

Interlocking Flyable LCD Video Wall System

MODULAR FLYING VIDEO WALL FRAME SYSTEM



Assemble and fly seamless concert quality video walls quickly and securely using the Adaptive's singular modular LCD framing system for NEC X461 and X462UN LCD monitors.

Precision-machined connecting bars and compression locks link multiple LCD frames together, horizontally and vertically

in both landscape or portrait orientations, up to 8 x 8 displays. Precisely dimensioned mounting frames and LCD monitors are assembled in tiers and then the completed and locked assembly is flown utilizing a load-rated rigging beam and suspension component system.

Interlocking Flyable LCD Video Wall System

MODULAR FLYING VIDEO WALL FRAME SYSTEM

As each tier is assembled, LCDs are loaded into slotted tracks that lock the LCDs into position. Completed tiers are secured to an upper tier or overhead rigging beam, eliminating substantial labor hours required to assemble and align multiple screens together.

Disassembling video walls is just as easy and safe through the use of quick release aircraft locking pins and lifting blocks.

Rigging Beams in Landscape Orientation



Connect frames horizontally



Load LCD's into frames



Assemble Rigging Beam to frames



Hoist first tier above assembly area



Assemble next tier



Assemble next or last tier



MVFS-X461-LB

Optional Lifting Block for use in lifting and replacing LCDs into road cases.

Features:

- Expands horizontally and vertically, up to 8X8, for concert video displays.
- Landscape or portrait orientations.
- Load-rated Rigging Beams from 1 LCD wide to 5 LCDs wide and up to 8 LCDs deep.
- Rigging Beam secures both to top and bottom of video wall for tilting displays.
- Cam-style compression locks provides seamless alignment between LCDs.
- Precision-machined connecting bars provide rugged overhead lifting and alignment.
- Powder-coated alloy steel welded frames.
- Quick-release locking pins make setup and teardown fast and simple.
- Optional free-standing leg supports makes setup easier and more predictable.

STEP 7



Fly and aim assembled video wall

Interlocking Flyable LCD Video Wall System

MODULAR FLYING VIDEO WALL FRAME SYSTEM

CONFIGURATIONS

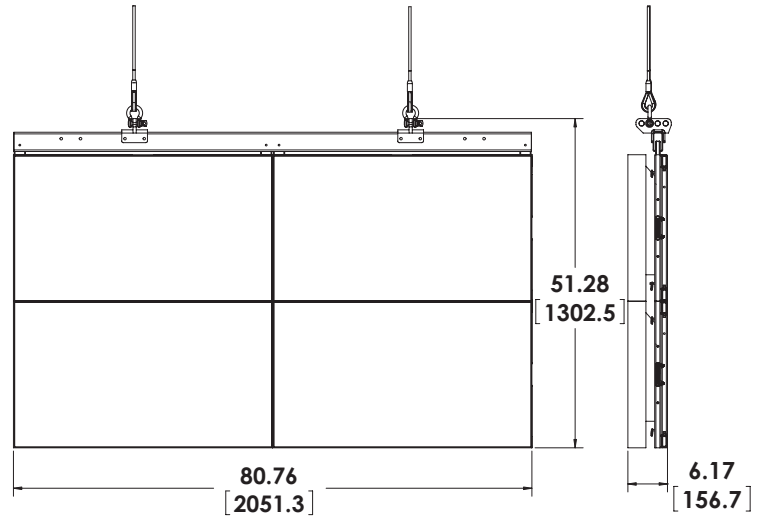
The following configurations represent popular video display patterns, but many more variables are feasible. Contact our applications department for help in designing a custom display to assure a safe and easy to install.

2 X 2 Flying Video Wall (Landscape) 2 wide by 2 deep LCD's, up to 8 deep maximum

4 pcs.	MVFS-X461-T	LCD Frame
1 pc.	MVFS-X461-X2RBL	2-Way Rigging Beam
2 pcs.	MVFS-1.5X2-SME	Shackle Mount

OPTIONAL

24 pcs.	QRP025-1.5L-174	1/4" X 1.5" Quick Release Pin
4 pcs.	QRP375-2.5L-174	3/8" X 2.5" Quick Release Pin

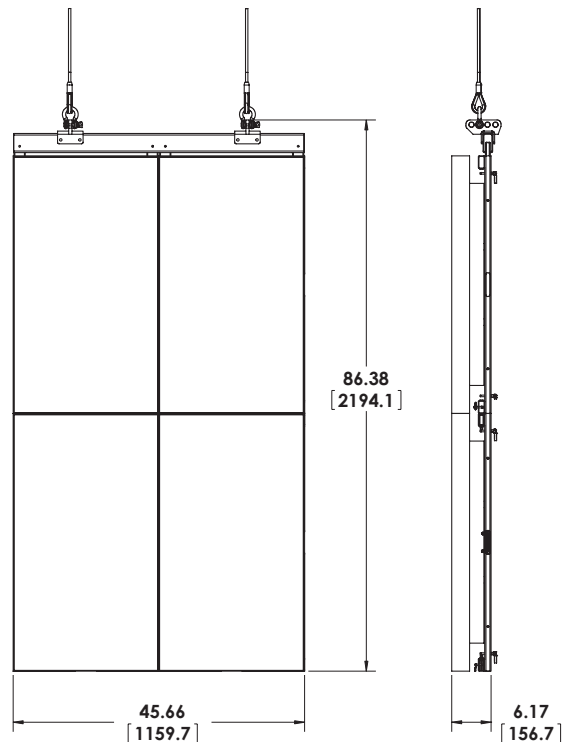


2 X 2 Flying Video Wall (Portrait) 2 wide by 2 deep LCD's, up to 8 deep maximum

4 pcs.	MVFS-X461-T	LCD Frame
1 pc.	MVFS-X461-X2RBP	2-Way Rigging Beam
2 pcs.	MVFS-1.5X2-SME	Shackle Mount

