



DEFENSE & SECURITY  
C3I COMMAND CENTER  
DISASTER MANAGEMENT



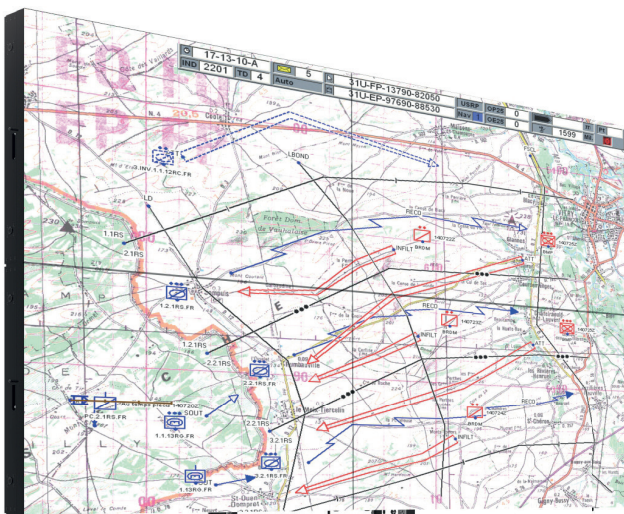
VISUALIZATION SYSTEMS

VIDEO WALL SERIES

**Barco UniSee**

2 x 2 x 55"

DEPLOYABLE VIDEO WALL SOLUTION



110"

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 our range of rugged stand alone rugged monitors (HD and 4K).

#### 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 IRTS 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 IRTS 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 IRTS 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.

