LAZR

OUTDOOR PROJECTOR

LM3X

Q2 2022 Catalogue

eqc grupo
extreme quality control

L A Z R™ by L U M I T R I X®

the original

OUTDOOR PROJECTOR

Outdoor projectors face many challenges, such as dust, rain, humidity, varying temperature, sunlight radiation, severe weather, and vandalism. LM3X has been engineering and manufacturing outdoor projectors since 2012. We delivered + 200 projectors to more than 40 countries so far.

For the year 2022, we offer 2 outdoor projector models: The light and versatile L A Z R™ HDMI starts in Europe at EUR 11 990 MSRP. The fully standalone version L A Z R 4 G™ Unlimited Wireless Range costs EUR 17 990. With the power of 6K Lumens, each L A Z R™ illuminates up to 100 square meters (1000 square feet) of the surface. In the heart of the L A Z R™ projector glows the Laser DLP light source with 20 000 hours life span, enabling for long maintenance cycles.

L A Z R™ is compatible with all common digital projection tools and protocols including HDMI, Chromecast, Screen Mirroring, Madmapper, LIGHTFORM, HDBaseT, etc.
Installing projectors outdoors?

Check this

Lukáš Brus CEO

LM3X
Lumitrix s.r.o
VAT ID: CZ29395950
Registered in Czech Republic
European Union

Contact

International Sales / Get in touch with our experts

info@LM3X.com

LM3X.com

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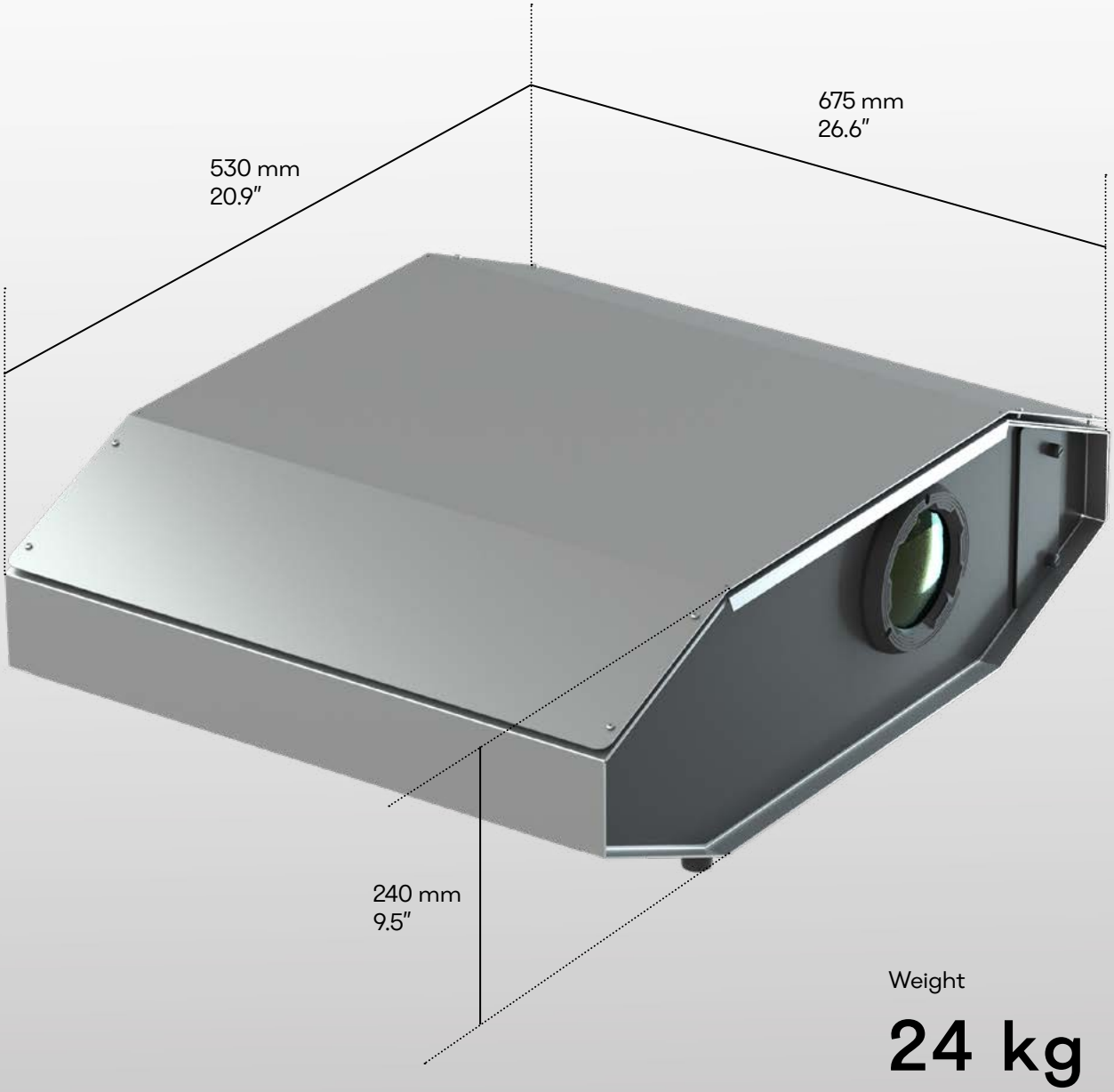
LAZR

