



## HOMELAND SECURITY MILITARY C3I COMMAND CENTER



### VISUALIZATION SYSTEMS

## DISPLAY WALL SERIES

# 2 x 3 x 46" DEPLOYABLE LCD DISPLAY WALL



105"

### Key Features

- 105" screen of 12 mega pixels
- 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
- Emission security  
TEMPEST standards:
  - NATO SDIP-27 Level A
  - USA NSTISSAM Level 1

### TRANSPORTABLE INFORMATION OVERVIEW SYSTEM

Today's critical field operations rely on visualization to monitor and make tactical decisions IRTS 2 x 3 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 3 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 46" monitors near-seamless 2 x 3 LCD display wall is an energy and cost efficient package. With its specific features, IRTS Rugged 46" Thin Edge - R46TE - 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' 2 x 2 and 3 x 3 LCD display walls and R46TE 46" LCD monitor.

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## PRODUCT SPECIFICATIONS

2 x 3 Mobile Wall				
Main Features			46" monitor	
Display area	Diagonal Size	105"	Dot pitch	0.53025 mm (H), 0.53025 mm (V)
	Dimensions	2036 (H) x 1717 (V) mm	Viewing angles	178° (H) / 178° (V)
	Resolution	3840 x 3240	Response time	8 ms
	Screen ratio	6 : 5	Contrast ratio	3500 : 1
	Brightness	450 cd/m²	Display color	8 bit - 16.7 M
Display wall controller	Video outputs	6 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 anti-larsen box		2 x speakers	
	1 x RCA inputs			
Dedicated workstation	6 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, 1400 W max consumption			
Operational configuration				
6 x IRTS R46TE 46" monitors			1 x sound equipment (60 W-amplifier equalizer + microphone + speakers)	
1 x monitors' lifting mechanism support frame			1 x UPS	
1 x media server + 24" laptop + keyboard + mouse + soft keyboard			1 x connecting cables bundle	
1 x dedicated workstation, 6 activated 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 : 2517 mm			
	Max. height at top of display wall : 2970 mm			
Display wall controller			DATAPATH VSN 970	
Graphic cards	2 x Image DP4: 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 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, 525 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 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-year coverage and customized service plans available on request.				



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639 Boulevard des Armaris ■ 83100 Toulon ■ France

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IRTS NATO CODE : FAAJ7

Contact : sales@irts.fr ■ www.irts-displaywall.com

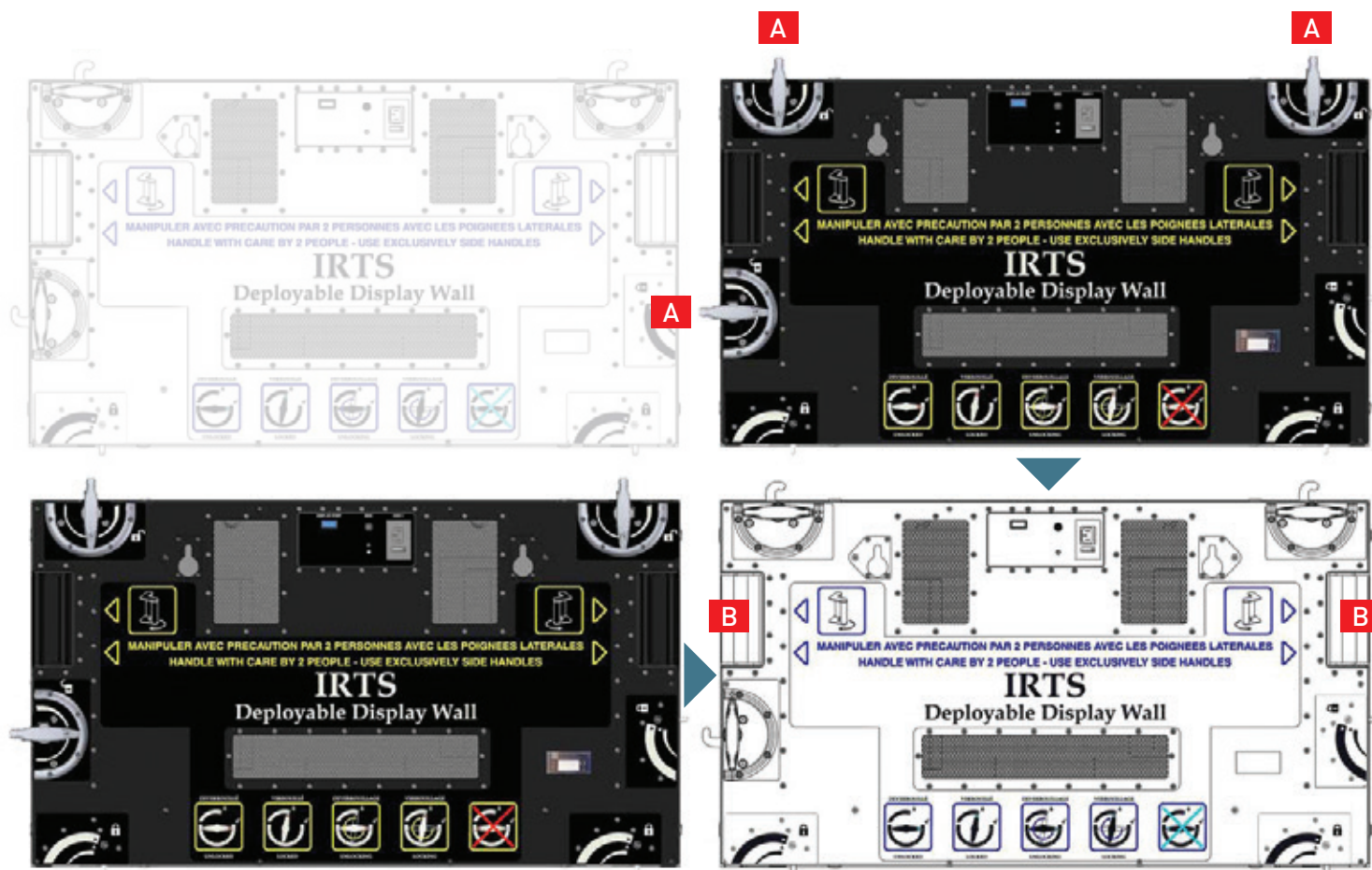
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## PATENTED ASSEMBLY PROCESS