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## PRODUCT SPECIFICATIONS

Main Features			55" monitor	
Display area	Diagonal size	110"	Power supply	external
	Dimensions	2428 x 1300 mm (95.6" x 51.2")	Viewing angles	178° (H) / 178° (V)
	Resolution	3840 x 2160 4K	Response time	Barco Sense X
	Bezel	~ 1 mm	Contrast ratio	4000 : 1
	MTBF	100 000 hours	Weight	~ 20 Kg
	Brightness	800 cd/m²	Front screen	protected
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) DVI or HDMI		
		Optional 4K capture card		
Audio	1 x 60 W equalizer	1 x microphone		
	1 x RCA inputs	2 x speakers		
Software	Wall Control Red or Pro (Optional)			
	Barco Sense X calibration system			
Operating system	Windows 10 PRO secured configuration			
Electrical features	230 V, 1200 W max global consumption			
Operational configuration				
4 x IRTS R55TE 55" monitors		1 x sound equipment (60 W-amplifier equalizer + microphone + speakers)		
1 x support frame lifting mechanism		1 x UPS		
1 x server, 24" screen, keyboard + mouse + scenario keyboard		1 x connecting cables bundle		
1 x customized keyboard with 20 programmable keys				
Structure				
Lifting system compact	1 x support structure with embedded lifting system			
	4 x ground stabilizers (+ front protected)			
	Foot print 1036 x 1460 mm (3.4 ft x 4.8 ft)			
Controls	Up & down button (lifting engine)			
Height	Adjustable			
	Min. height at top of video wall: 1958mm (77.1")			
	Max. height at top of video wall: 3152mm (124.1")			
Display wall controller		DATAPATH VSN 970		
Graphic cards	1 x Image DP4: 4 x display port video output connectors			
	3 x Quadri Capture Vision HD4: 8 x DVI video input connectors			
	Optional 4K capture card			
Hard drive	2 x Western Digital SSD 250Go			
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	230 V, 500 W consumption			
Physical features	445 x 410 x 182 mm (17.5" x 16.1" x 7.2"), 22Kg (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			
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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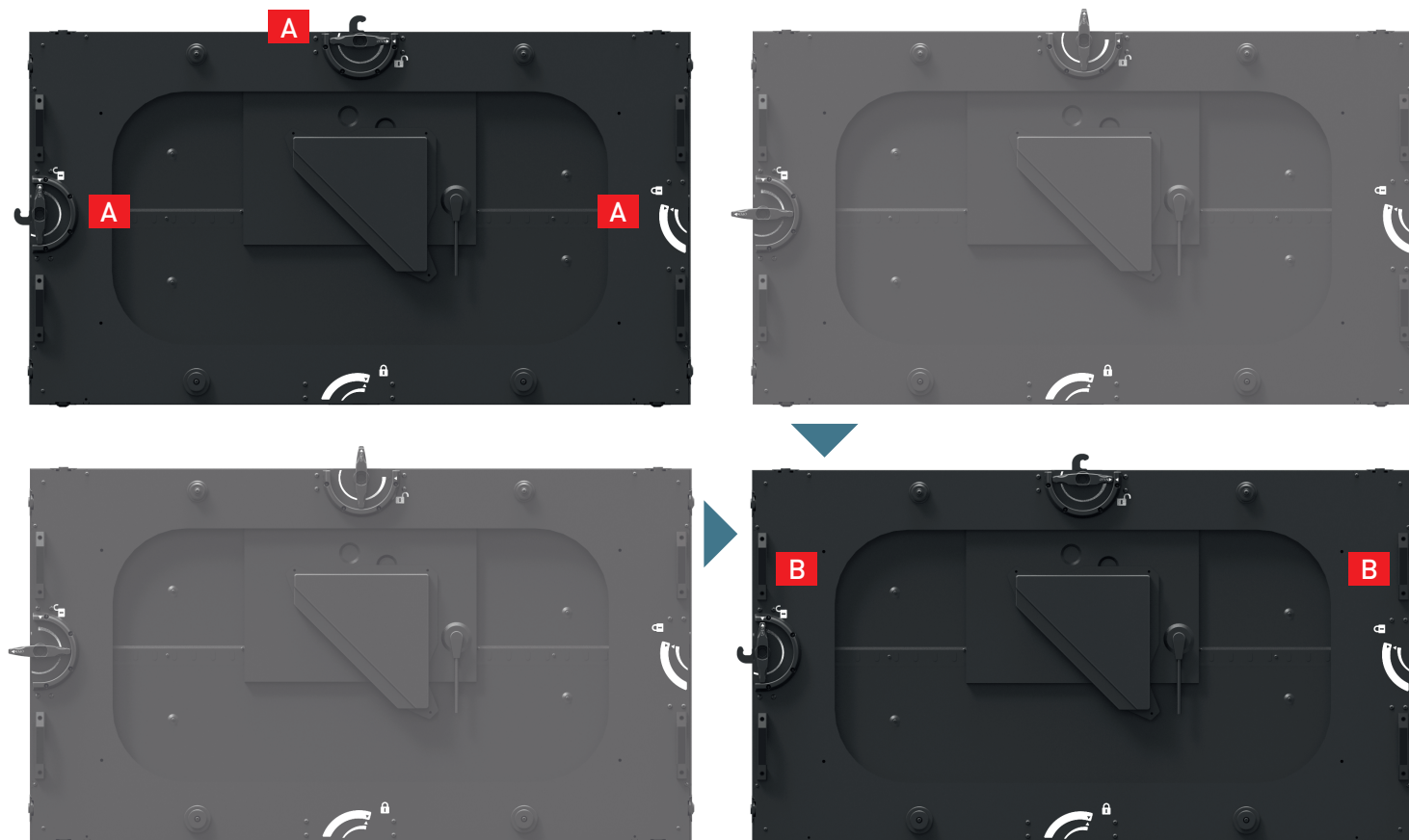
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## PATENTED ASSEMBLY PROCESS

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 IRTS 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.

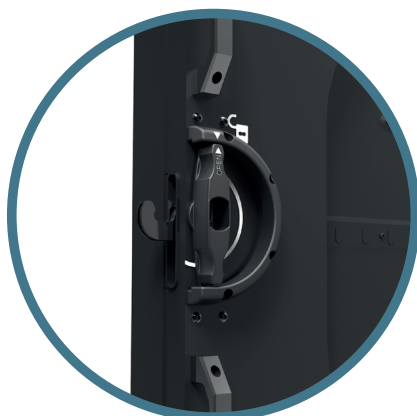


Monitors are secured during integration by means of locking devices.