OPTIONAL

24 pcs.	QRP025-1.5L-174	1/4" X 1.5" Quick Release Pin
4 pcs.	QRP375-2.5L-174	3/8" X 2.5" Quick Release Pin



Interlocking Flyable LCD Video Wall System

MODULAR FLYING VIDEO WALL FRAME SYSTEM

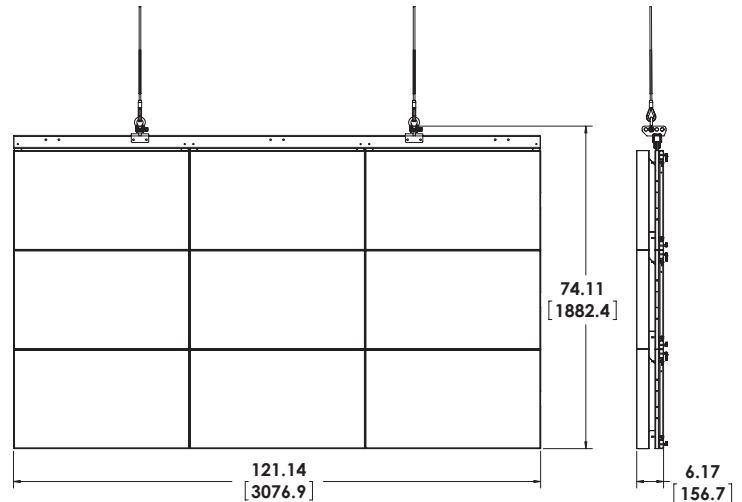
CONFIGURATIONS (CONT.)

3 X 3 Flying Video Wall (Landscape) 3 wide by 3 deep LCD's, up to 8 deep maximum

9 pcs.	MVFS-X461-T	LCD Frame
1 pc.	MVFS-X461-X3RBL	3-Way Rigging Beam
2 pcs.	MVFS-1.5X2-SME	Shackle Mount
1 pc.	MVFS-X461-3LSS	3 deep Side Strap (pair)

OPTIONAL

60 pcs.	QRP025-1.5L-174	1/4" X 1.5" Quick Release Pin
4 pcs.	QRP375-2.5L-174	3/8" X 2.5" Quick Release Pin

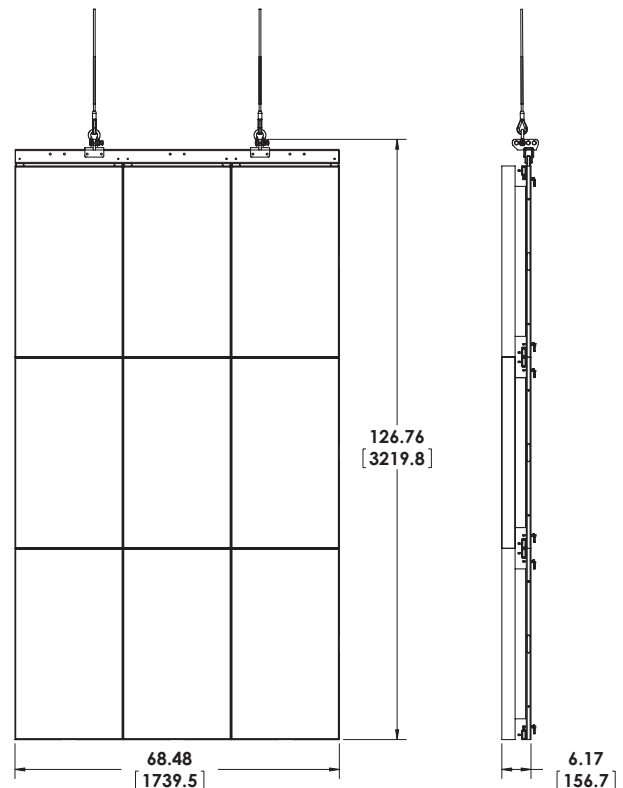


3 X 3 Flying Video Wall (Portrait) 3 wide by 3 deep LCD's, up to 8 deep maximum

9 pcs.	MVFS-X461-T	LCD Frame
1 pc.	MVFS-X461-X3RBP	3-Way Rigging Beam
2 pcs.	MVFS-1.5X2-SME	Shackle Mount
1 pc.	MVFS-X461-3PSS	3 deep Side Strap (pair)

OPTIONAL

60 pcs.	QRP025-1.5L-174	1/4" X 1.5" Quick Release Pin
4 pcs.	QRP375-2.5L-174	3/8" X 2.5" Quick Release Pin



Interlocking Flyable LCD Video Wall System

MODULAR FLYING VIDEO WALL FRAME SYSTEM

CONFIGURATIONS (CONT.)