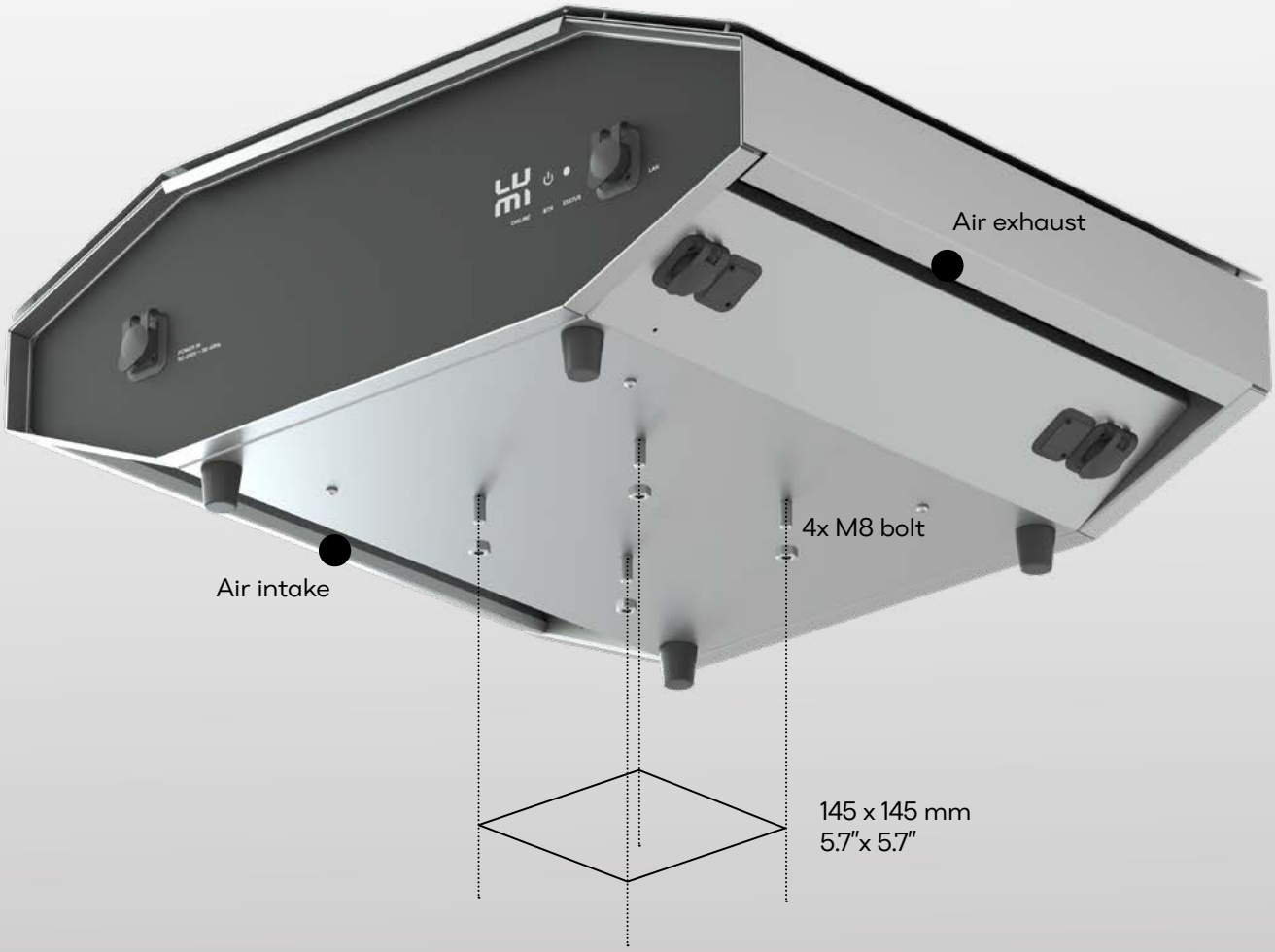
OUTDOOR PROJECTOR

Overview & Dimensions

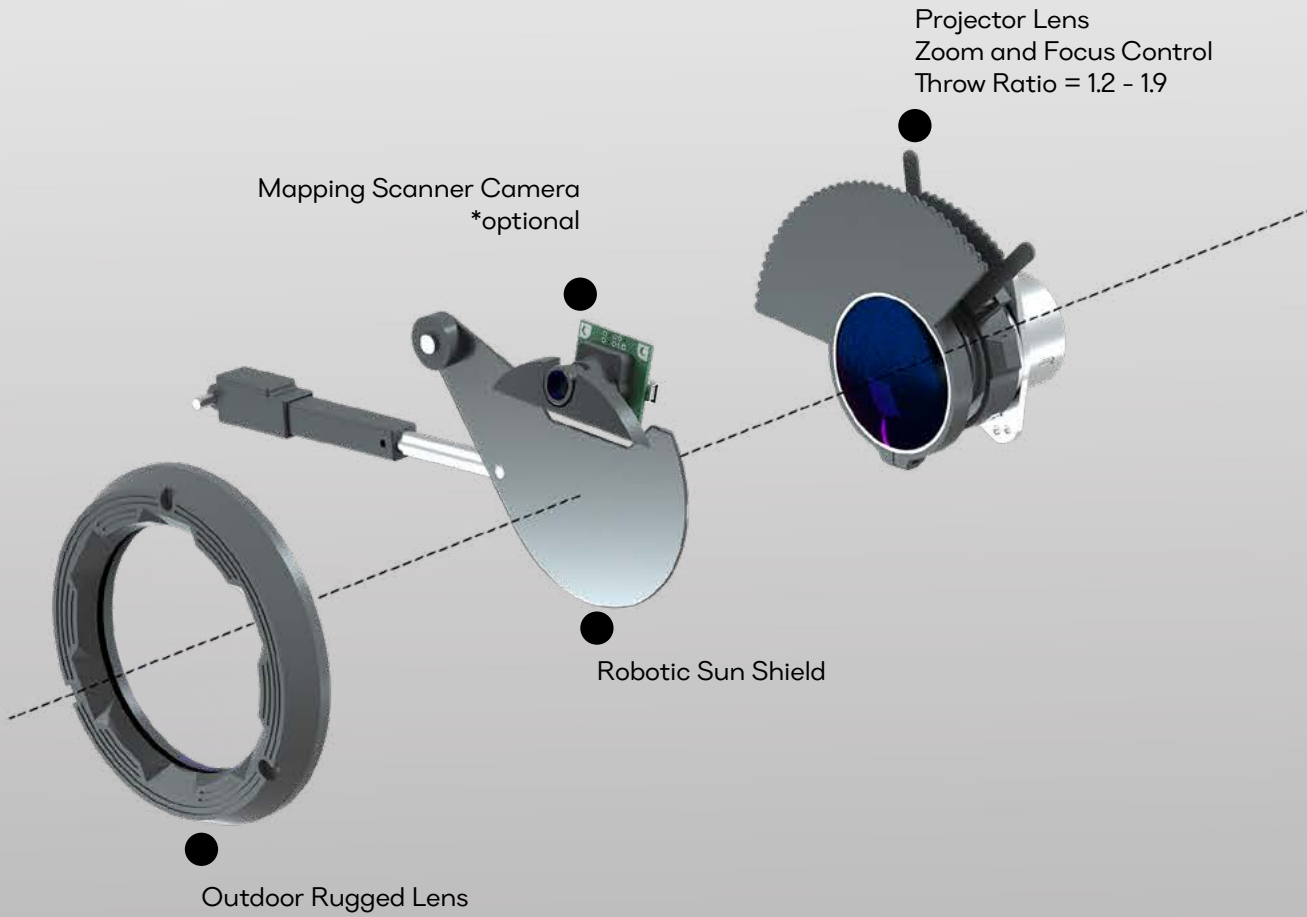


Weight

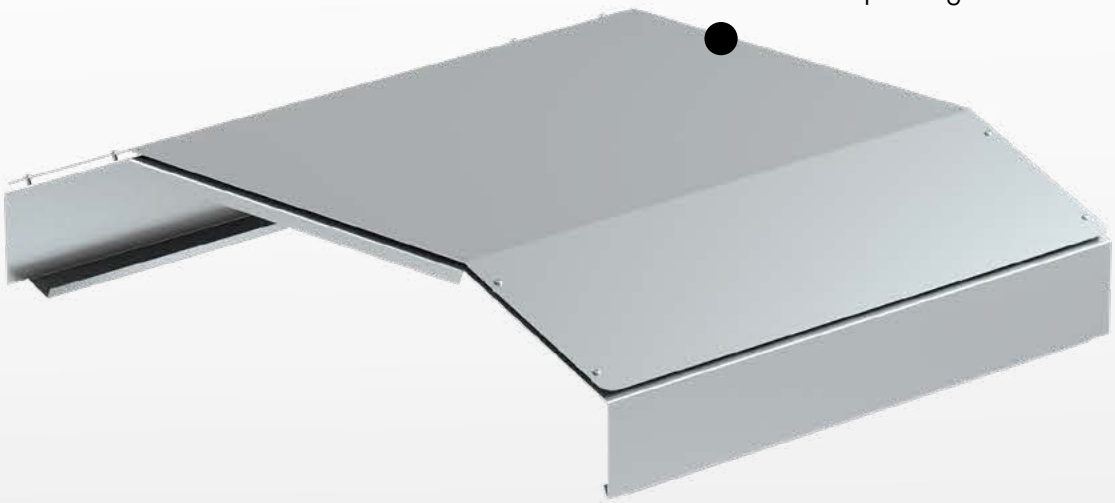
24 kg
53 lb


Air exhaust
4x M8 bolt
Air intake
145 x 145 mm
5.7″x 5.7″

Exploded View



Two-Layer Ventilated Aluminium Shield
for Landscape Image Mode



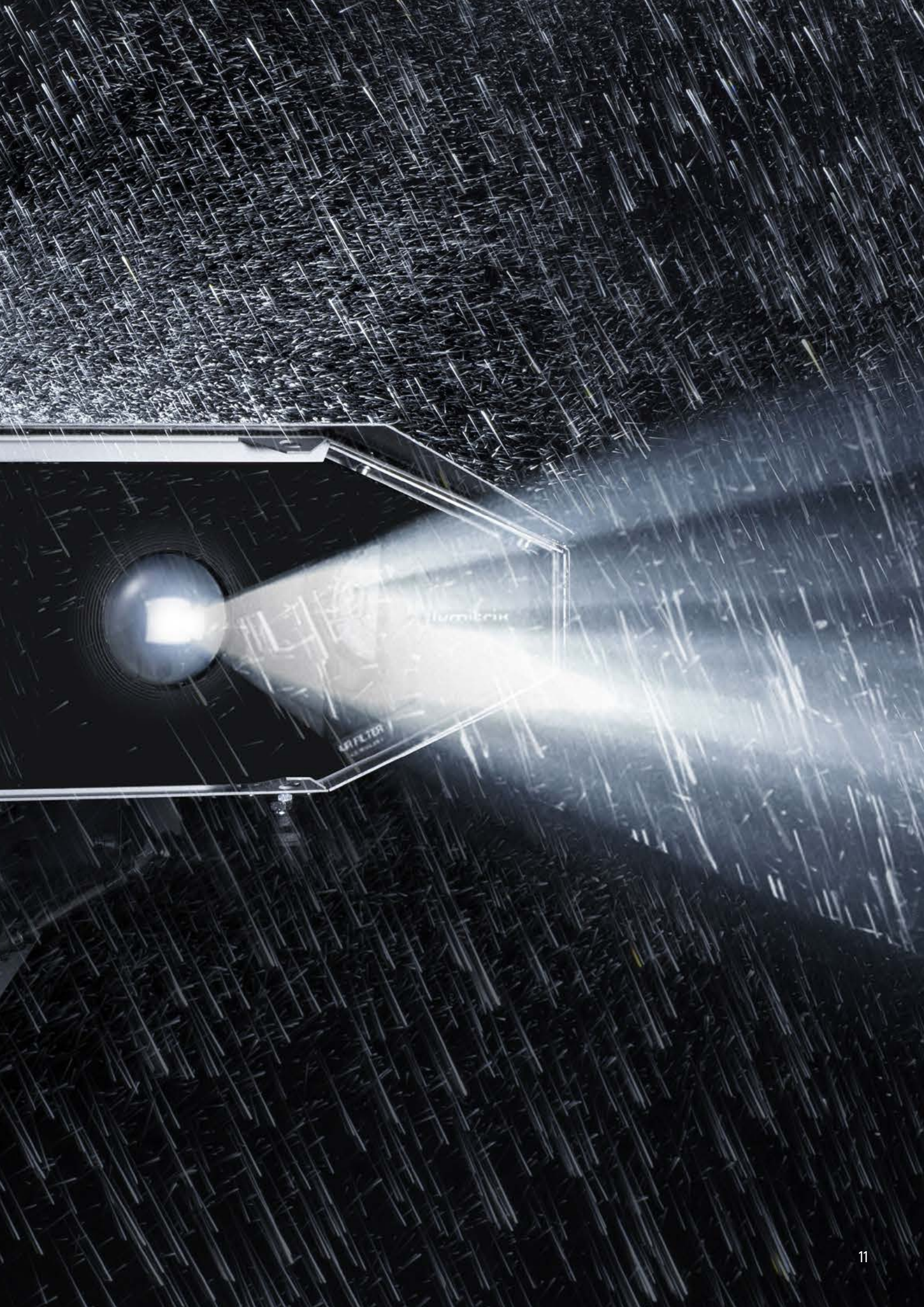
Media Player
*optional

Installation Digital Projector
Laser DLP 6000 ANSI
1920 x 1200 WUXGA
20 000 hours life

Aluminium body with integrated cooling,
heating and air filtering

Thunderstorm Ready

Outdoor Humidity & Dust Resistance.
Designed for permanent outdoor use.
Projector Body IP43 Ingress Protection Certified.
All connectors IP68 Ingress Protection Certified.