Combined with its D-LED DID technology, its 1.8 mm edges and 5.5 mm bezel-to-bezel width, the R46TE monitor offers a wide and uniform picture. Display effectiveness is maximized, making any information perfectly readable to any attendance.

IRTS Rugged 46" Thin Edge - R46TE - monitor is specifically designed to be mounted in a video wall. The rear side of the monitor integrates three twist locks (A), two carrying handles (B), as well as written handling instructions to make assembling & disassembling safe and easy.

46"

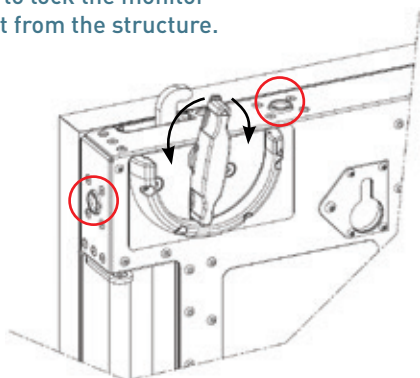


Monitors are secured together by means of locking hooks.

A

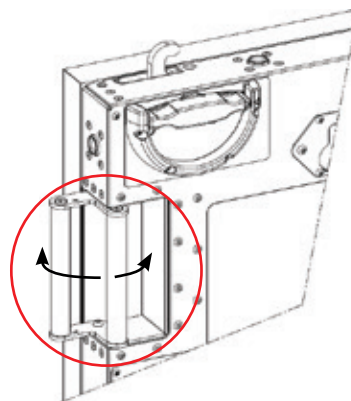
The 3 twist locks enable to lock the monitor into position or release it from the structure.

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



B

A 90° rotation enables to stick the handles out, so 2 persons can carry the monitor.