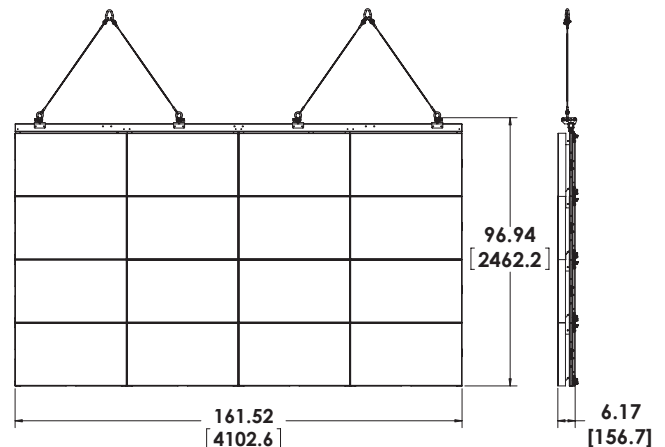
4 X 4 Flying Video Wall (Landscape) 4 wide by 4 deep LCD's, up to 8 deep maximum

16 pcs.	MVFS-X461-T	LCD Frame
1 pc.	MVFS-X461-X4RBL	4-Way Rigging Beam
4 pcs.	MVFS-1.5X2-SME	Shackle Mount
1 pc.	MVFS-X461-4LSS	4 deep Side Strap (pair)

OPTIONAL

112 pcs.	QRP025-1.5L-174	1/4" X 1.5" Quick Release Pin
8 pcs.	QRP375-2.5L-174	3/8" X 2.5" Quick Release Pin

Note: 2 pcs. 2-Way Rigging Beams and one MVFS-1.5X2-SMC Beam Connector may be used in place of the 4-Way Rigging Beam.



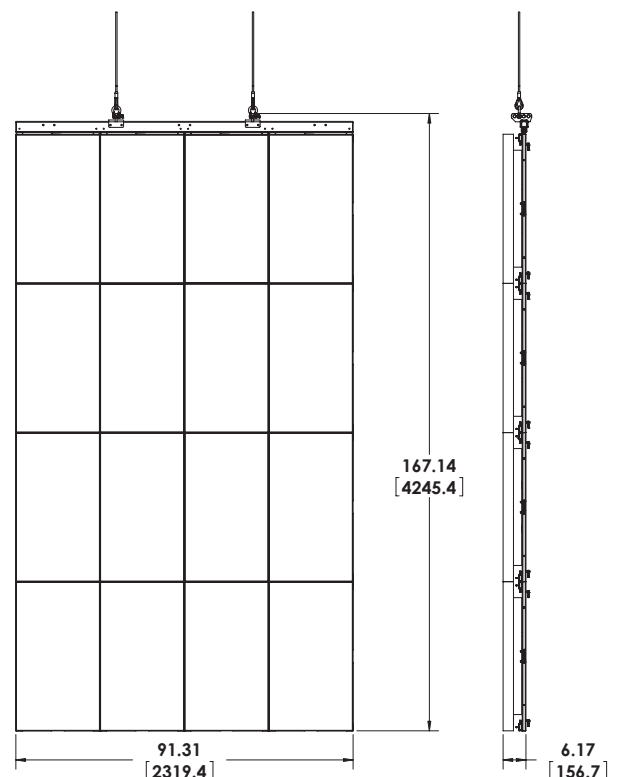
4 X 4 Flying Video Wall (Portrait) 4 wide by 4 deep LCD's, up to 8 deep maximum

16 pcs.	MVFS-X461-T	LCD Frame
1 pc.	MVFS-X461-X4RBP	4-Way Rigging Beam
2 pcs.	MVFS-1.5X2-SME	Shackle Mount
1 pc.	MVFS-X461-3PSS	3 deep Side Strap (pair)

OPTIONAL

112 pcs.	QRP025-1.5L-174	1/4" X 1.5" Quick Release Pin
4 pcs.	QRP375-2.5L-174	3/8" X 2.5" Quick Release Pin

Note: 2 pcs. 2-Way Rigging Beams and one MVFS-1.5X2-SMC Beam Connector may be used in place of the 4-Way Rigging Beam.



Interlocking Flyable LCD Video Wall System

MODULAR FLYING VIDEO WALL FRAME SYSTEM

CONFIGURATIONS (CONT.)

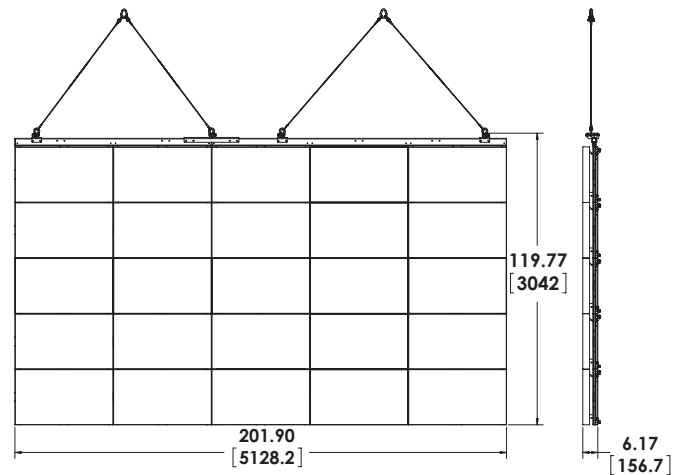
5 X 5 Flying Video Wall (Landscape) 5 wide by 5 deep LCD's, up to 8 deep maximum

25 pcs.	MVFS-X461-T	LCD Frame
1 pc.	MVFS-X461-X2RBL	2-Way Rigging Beam
1 pc.	MVFS-X461-X3RBL	3-Way Rigging Beam
1 pc.	MVFS-1.5X2-SMC	Beam Connector
3 pcs.	MVFS-1.5X2-SME	Shackle Mount
1 pc.	MVFS-X461-4LSS	4 deep Side Strap (pair)

OPTIONAL

180 pcs.	QRP025-1.5L-174	1/4" X 1.5" Quick Release Pin
8 pcs.	QRP375-2.5L-174	3/8" X 2.5" Quick Release Pin

Note: 2 pcs. 2-Way Rigging Beams and one MVFS-1.5X2-SMC Beam Connector may be used in place of the 4-Way Rigging Beam.