Operating Temperature Range

Planet
Compatibility
360°

L A Z R™ Outdoor Projector

Robust Power Management

When power lost, the device goes to sleep. The device reboots to operation mode after the power supply is restored.

Technical Specification

L A Z R™ DIGITAL OUTDOOR PROJECTOR

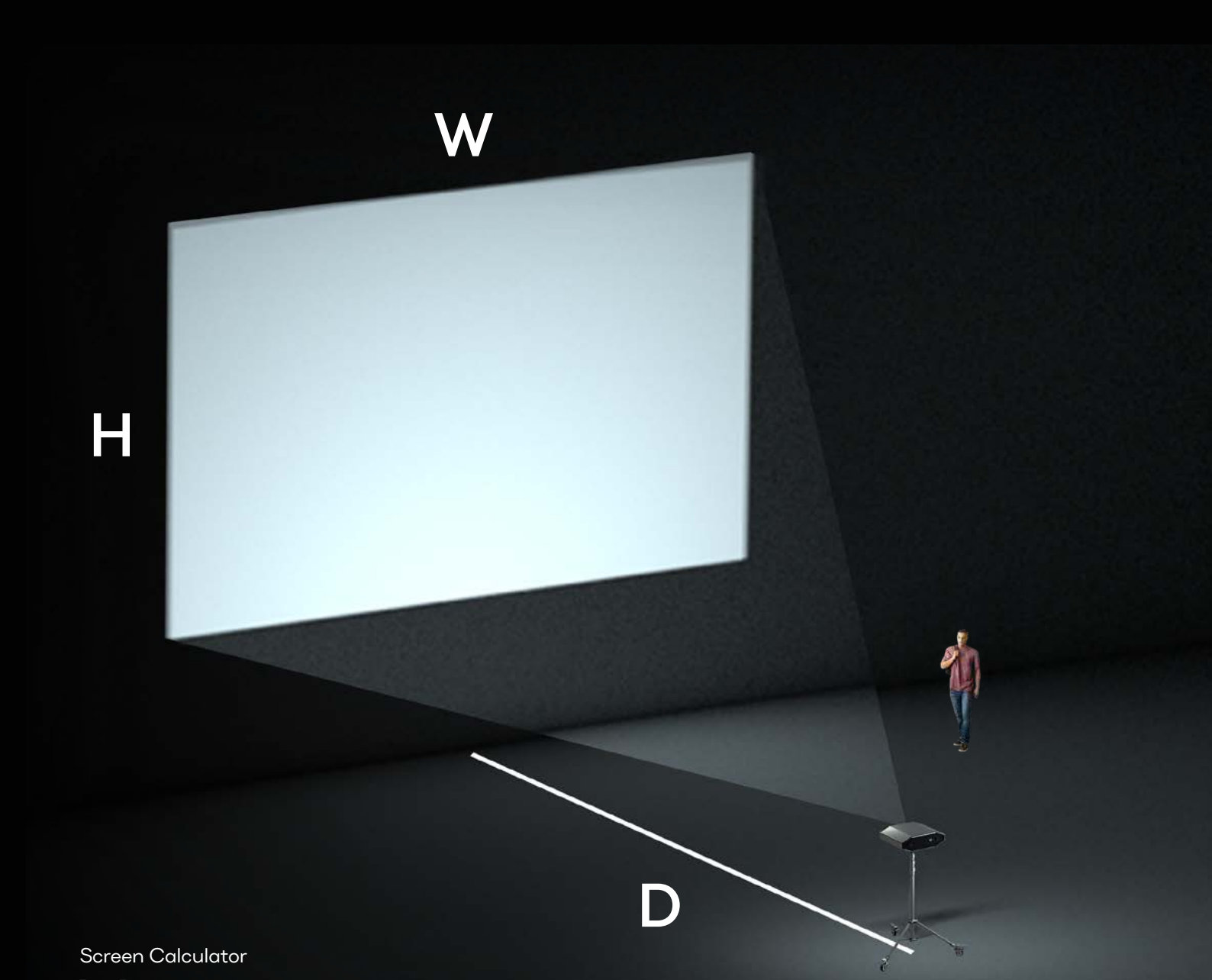
Image Projection Technology	Laser DLP
Image Resolution	1920x 1200 WUXGA
Light Source Life	20000 h
Brightness	6000 ANSI lm
Throw Ratio	1.2 – 1.9
Power	550 W, 110 – 230V
Ingress Protection	IP 43 body, IP 68 connectors
Weight	24 kg / 53 lb
Default Image Orientation	Landscape Mode
Available Image Orientation Extention	Portrait Mode Kit

