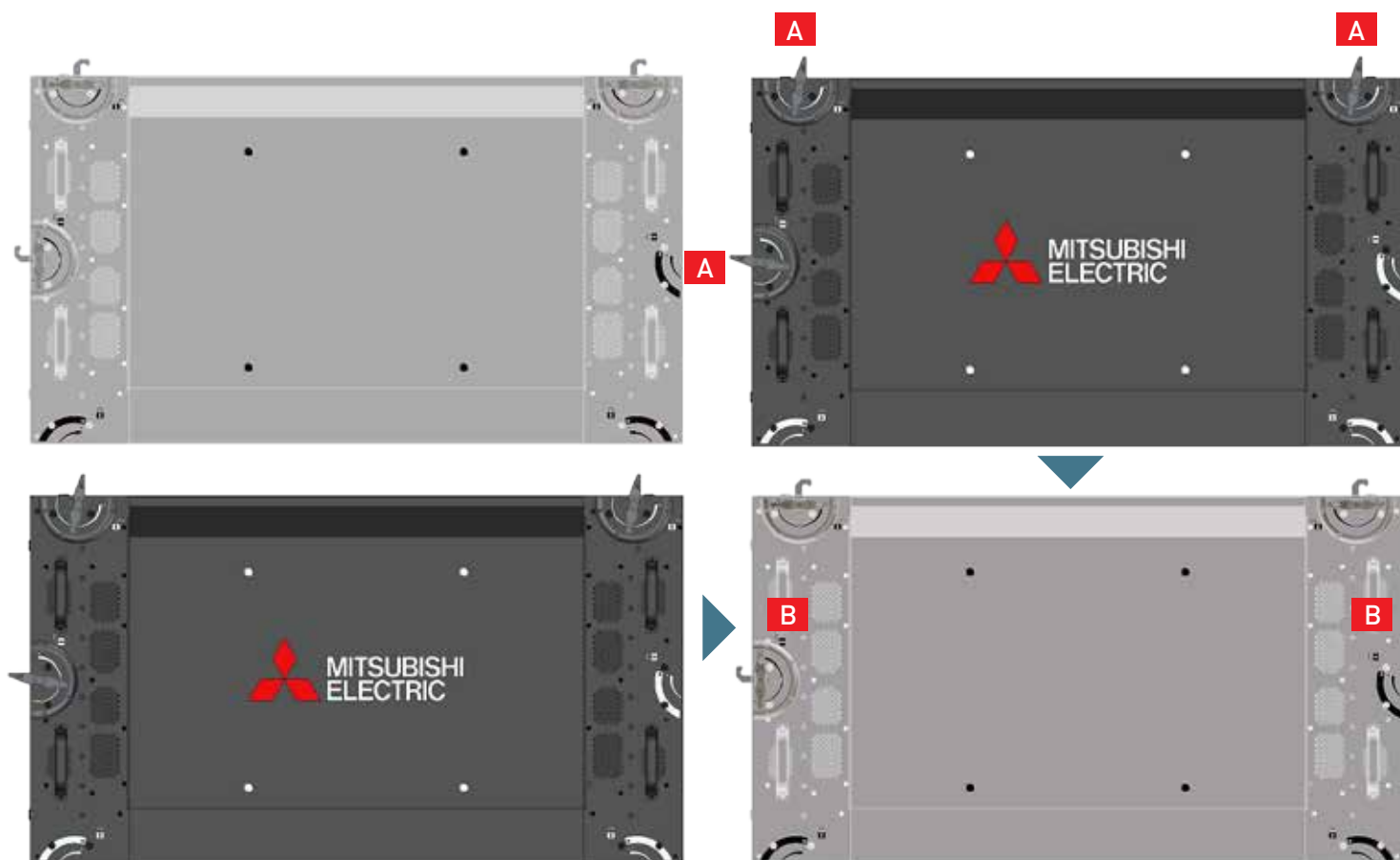
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PATENTED ASSEMBLY PROCESS

Combined with its D-LED DID technology, its 3.5 mm bezel-to-bezel width, the R55TE monitor offers a wide and uniform picture. Display effectiveness is maximized, making any information perfectly readable to any attendance.