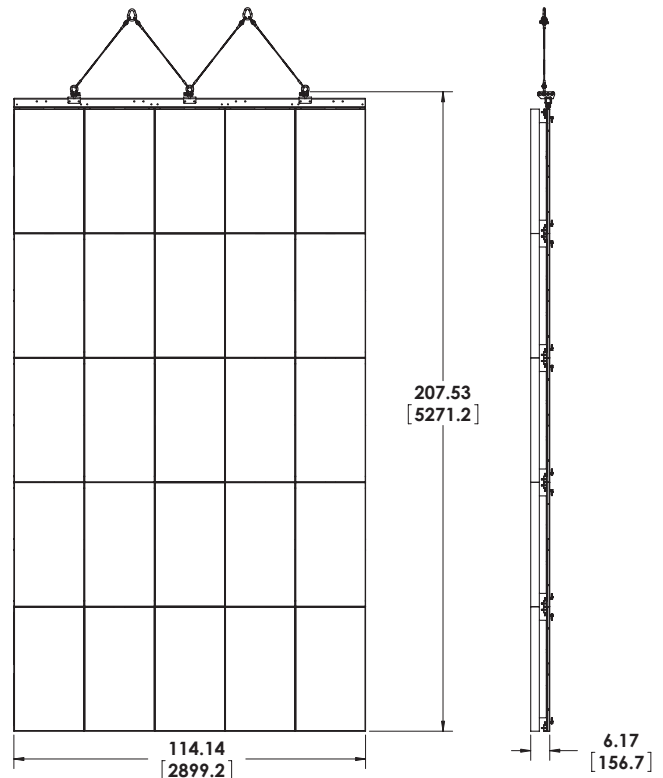
5 X 5 Flying Video Wall (Portrait) 5 wide by 5 deep LCD's, up to 8 deep maximum

25 pcs.	MVFS-X461-T	LCD Frame
1 pc.	MVFS-X461-X5RBP	5-Way Rigging Beam
3 pcs.	MVFS-1.5X2-SME	Shackle Mount
1 pc.	MVFS-X461-3PSS	3 deep Side Strap (pair)

OPTIONAL

180 pcs.	QRP025-1.5L-174	1/4" X 1.5" Quick Release Pin
6 pcs.	QRP375-2.5L-174	3/8" X 2.5" Quick Release Pin

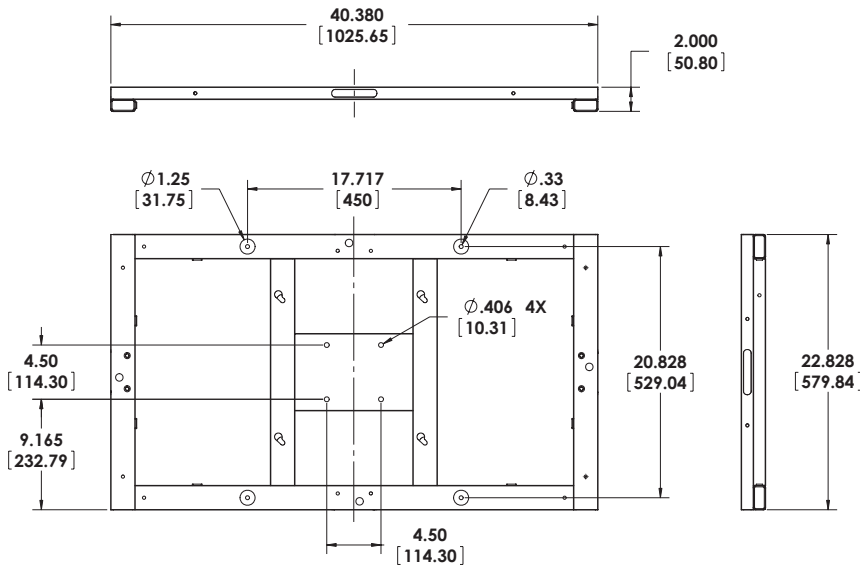
Note: 2 pcs. 2-Way Rigging Beams and one MVFS-1.5X2-SMC Beam Connector may be used in place of the 4-Way Rigging Beam.