CE

RoHS 2

LAZR

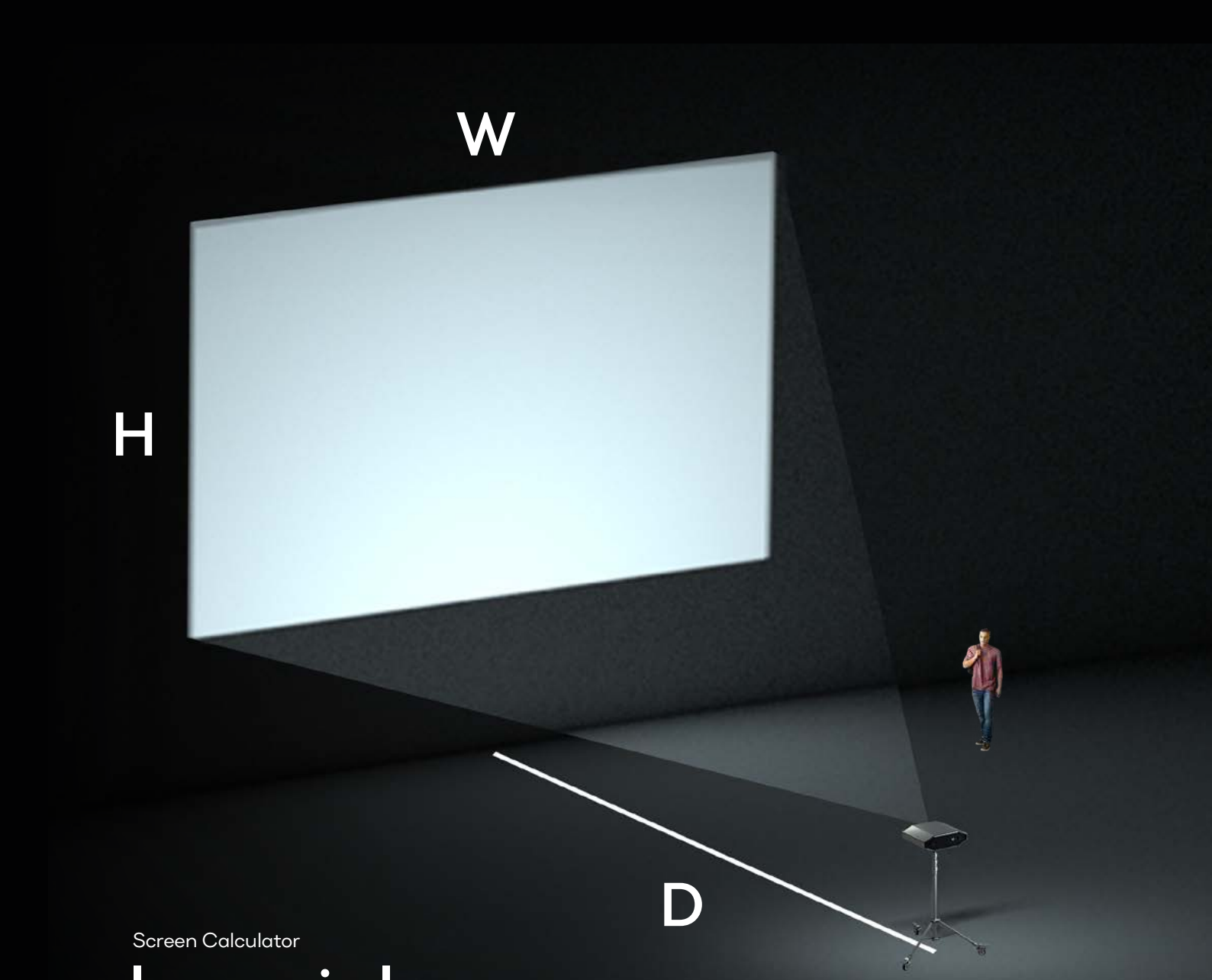
IMAGE



Screen Calculator

Metric

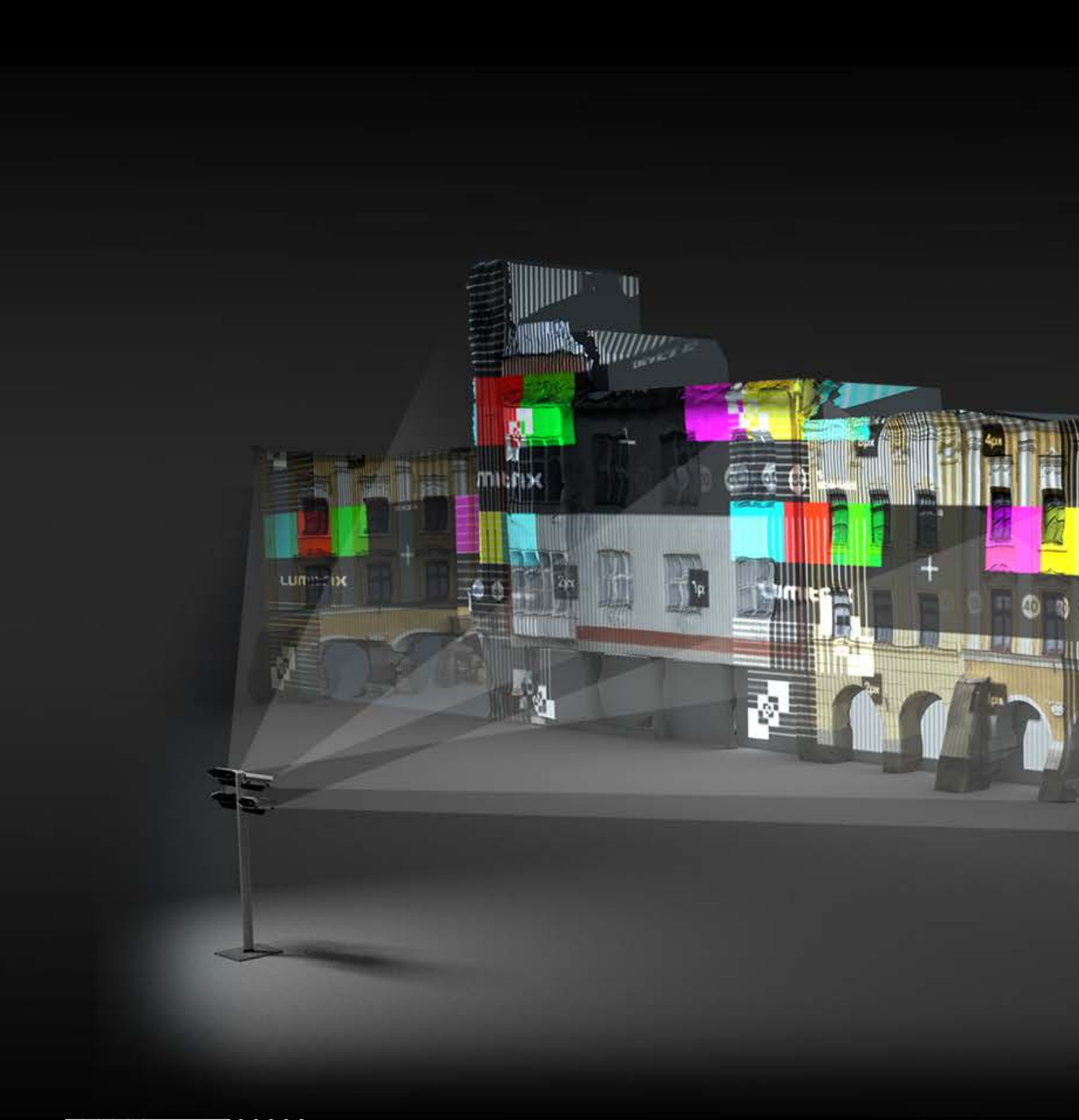
W m	5	6	7	8	9	**10**	11	12	13	14	15
H m	3.13	3.75	4.38	5	5.63	**6.25**	6.88	7.5	8.13	8.75	9.38
D m max	9.5	11.4	13.3	15.2	17.1	19	20.9	22.8	24.7	26.6	28.5
D m min	6	7.2	8.4	9.6	10.8	12	13.2	14.4	15.6	16.8	18.0
Lux Lumens per square metre	384	267	196	150	119	96	79	67	57	49	43



Screen Calculator

Imperial

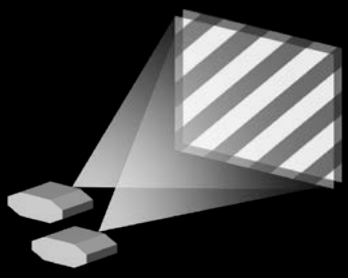
W ft		16.4′	19.7′	23′	26.2′	29.5′	**32.8′**	36.1′	39.4′	42.7′	45.9′	49.2′
H ft		10.3′	12.3′	14.4′	16.4′	18.5′	**20.5′**	22.6′	24.6′	26.7′	28.7′	30.8′
D ft	max	31.2′	37.4′	43.6′	49.9′	56.1′	62.3′	68.6′	74.8′	81′	87.3′	93.5′
	min	19.7′	23.6′	27.6′	31.5′	35.4′	39.4′	43.3′	47.2′	51.2′	55.1′	59.1′
Lux Lumens per square metre		384	267	196	150	119	96	79	67	57	49	43



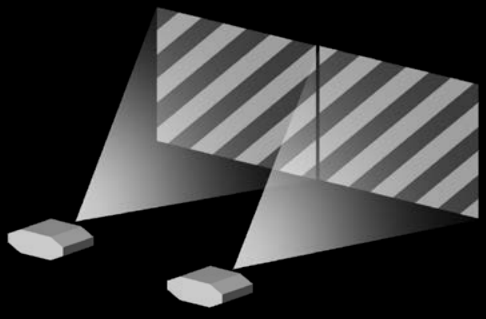
Multiprojection

You can link multiple L A Z R™ outdoor projectors to create a seamless outdoor projection screen of the desired size, shape, and brightness.