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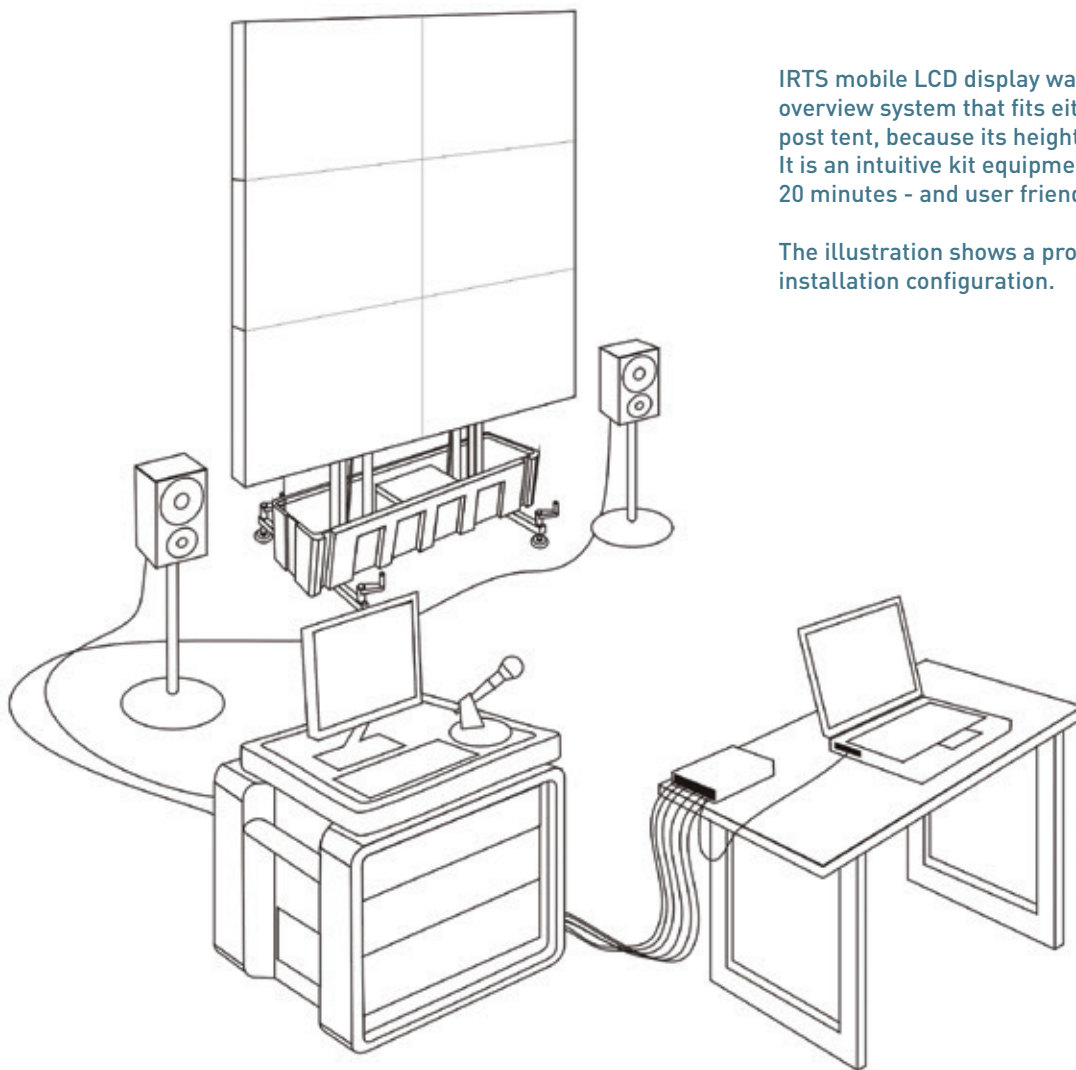
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## VIDEO WALL SYSTEM DESCRIPTION



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.

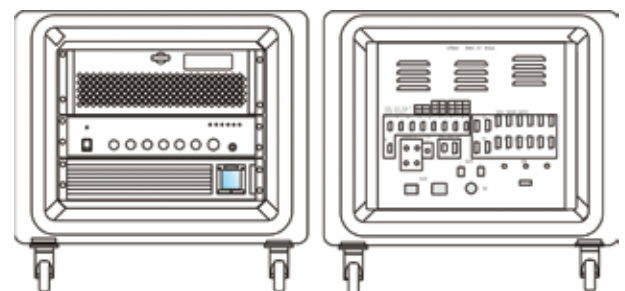
The LCD display wall package is a full audio-visual system. Its display controller case consists of :

- › 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**.
- › 2 x 3 LCD wall offers extended video display outputs via a **dedicated workstation**.



FRONT

REAR



A computer connection enables to drive the controller through a KVM - keyboard, video (monitor) and mouse.

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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## PRODUCT DESIGN