Interlocking Flyable LCD Video Wall System

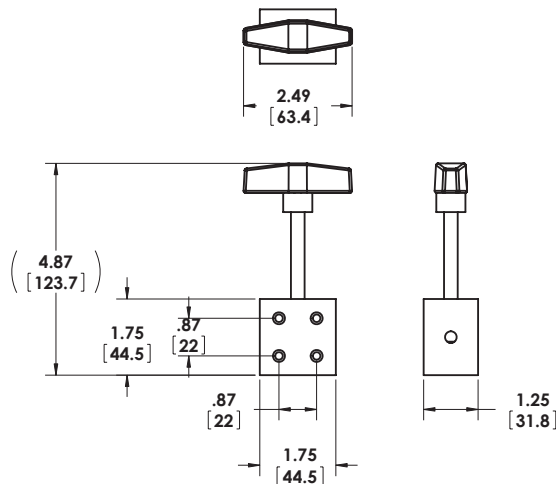
MODULAR FLYING VIDEO WALL FRAME SYSTEM

DIMENSIONS



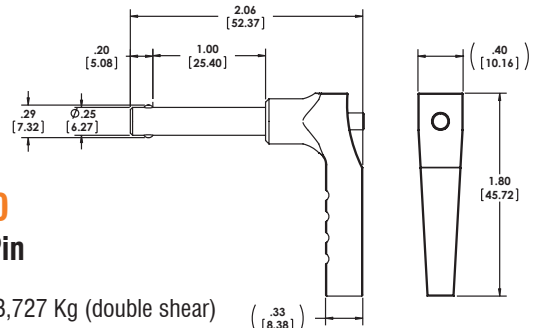
MVFS-X461-T LCD Frame

Working load:	264 lb. / 120 Kg
Design Factor:	10:1 ratio
Weight:	34 lb / 15.4 Kg
Shipping weight:	36 lb / 16.4 Kg
Pack Count:	One
Material:	Steel alloy tubing and high strength aluminum connecting bars
Finish:	Powder coat paint
Color:	Black



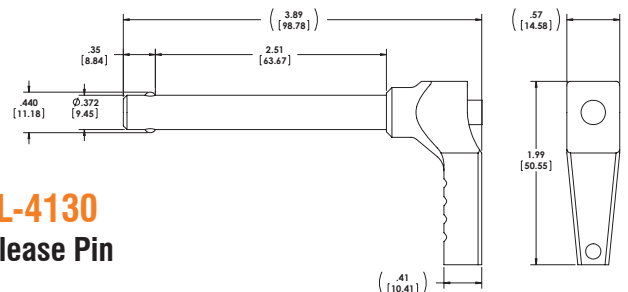
MVFS-X461-LB Lifting Block Assembly

Material:	Aluminum alloy
Finish:	Clear anodized
Color:	Silver
Weight:	2.7 lb. / 1.2 Kg
Shipping weight:	3.3 lb. / 1.5 Kg
Pack Count:	One



QRP025-15L-4130 1/4" Quick Release Pin

Working Load:	8,200 lb. / 3,727 Kg (double shear)
Design Factor:	5:1 ratio
Material:	High-strength steel
Finish:	Satin
Color:	Silver



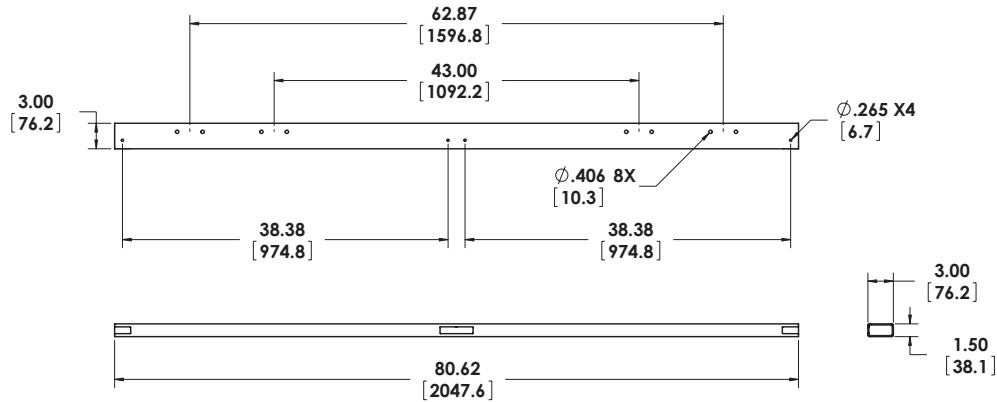
QRP375-25L-4130 3/8" Quick Release Pin

Working Load:	18,400 lb. / 8,364 Kg (double shear)
Design Factor:	5:1 ratio
Material:	High-strength steel
Finish:	Satin
Color:	Silver

Interlocking Flyable LCD Video Wall System

DIMENSIONS (CONT.)

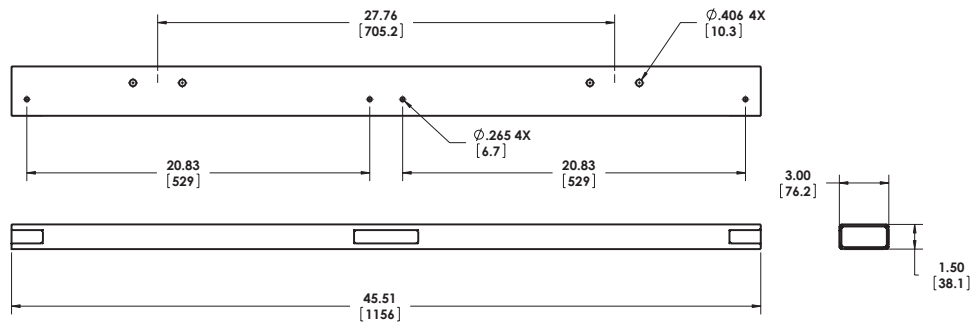
MODULAR FLYING VIDEO WALL FRAME SYSTEM



MVFS-X461-X2RBL

Two column rigging beam, landscape

Working load:	Using two inner hang points; 1060 lb./ 482 Kg
Working load:	Using two outer hang points; 895 lb./ 407 Kg
Design Factor	10:1 ratio
Material:	Steel alloy tubing
Finish:	Powder coat paint
Color:	Black
Weight:	22 lb. / 10.0 Kg
Shipping weight:	24 lb. / 10.9 Kg
Pack Count:	One