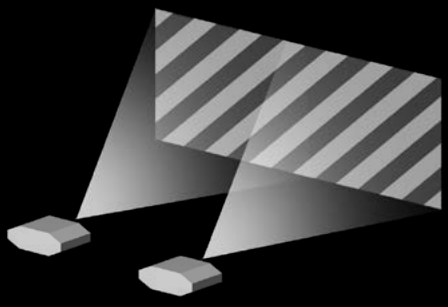
Overlay
Lux Increase +95 %



Simple Array
Size Increase +100 %
Visible Seam



Soft Edge Blend
Size Increase +85%
Invisible Seam



provoz
CINEPORT

Inspiration from Ostrava #cinema

Montforthaus in Feldkirch #lightdesign

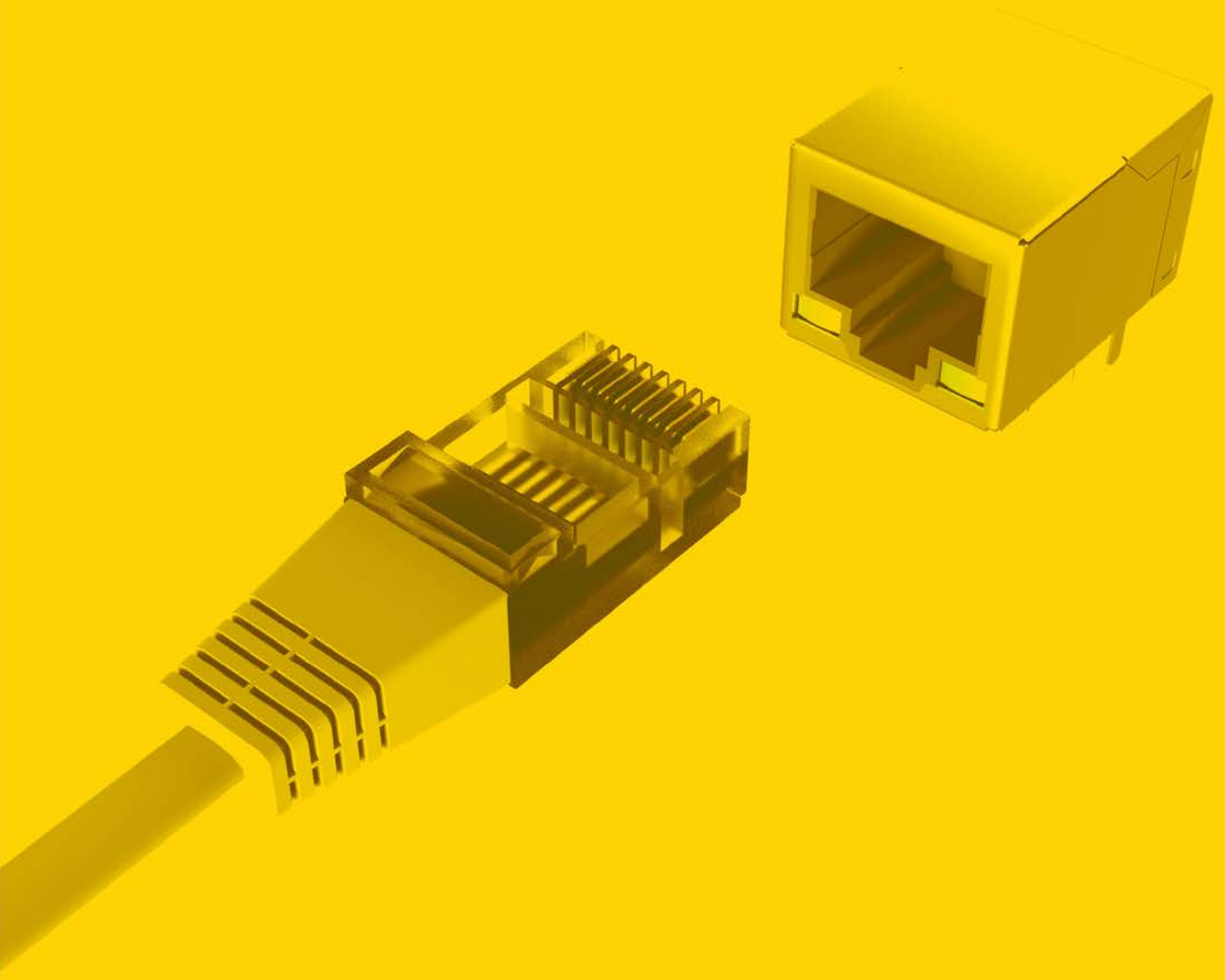
MONT
FORT
HAUS

Art Museum
#immersive

National Heritage
#history

LAZR

INSTALLATION



Recommended Set-Ups

We offer L A Z R™ Outdoor Projector in 2 configurations: The basic L A Z R™ is more affordable and compatible with well-known AV standards. On the other hand, the L A Z R 4G™ comes with a unique set of extra features, such as Remote Acces Web UI, Mapping Scanner, and Multiprojection Wizard*.

L A Z R

L A Z R 4G

11 990	Price EUR MSRP EXW	17 990
●	HDMI	●
●	HDBaseT	
●	3rd Party Media Player Connectivity 5V - 12V - USB - LAN - HDMI	
	4G Wireless Internet	●
	Web UI Remote Access	●
	LM3X Mapping Player	●
	Mapping Scanner	●
	Multiprojection Wizard	●
	XLR Stereo Audio Out	●

model required for this set-up

L A Z R

Wi-Fi Screen Sharing

Simple, affordable, and very capable set-up for local wireless screen mirroring, photo sharing, presentations, movies, video stream, TV, music video, etc.

*This set-up requires L A Z R™ accessories: Wi-Fi Plastic Shield
*This set-up requires 3rd party accessories: Chromecast or similar device

Wi-Fi

chromecast

or a similar device

Power

110 - 230V ~ 550W

To preserve outdoor ingress protection, use original NEUTRIK IP65 connectors.

model required for this set-up

LAZR

HDMI Short Cable

Simple set-up compatible with a wide range of computers.
Use your PC or Mac, plug-in HDMI, and play.

1 : 2 +

Mulitiprojection and edge-blending are available via an external computer with multi-HDMI graphics output and with the use of 3rd party mapping software such as Madmapper, Resolume, Watchout, etc.

*This set-up requires an external media player

Power
110 - 230V ~ 550W

To preserve outdoor ingress protection,
use original NEUTRIK IP65 connectors.

HDMI™

model required for this set-up

L A Z R

HDBaseT Long Cable

HDMI cables mentioned previously, are limited in length. In case the distance between the computer and the L A Z R™ projector exceeds 15 meters / 50 feet, we recommend using the HDBaseT Converter near your computer and convert the HDMI signal to an HDBaseT signal. The HDBaseT protocol allows for 100m / 330 ft cable length. (800 m / 2625 ft with 8x multi hops)

1 : 2 +

Mulitiprojection and edge-blending are available via external computer with multi-HDBaseT graphics output and with the use of 3rd party mapping software such as Madmapper, Resolume, Watchout, etc.

i: French company Videmus has presented a media server using Dataton WATCHOUT with six channels HDBaseT output integrated.

*This set-up requires an external media player

HDBaseT

Power

110 - 230V ~ 550W

To preserve outdoor ingress protection, use original NEUTRIK IP65 connectors.

HDMI

HDBaseT Converter

model required for this set-up

L A Z R

LIGHTFORM Mapping Kit

LIGHTFORM is the well-known projection-mapping tool from California. The LIGHTFORM LFC Kit can be easily integrated into the L A Z R™ outdoor projector and thus freely used outdoors.
Local Wi-Fi or LAN control is available.

*This set-up recommended L A Z R™ accessories: Wi-Fi Plastic Shield
*This set-up requires 3rd party media player: LIGHTFORM LFC

#events
#light design

Power
110 - 230V ~ 550W

To preserve outdoor ingress protection, use original NEUTRIK IP65 connectors.

LAN optional

model required for this set-up

LAZR

miniMAD by Madmapper

Videomapping pioneers from Switzerland brought to the world the very affordable and quite capable Raspberry Pi based mapping player called miniMAD. It works smoothly with their state-of-the-art Mad Mapper video-mapping software. miniMAD uses a plug-in SD card for media storage.

*This set-up requires 3rd party media player: miniMAD by Madmapper

#events
#light design

1 : 2 +

Affordable miniMAD includes multiprojection support. The manufacturer warns, that the miniMAD multiprojection is not precisly frame to frame synchronized and that if using fast image transitions minor lag between screens might be noticeable. Cable LAN connection required for miniMAD multiprojection.

Power
110 - 230V ~ 550W

To preserve outdoor ingress protection, use original NEUTRIK IP65 connectors.

LAN optional

model required for this set-up

L A Z R 4G

4G Wireless Remote Mapping

You can access your L A Z R 4G™ all over the planet and control the projected media in real-time.
This set-up enables Full Remote Management and support services.

2-Channel Internet Connection available for improved reliability (Wired and/or 4G Wireless), at least 1 Channel Unrestricted Internet required for system operation.

L A Z R 4G™ Features

- PLAY / STOP / SCHEDULE Simple Mapping Player
- Mapping Scanner
- Mapping Tools
- Remote UI Media Upload & Management
- Remote UI Calendar & Clock for Playback Scheduling

Control device (PC, Mac, Android, iOS)
Internet access and Chrome browser required to access L A Z R 4 G UI

Wireless Internet

Power
110 - 230V ~ 550W

To preserve outdoor ingress protection, use original NEUTRIK IP65 connectors.

Wired Internet optional
DHCP, unrestricted

model required for this set-up

L A Z R 4G

Multiprojection Mapping

1 : 2 +

You can link multiple L A Z R 4G™ projectors to create a seamless outdoor projection-mapping screen of the desired size, shape and brightness. Comes with a simple PLAY / STOP / SCHEDULE functionality.