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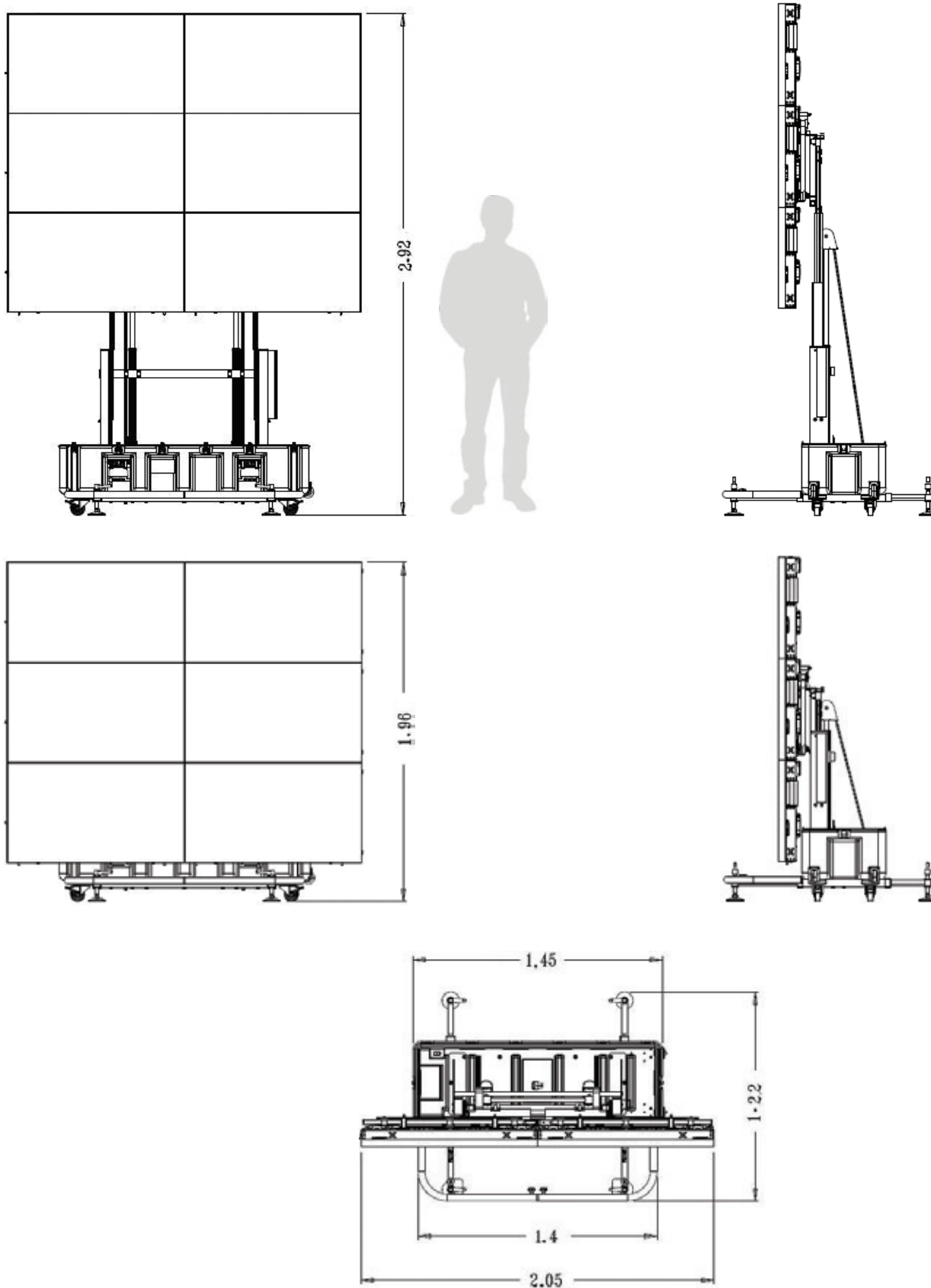
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## DIMENSIONS, HEIGHT ADJUSTMENT & SPACE REQUIREMENT

Dimensions are in meters (m).



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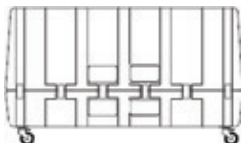




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## MOBILITY / TRANSPORT

Transportable, the 46" monitors 2 x 3 wall can be installed by only two persons.

The 6 monitors, support frame, display wall controller, computer and accessories are carried in 9 specific cases, labeled for chronological order of assembly :

Cases (9)			
1 x Large case			
Dimensions	1161 x 479 x 954 mm		
Weight	< 100 Kg		
Contents	Support frame lifting mechanism		
1 x Large case			
Dimensions	1161 x 479 x 954 mm		
Weight	< 100 kg		
Contents	Support frame lifting mechanism accessories		
3 x Large cases			
Dimensions	1161 x 479 x 954 mm each		
Weight	< 100 Kg each		
Contents	6 x 46" monitors		
1 x 8U case			
Dimensions	750 x 702 x 572 mm		
Weight	80 kg		
Contents	Controller 6/9		
	Secured back panel with silk printed identified connections		
	Rackmounted audio amplifier with 3 inputs		
	Rackmounted 1000 VA UPS		
3 x Reinforced cases			
Dimensions	794 x 615 x 444 mm each		
Weight	< 50 kg each		
Contents	1 x A/V accessories		
	1 x Dedicated workstation - PC, monitor, keyboard, mouse		
	1 x Cables w/ wheels and handles		
Total weight			
< 730 kg	< 1610 lb		
Total volume / surface area			
20-foot container	2500 (w) x 1900 (d) x 1000 (h) mm / 4.5 m <sup>2</sup> (49 ft <sup>2</sup> )		

## TRANSPORT CASES CONFIGURATION

## Basic 2x3 configuration : 9 cases



## ILS 2x3 configuration : 2 additional cases



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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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