MVFS-X461-X2RBP

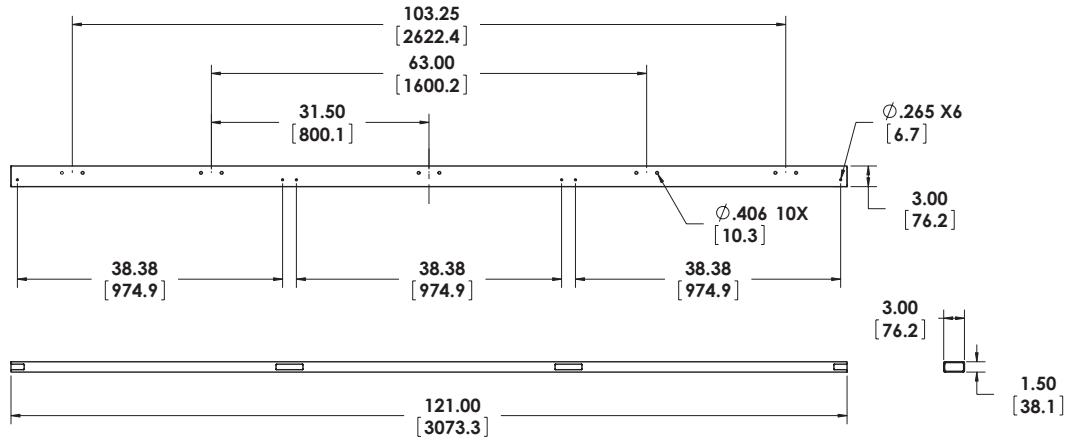
Two column rigging beam, portrait

Working load:	Using two hang points; 982 lb./ 446 Kg
Design Factor	10:1 ratio
Material:	Steel alloy tubing
Finish:	Powder coat paint
Color:	Black
Weight:	12.5 lb. / 5.7 Kg
Shipping weight:	16 lb. / 7.3 Kg
Pack Count:	One

Interlocking Flyable LCD Video Wall System

DIMENSIONS (CONT.)

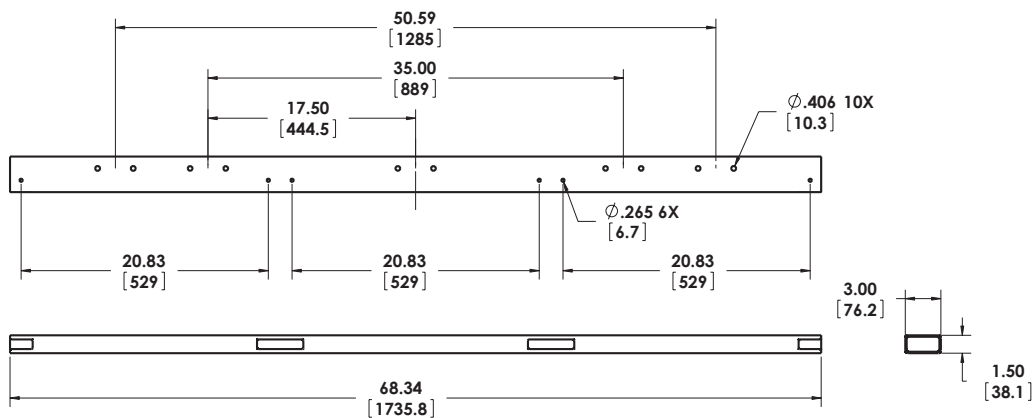
MODULAR FLYING VIDEO WALL FRAME SYSTEM



MVFS-X461-X3RBL

Three column rigging beam, landscape

Working load:	Using two hang points; 1002 lb./ 455 Kg
Working load:	Using three hang points; 1768 lb./ 804 Kg
Design Factor:	10:1 ratio
Material:	Steel alloy tubing
Finish:	Powder coat paint
Color:	Black
Weight:	33 lb. / 15.0 Kg
Shipping weight:	37 lb. / 16.8 Kg
Pack Count:	One



MVFS-X461-X3RBP

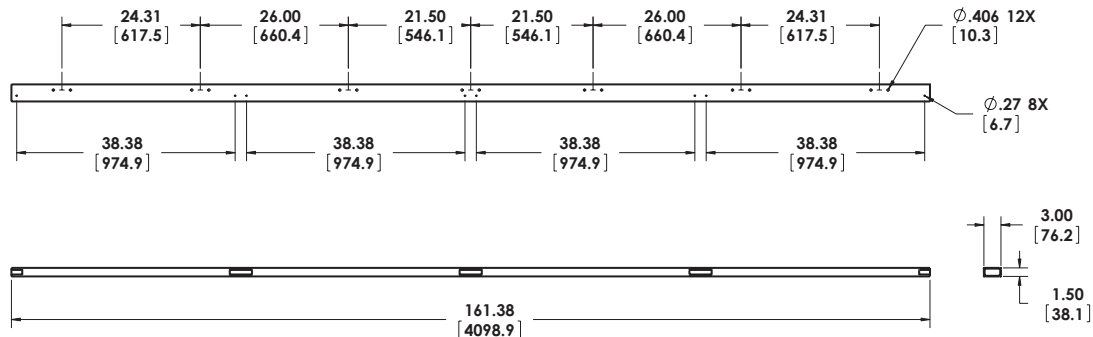
Three column rigging beam, portrait

Working load:	Using two inner hang points; 1746 lb./ 794 Kg
Design Factor:	10:1 ratio
Material:	Steel alloy tubing
Finish:	Powder coat paint
Color:	Black
Weight:	18.5 lb. / 8.4 Kg
Shipping weight:	22.5 lb. / 10.2 Kg
Pack Count:	One

Interlocking Flyable LCD Video Wall System

DIMENSIONS (CONT.)