A

The 2 twist devices 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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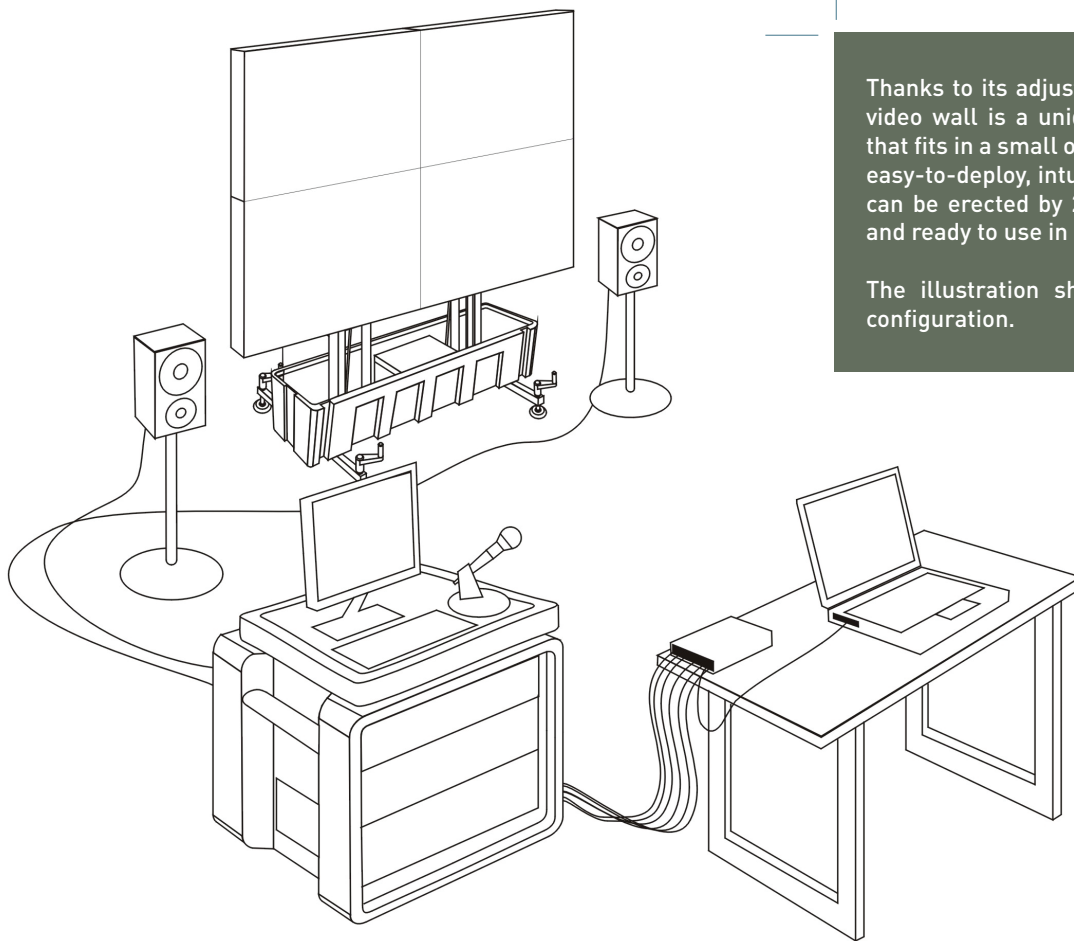
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## VIDEO WALL SYSTEM DESCRIPTION



Thanks to its adjustable height, the IRTS 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.