IRTS Rugged 55" Thin Edge - R55TE - monitor is specifically designed to be mounted in a video wall. The rear side of the monitor integrates three twist locks (A) and two carrying handles (B) to make assembling & disassembling safe and easy.

55"

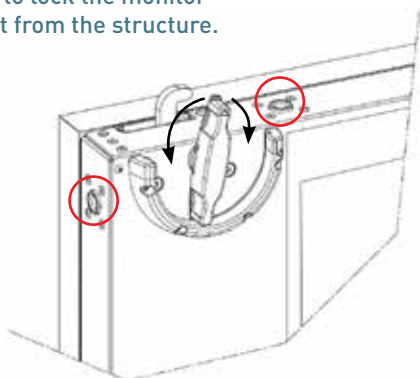


Monitors are secured together by means of locking hooks.

A

The 3 twist locks enable to lock the monitor into position or release it from the structure.

IRTS' 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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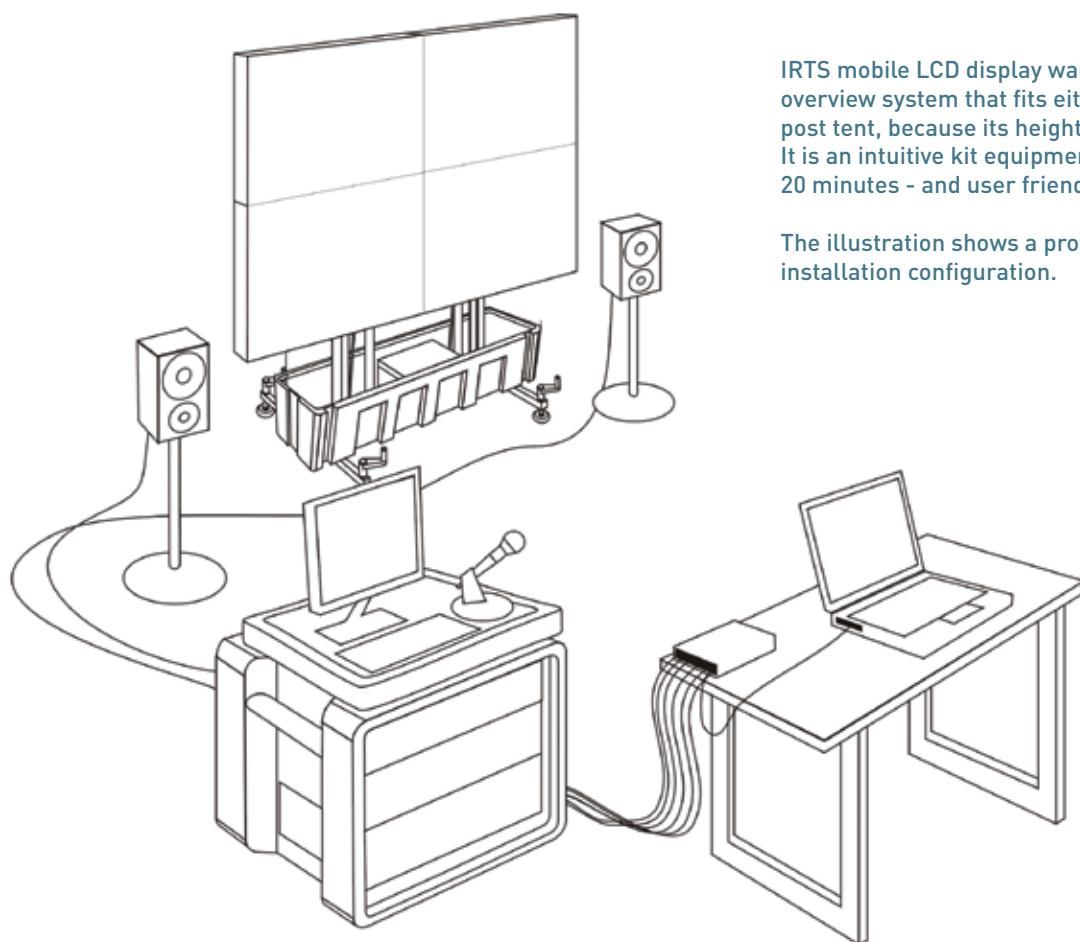
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VIDEO WALL SYSTEM DESCRIPTION