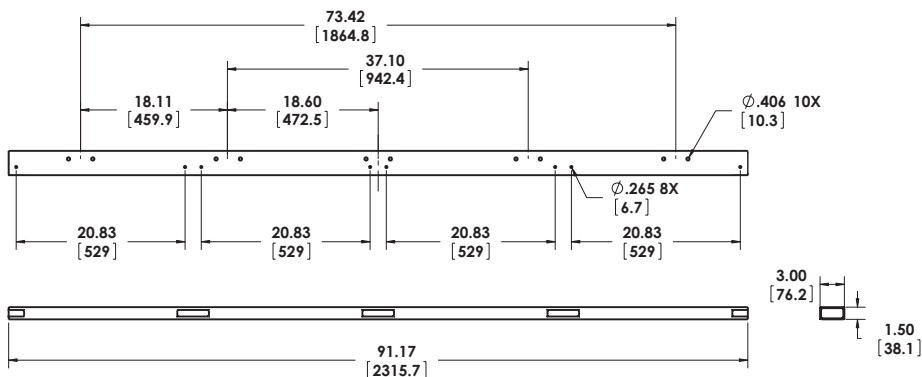
MODULAR FLYING VIDEO WALL FRAME SYSTEM



MVFS-X461-X4RBL

Four column rigging beam, landscape

Working load: Using two hang points; 1181 lb./ 537 Kg
Working load: Using three hang points; 1759 lb./ 800 Kg
Working load: Using four hang points; 2942 lb./ 1337 Kg
Design Factor: 10:1 ratio
Material: Steel alloy tubing
Finish: Powder coat paint
Color: Black
Weight: 44 lb. / 20.0 Kg
Shipping weight: 49 lb. / 22.3 Kg
Pack Count: One



MVFS-X461-X4RBP

Four column rigging beam, portrait

Working load: Using two inner hang points; 1968 lb./ 894 Kg
Design Factor: 10:1 ratio
Material: Steel alloy tubing
Finish: Powder coat paint
Color: Black
Weight: 24.7 lb. / 11.2 Kg
Shipping weight: 30 lb. / 13.6 Kg
Pack Count: One

Interlocking Flyable LCD Video Wall System

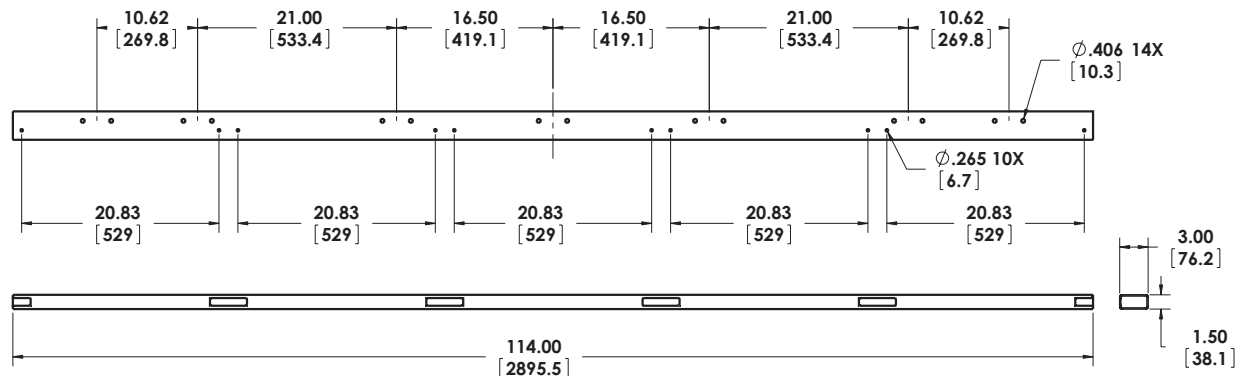
DIMENSIONS (CONT.)

MODULAR FLYING VIDEO WALL FRAME SYSTEM

MVFS-X461-X5RBL

Five column rigging beam, landscape

Working load:	Using two hang points; 1181 lb./ 537 Kg
Working load:	Using three hang points; 1759 lb./ 800 Kg
Working load:	Using four hang points; 2942 lb./ 1337 Kg
Design Factor:	10:1 ratio
Material:	Steel alloy tubing
Finish:	Powder coat paint
Color:	Black
Weight:	44 lb. / 20.0 Kg
Shipping weight:	49 lb. / 22.3 Kg
Pack Count:	One