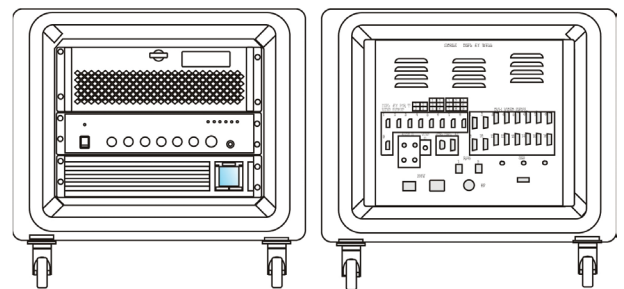
### THE LCD VIDEO WALL PACKAGE IS A COMPLETE AUDIO & VIDEO SYSTEM

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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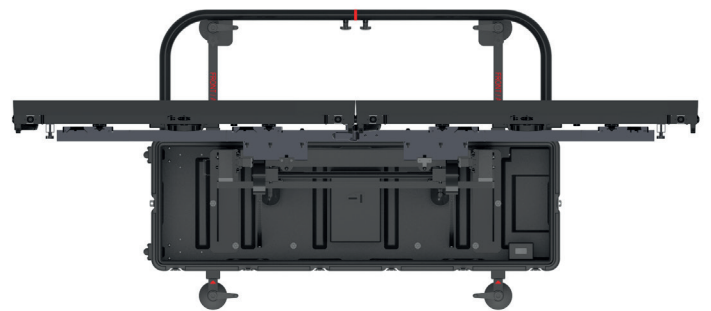
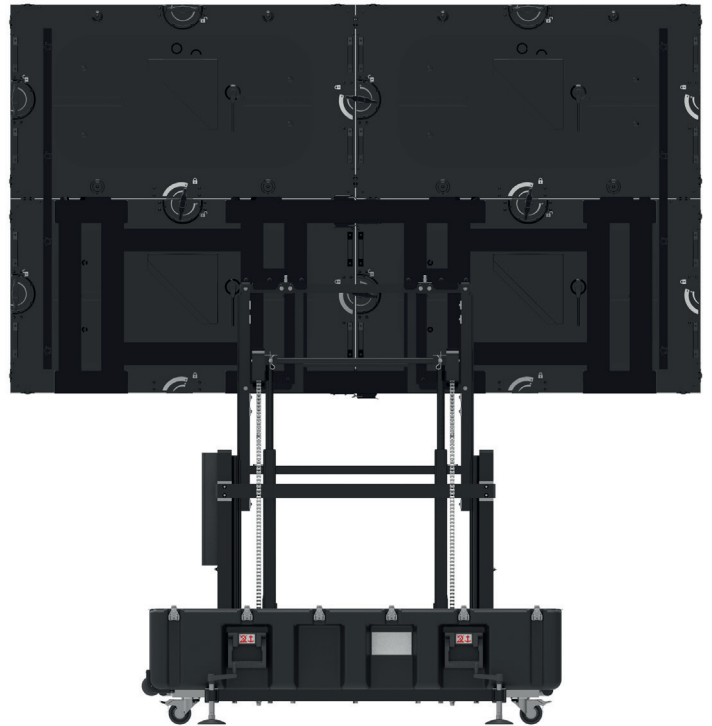
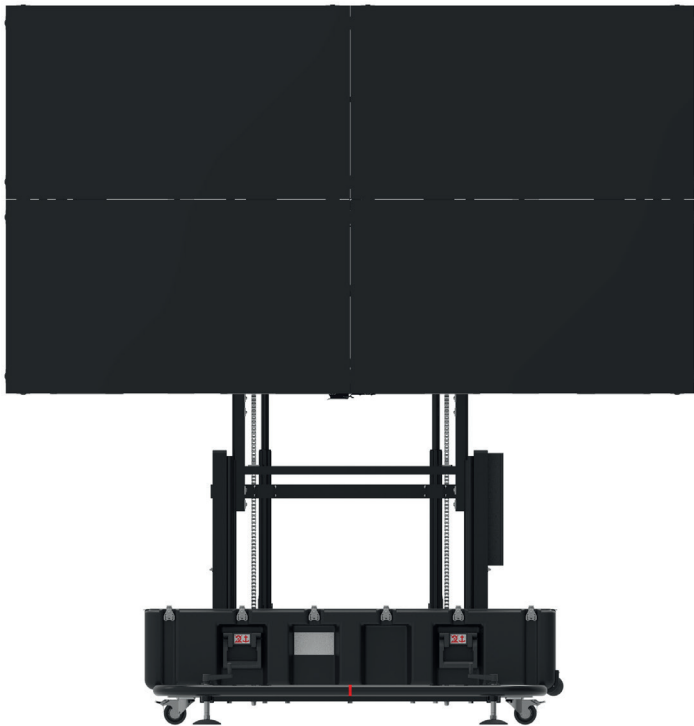
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## PRODUCT DESIGN