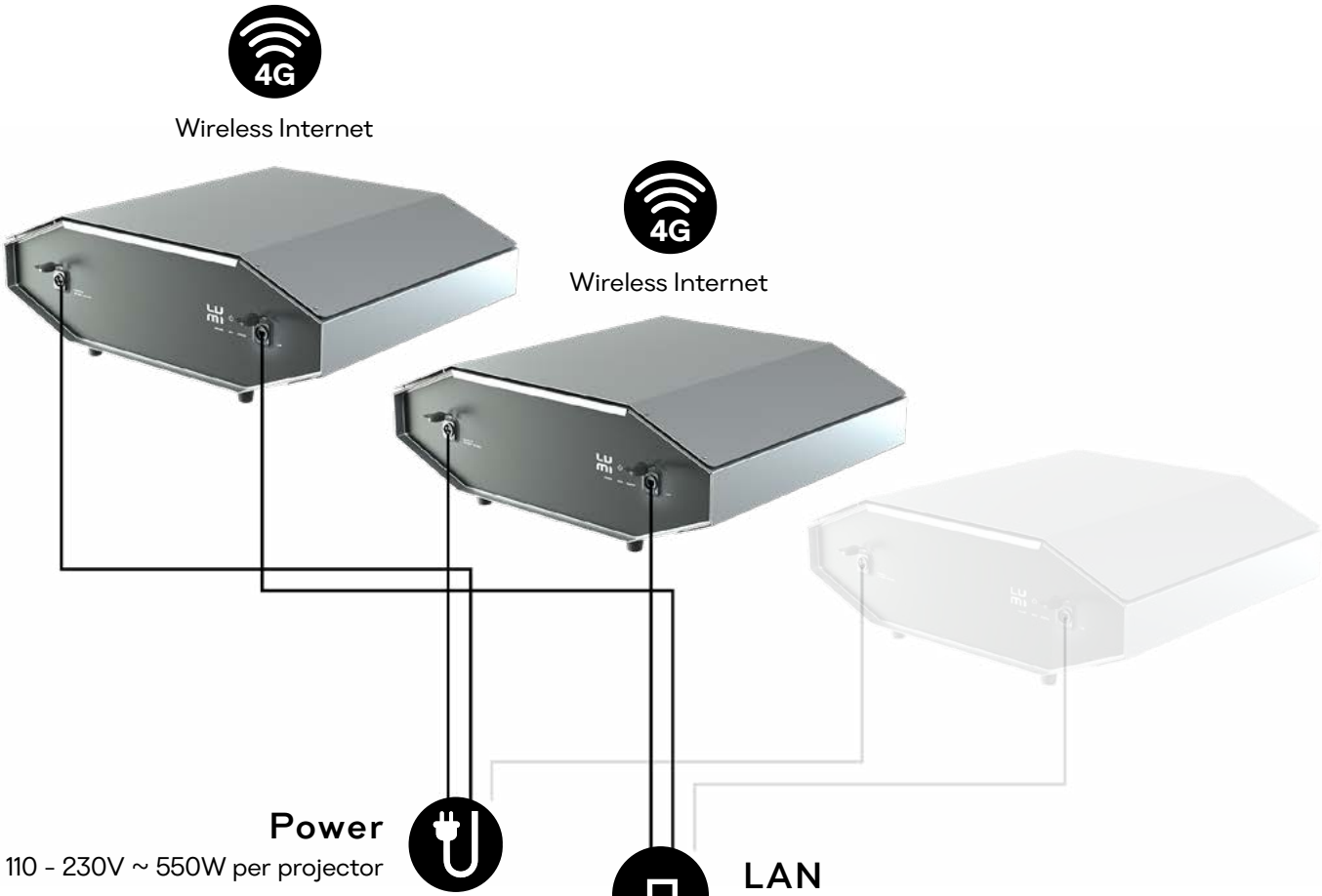
2-Channel Internet Connection available for improved reliability (Wired and/or 4G Wireless), at least 1 Channel Unrestricted Internet required for system operation.

L A Z R 4G™ Multiprojection Features

- Network Video Frame Synchronization
- Edge Blending
- Multiprojection Wizard* (*April 2021 Update)

*This setup requires LM3X Image Synchronization Router

Control device (PC, Mac, Android, iOS)
Internet access and Chrome browser required to access L A Z R 4 G UI



Power
110 - 230V ~ 550W per projector

To preserve outdoor ingress protection, use original NEUTRIK IP65 connectors.

LAN
LM3X Image Synchronization Router

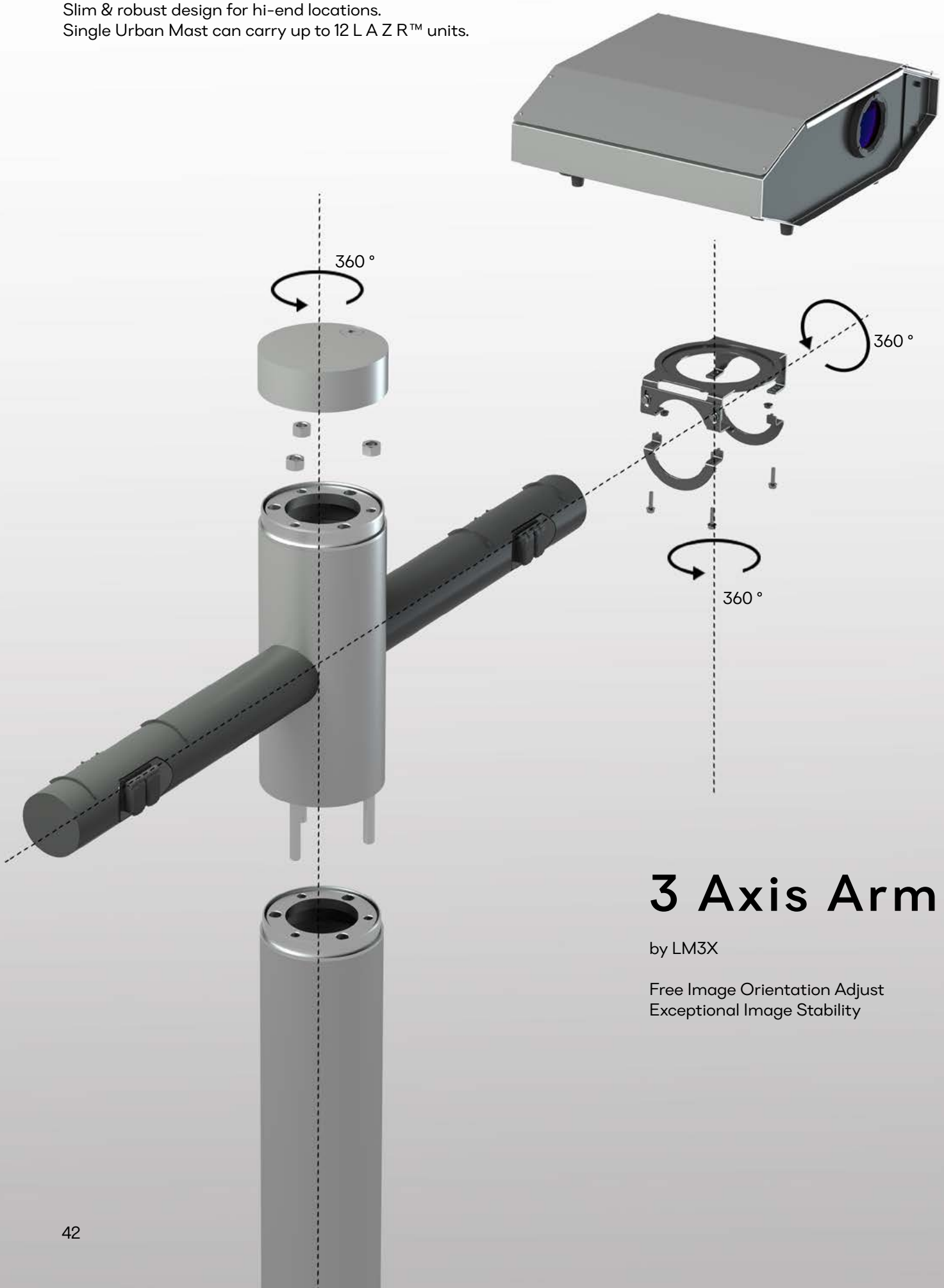
Wired Internet optional
DHCP, unrestricted

LAZR

ACCESSORIES

Urban Mast

Slim & robust design for hi-end locations.
Single Urban Mast can carry up to 12 L A Z R™ units.