IRTS mobile LCD display wall is a unique portable information overview system that fits either in a small or large command post tent, because its height can be adjusted. It is an intuitive kit equipment, easy to deploy - in less than 20 minutes - and user friendly.

The illustration shows a probable audiovisual installation configuration.

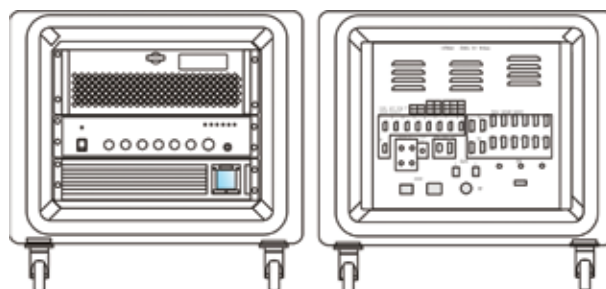
The LCD display wall package is a full audio-visual system. Its display controller case consists of :

- Display **controller** to enable audio and video cabling,
- Sound **amplifier** & speakers as well as anti-feedback - Larsen - equipment,
- Integrity of your data and equipment is ensured by an integrated **UPS**.



FRONT

REAR



A programmable keyboard - soft keyboard - enables recovering any memorized scenario, and using it at the press of a key.

Scenarios are based on a selection of 11 captures displayed on the wall that can be combined at will.

Every piece of data is transferred through cable connection, ensuring therefore full confidentiality - as opposed to wireless communication - of the transmission.



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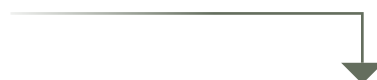
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PRODUCT DESIGN