MVFS-X461-X5RBP

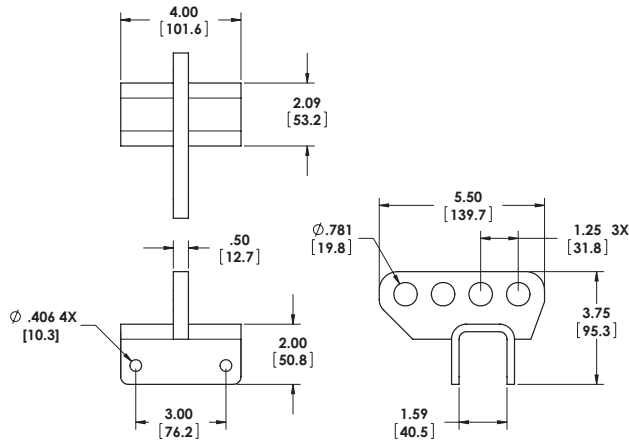
Five column rigging beam, portrait

Working load:	Using three hang points; 2648 lb./ 1204 Kg
Design Factor:	10:1 ratio
Material:	Steel alloy tubing
Finish:	Powder coat paint
Color:	Black
Weight:	30.9 lb. / 14.0 Kg
Shipping weight:	36 lb. /16.4 Kg
Pack Count:	One

Interlocking Flyable LCD Video Wall System

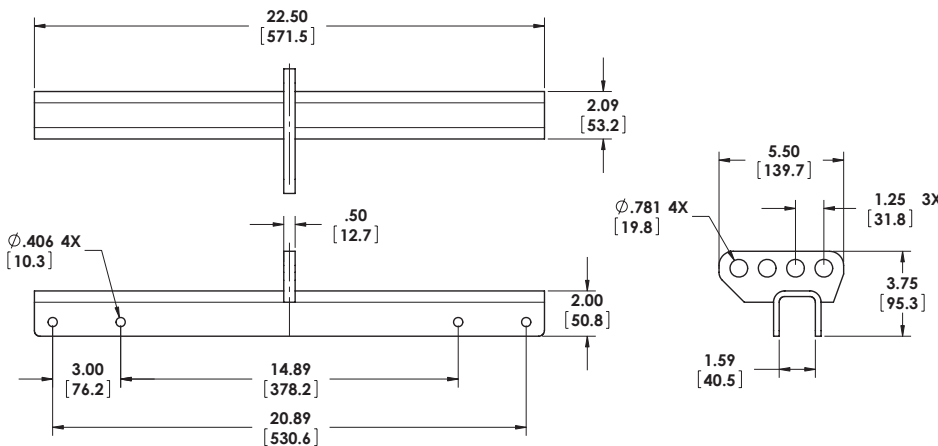
MODULAR FLYING VIDEO WALL FRAME SYSTEM

DIMENSIONS (CONT.)



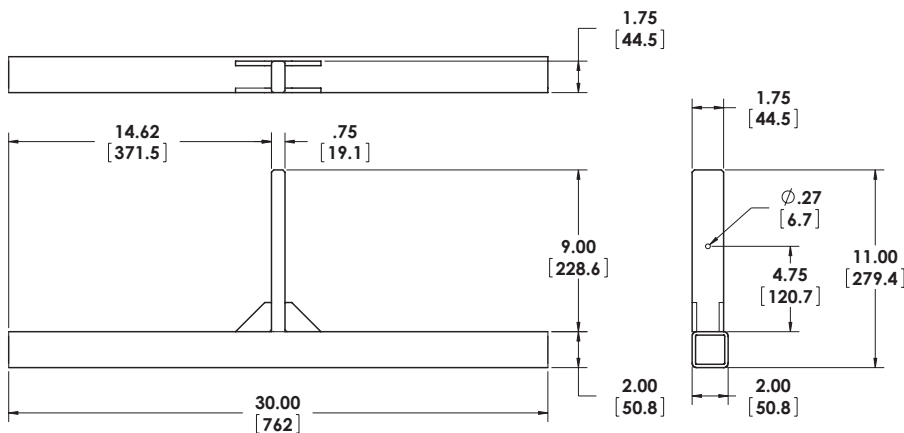
MVFS-1.5X2-SME Shackle Mount - Extended

Working Load:	990 lb. / 450 Kg
Design Factor:	10:1 ratio
Material:	High-strength steel alloy
Finish:	Powder coat paint
Color:	Black
Weight:	2.7 lb. / 1.2 Kg
Shipping weight:	3.3 lb. / 1.5 Kg
Pack Count:	One



MVFS-1.5X2-SMC Rigging Beam Connector - Shackle Mount

Working load:	624 lb. / 284 Kg
Design Factor:	10:1 ratio
Material:	High-strength steel alloy
Finish:	Powder coat paint
Color:	Black
Weight:	9.0 lb. / 4.1 Kg
Shipping weight:	11.3 lb. / 5.1 Kg
Pack Count:	One



MVFS-X461-FOOT Floor Standing Support

Two required per column

Material:	Steel alloy tubing
Finish:	Powder coat paint
Color:	Black
Weight:	9.0 lb. / 4.1 Kg
Shipping weight:	12 lb. / 5.1 Kg
Pack Count:	Two

WARNING: Mounting and/or suspension of audio and video equipment requires experienced professionals. Improperly installed equipment can result in property damage, personal injury and/or liability to the installing contractor.



MADE IN THE USA

ALWAYS USE SAFETY CABLES.

www.adapttechgroup.com



ADAPTIVE
TECHNOLOGIES GROUP

1635 E. Burnett Street
Signal Hill, CA 90755 USA
PH: 562.424.1100 FX: 562.424.3520