3 Axis Arm

by LM3X

Free Image Orientation Adjust
Exceptional Image Stability

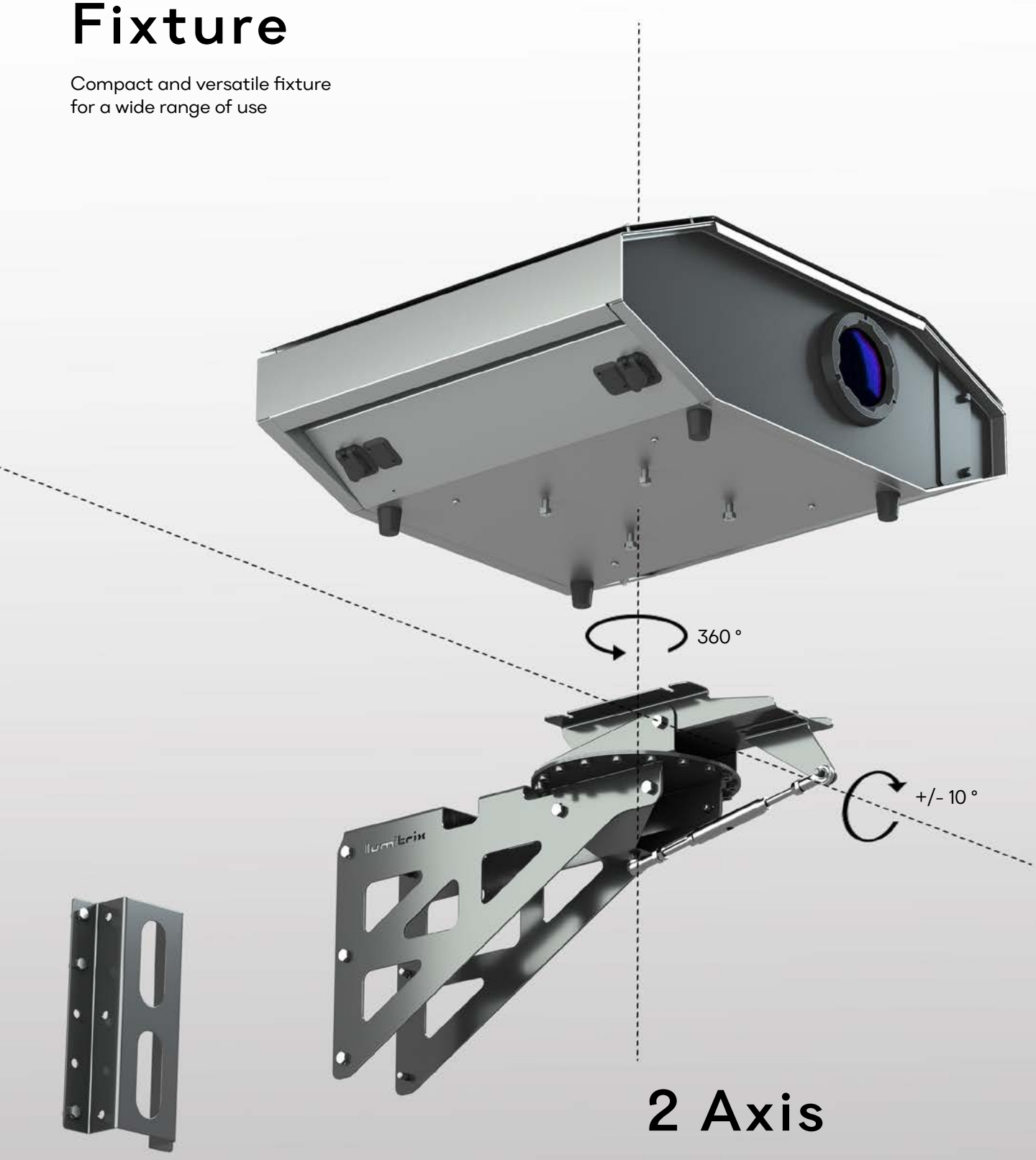
Portrait mode

Landscape mode

Warning: Default L A Z R™ shield enables Landscape image mode only. For Portrait mode, use equipment: Portrait Mode Shield

Wall/Post Fixture

Compact and versatile fixture
for a wide range of use



2 Axis

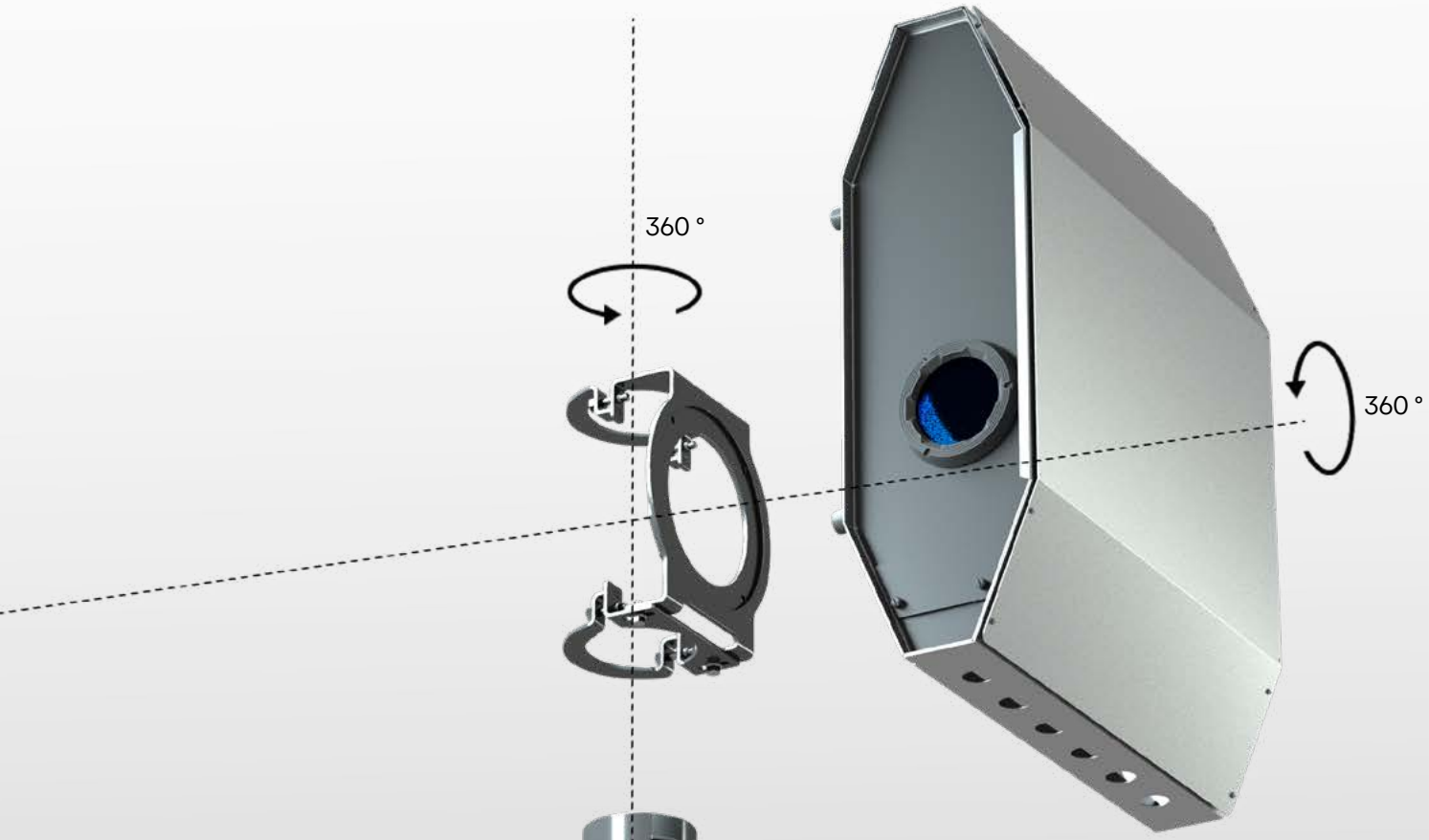
Image Orientation Adjustment
Landscape mode only

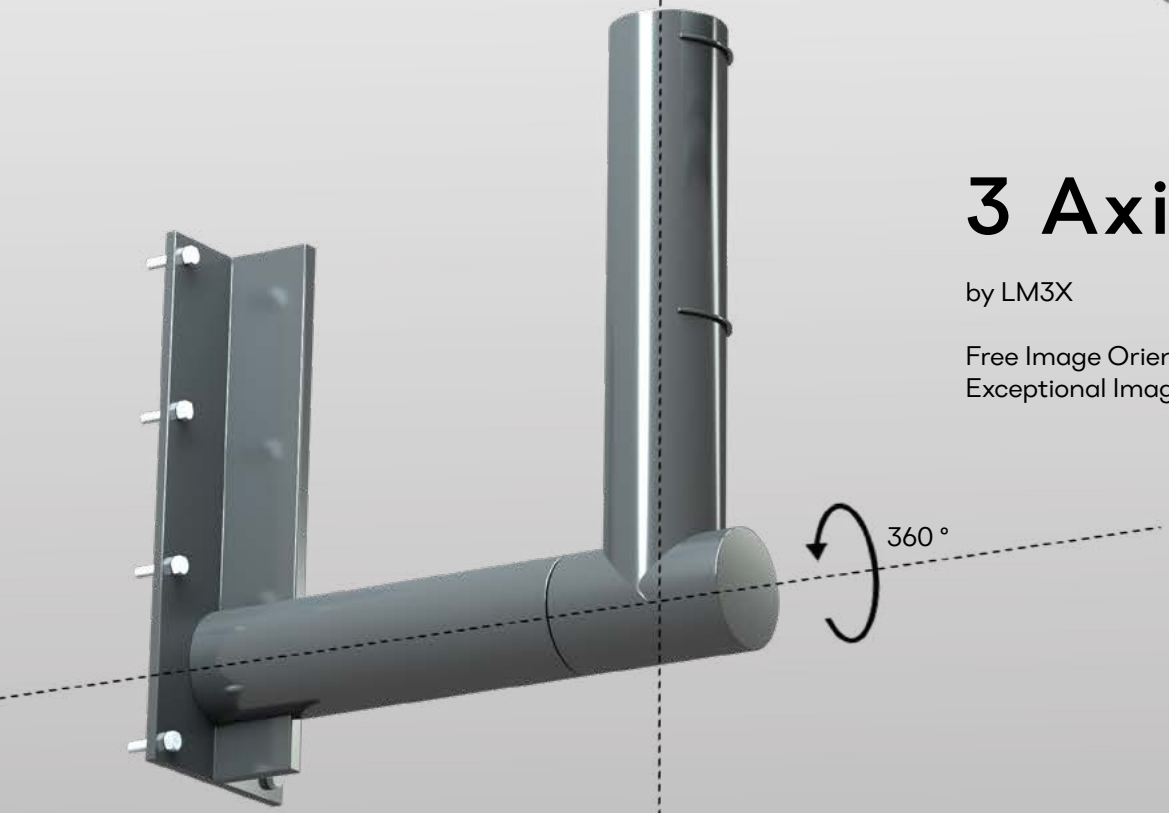
Landscape
mode

Wall/Post Fixture

Landscape
mode

360
Fixture





3 Axis Arm

by LM3X

Free Image Orientation Adjust
Exceptional Image Stability

Portrait mode

Landscape mode

Warning: Default L A Z R™ shield enables Landscape image mode only. For Portrait mode, use equipment: Portrait Mode Shield