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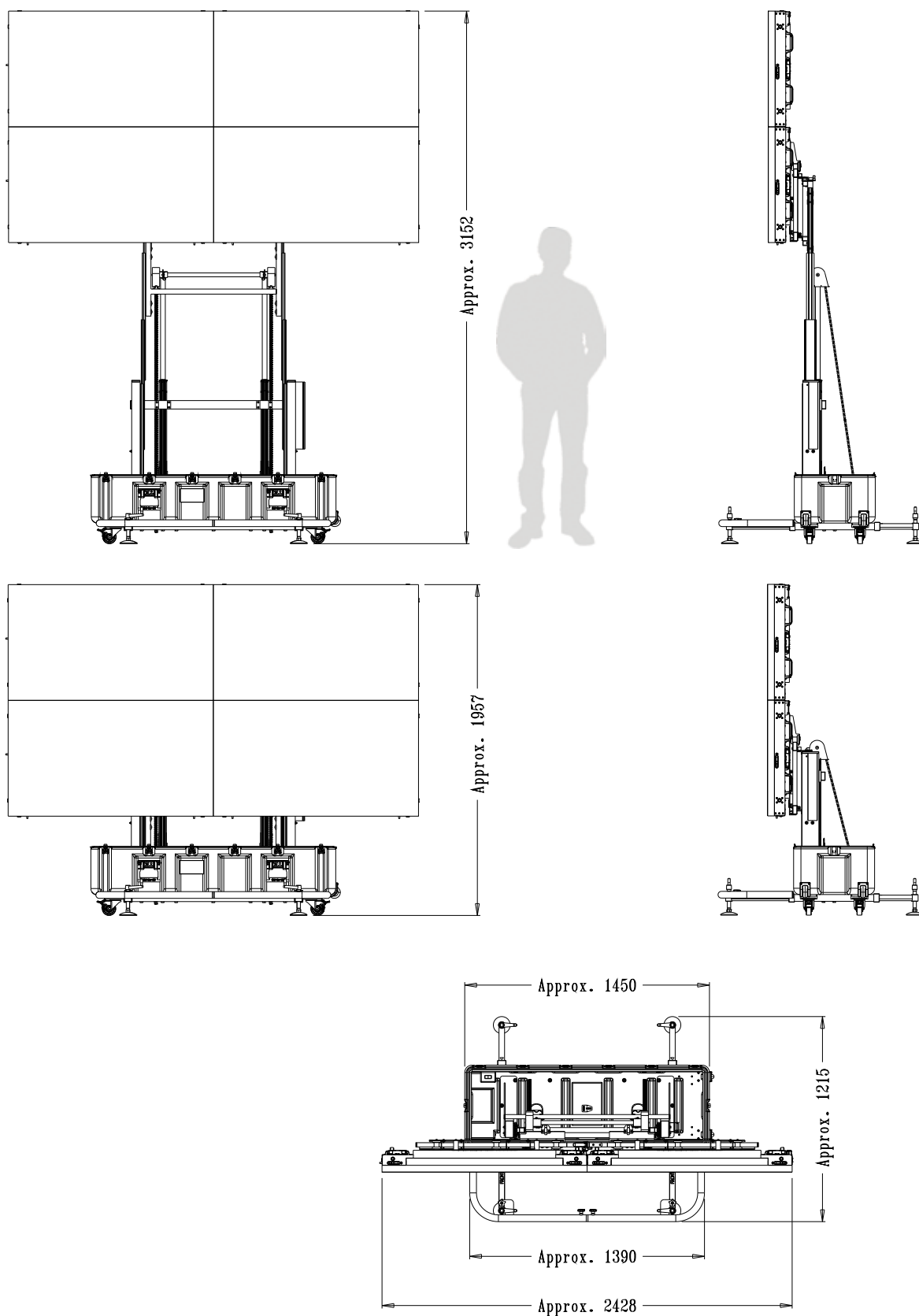
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DIMENSIONS, HEIGHT ADJUSTMENT & SPACE REQUIREMENT

Dimensions are in millimeters (mm).



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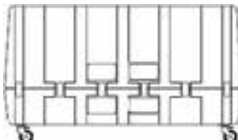


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MOBILITY / TRANSPORT

Transportable, the 55" monitors 2 x 2 wall can be installed by only two persons.

The 4 monitors, support frame, display wall controller and accessories are carried in seven specific cases, labeled for chronological order of assembly :

Cases (7)		
1 x Large case		<div><div><div>2x2</div><div>1/7</div></div><div><div>2x2</div><div>2/7</div></div><div><div>2x2</div><div>3/7</div></div><div><div>2x2</div><div>4/7</div></div><div><div>2x2</div><div>5/7</div></div></div> <div></div>
Dimensions	1161 x 479 x 954 mm	
Weight	< 100 Kg	
Contents	Support frame lifting mechanism	
4 x Large cases		
Dimensions	1161 x 479 x 954 mm each	
Weight	< 100 Kg each	
Contents	1 x 55" monitor + accessories	
1 x 8U case		<div><div><div>2x2</div><div>6/7</div></div></div> <div></div>
Dimensions	750 x 702 x 572 mm	
Weight	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		<div><div><div>2x2</div><div>7/7</div></div></div> <div></div>
Dimensions	794 x 615 x 444 mm each	
Weight	< 50 kg	
Contents	Accessories and cables	
Total weight		
< 580 kg	< 1280 lb	
Total volume / surface area		
20-foot container	2000 (w) x 1900 (d) x 1000 (h) mm / 3.8 m² (41 ft²)	

TRANSPORT CASES CONFIGURATION

Basic 2x2 configuration : 7 cases



ILS 2x2 configuration : 1 additional case



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WALL OF FAME



IRTS is proud to support the French armed forces in every theater of operations where they are involved to ensure national security and our safety as well as to participate in peacekeeping operations.



SICF



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