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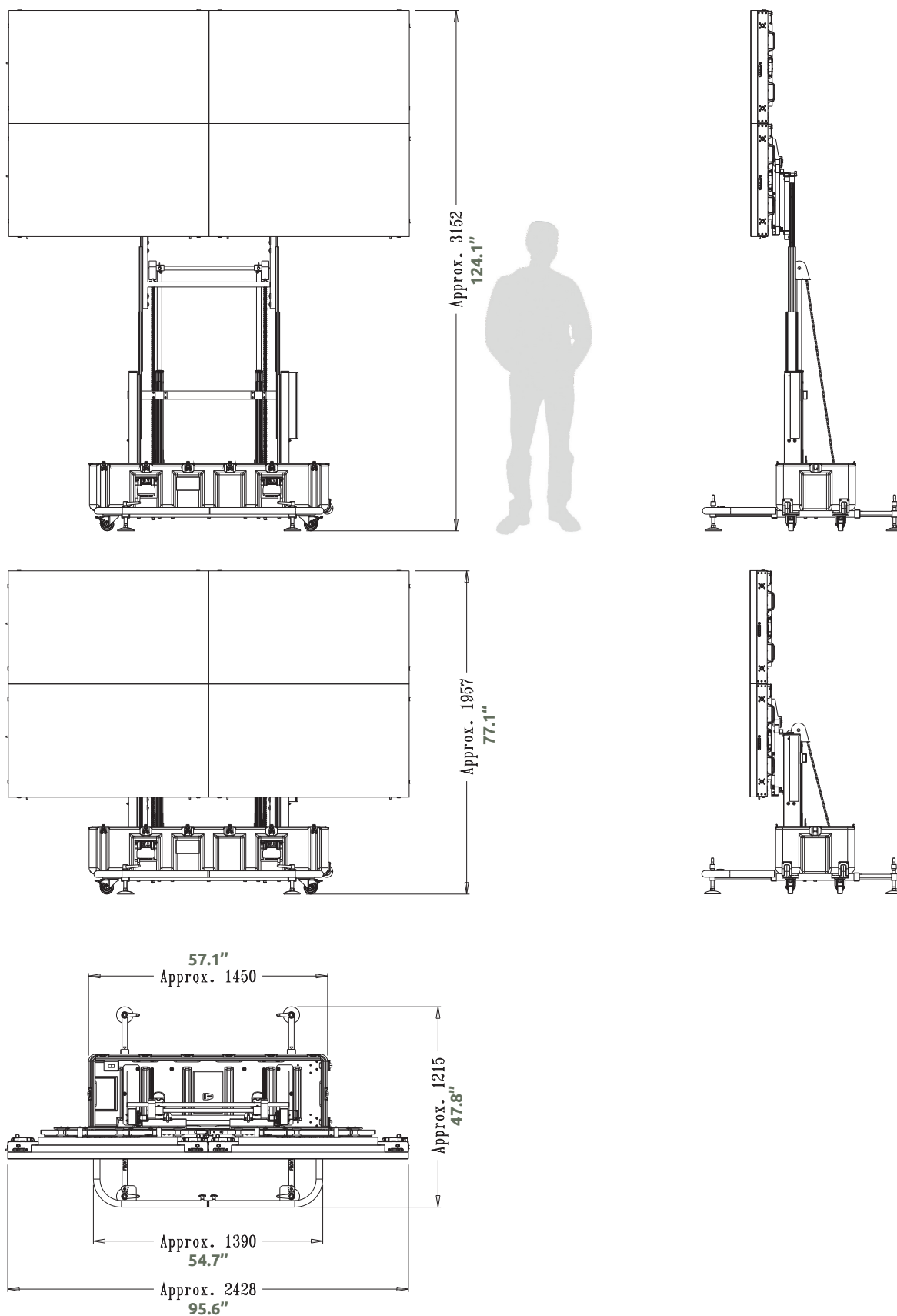
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## HEIGHT ADJUSTMENT & SPACE REQUIREMENT



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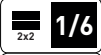
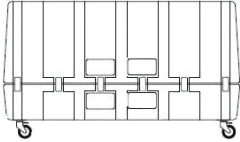
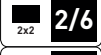
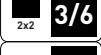
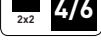
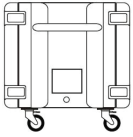
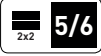

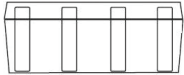
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## MOBILITY / TRANSPORT

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	1161 x 479 x 954 mm (45.7"x18.9"x37.6')		
Weight	< 100 Kg (< 220 lbs)		
Contents	Support frame lifting mechanism		
			
3 x Large cases			
Dimensions	1161 x 479 x 954 mm each (45.7"x18.9"x37.6')		
Weight	< 100 Kg each (< 220 lbs)		
Contents	2 x 55" monitor + câbles		
1 x 8U case			
Dimensions	750 x 702 x 572 mm (29.5"x27.6"x22.5")		
Weight	80 Kg (< 200 lbs)		
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	794 x 615 x 444 mm (31.2"x24.2"x 17.5")		
Weight	< 50 Kg (< 125 lbs)		
Contents	Accessories and cables		
Total weight			
		< 580 kg (< 1280 lbs)	
Total volume / surface area			
20-foot container	2000 (w) x 1900 (d) x 1000 (h) mm / 3.8 m <sup>2</sup> 6.5 ft (w) x 6.2 ft (d) x 3.2 ft (h) / 41 sq ft		

## TRANSPORT CASES CONFIGURATION

Standard 2x2 display wall configuration : 8 cases



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## WALL OF FAME



IRTS is proud to support the French 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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