Tripod Eventor

Compact and versatile chassis
for events

2 Axis

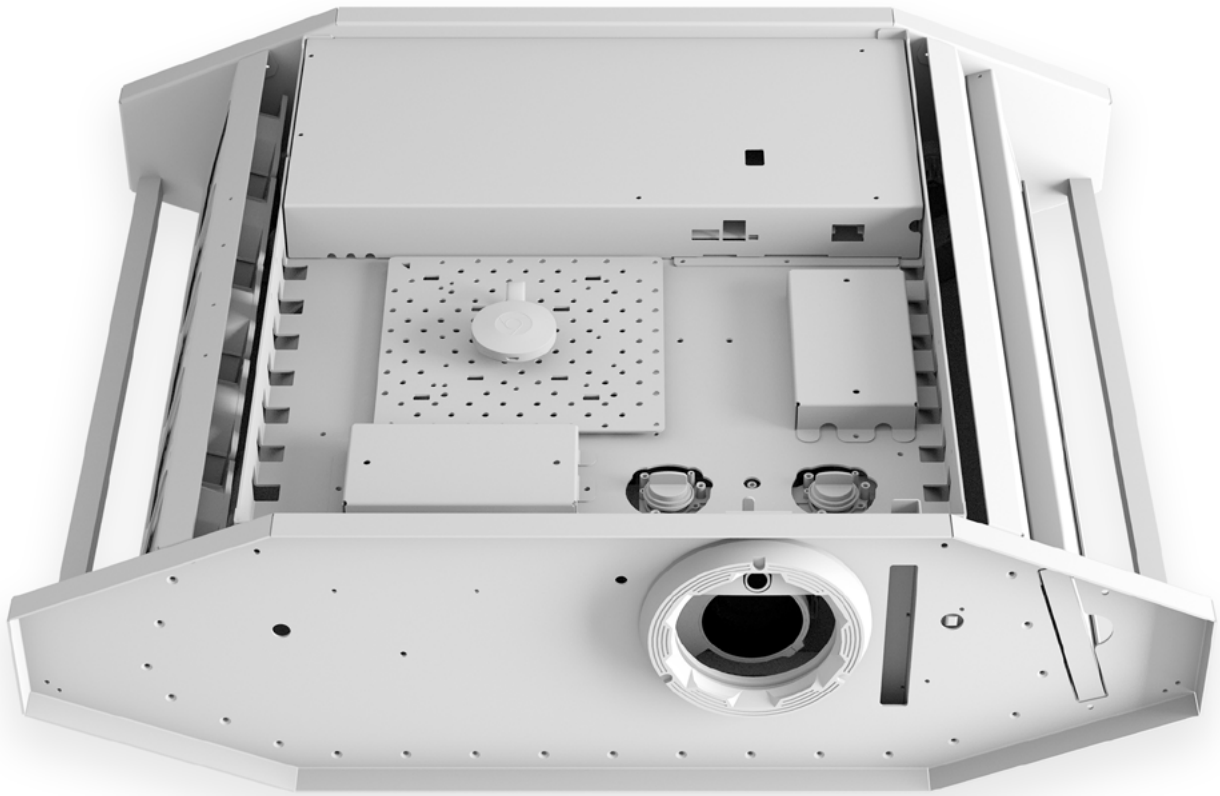
Image Orientation Adjustment
Landscape mode only

Avenger Roller or a similar illumination stand with 11/8" (28mm) female socket

Landscape
mode

LAZR

PRICELIST



L A Z R

L A Z R™ Outdoor video Projector HDMI HDBaseT
Landscape mode

24 kg
HS 852 869 80 90

L A Z R 4G

L A Z R 4G™ Outdoor video-mapping projector HDMI
Landscape mode

24kg
HS 852 869 80 90

Aluminium Shield

Portrait mode only
3 kg

Wi-Fi Plastic Shield

Landscape mode only
2 kg

Wi-Fi Plastic Shield

Portrait mode only
2 kg

360 Fixture

35 kg
HS 852 990 92 57

Price offer valid until Q2 2022

Urban Mast X-part

35 kg

Urban Mast
Main Columnn

Type A max 6 projectors
Type B max 12 projectors

Type A 110 kg
Type B 235 kg

Wall / Post Fixture

12 kg
HS 852 990 92 57

Tripod Adapter

fits in 1 1/8" (28mm) socket.
Use with Avenger Roller or similar.

2,38 kg
HS 852 990 92 57

Air filter pack (10 pcs)

0,102 kg
HS 540 490 90 90

LM3X Image Synchronization Router

0,7 kg
HS 851 762 00 00

Cellular network

T4 L A Z R 4G™ is made with two types of cellular network receiver.
The type of modem used in your device is indicated on the side of the device.

If you use your device in a diff erent location than what your machine is confi gured for, you may experience problems connecting your device using the cellular network.

CELLULAR NETWORK - E:
Variant for EMEA/Brazil/APAC

• LTE-FDD: B1/B3/B5/B7/B8/B20/B28/B32
• LTE-TDD: B38/B40/B41
• 2×CA: B1+B1/B5/B8/B20/B28;
B3+B3/B5/B7/B8/B20/B28;
B7+B5/B7/B8/B20/B28;
B20+B32; B38+B38; B40+B40; B41+B41
• WCDMA: B1/B3/B5/B8

CELLULAR NETWORK - A:
Variant for America/Canada/Mexico/Argentina

• LTE-FDD: B2/B4/B5/B7/B12/B13/B25/B26/B29/B30/B66
• 2×CA: B2+B2/B5/B12/B13/B26/B29;
B4+B4/B5/B12/B13/B26/B29;
B7+B5/B7/B12/B13/B26/B29;
B25+B5/B12/B13/B25/B26/B29;
B30+B5/B12/B13/B26/B29;
B66+B5/B12/B13/B26/B29/B66
• WCDMA: B2/B4/B5

Declaration of Conformity

Hereby declare that:
Product: OUTDOOR PROJECTOR
Product family: T
Machine Type: T4

Is compliant with the essential requirements and any other relevant provisions of the following EC directives, and that all the necessary steps have been taken and are in force to assure that the production units of the same product will continue to comply with the above specifi ed requirements.

ELECTRICAL SAFETY TEST
The following regulations have been used:
EN 62368-1:2014 + AC:2015-05 + A11:2017

ELECTROMAGNETIC COMPATIBILITY TEST
The following regulations have been used:

EN 55024:2010
EN 55032:2015
EN 61000-3-2:2014
EN 61000-3-3:2013
EN 61000-4-2:2008
EN 61000-4-3:2006 +A1:2007 +A2:2010
EN 61000-4-4:2012
EN 61000-4-5:2014
EN 61000-4-6:2014
EN 61000-4-11:2004,

Declaration of RoHS2 Compliance

Product: OUTDOOR PROJECTOR
Trade Name: LUMITRIX
Machine Type: T4

This product has been designed and manufactured in compliance with Directive 2011/65/EU of the European Parliament and the Council on restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS2 Directive) and is deemed to comply with the maximum concentration values issued by the European Technical Adaptation Committee (TAC) as shown below:

Substance	Proposed Maximum Concentration	Actual Concentration
Lead (Pb)	0.1%	< 0.1%
Mercury (Hg)	0.1%	< 0.1%
Cadmium (Cd)	0.01%	< 0.01%
Hexavalent Chromium (Cr6+)	0.1%	< 0.1%
Polybrominated biphenyls (PBB)	0.1%	< 0.1%
Polybrominated diphenyl ethers (PBDE)	0.1%	< 0.1%

Certain components of products as stated above are exempted under the Annex III of the RoHS2 Directives as noted below:
Examples of exempted components are:
1. Mercury in cold cathode fl uorescent lamps and external electrode fl uorescent lamps (CCFL and EEFL) for special purposes not exceeding (per lamp):
(1) Short length (=<500 mm): maximum 3.5 mg per lamp.
(2) Medium length (>500 mm and =<1,500 mm): maximum 5 mg per lamp.
(3) Long length (>1,500 mm): maximum 13 mg per lamp.
2. Lead in glass of cathode ray tubes.
3. Lead in glass of fl uorescent tubes not exceeding 0.2% by weight.
4. Lead as an alloying element in aluminium containing up to 0.4% lead by weight.
5. Copper alloy containing up to 4% lead by weight.
6. Lead in high melting temperature type solders (i.e. lead-based alloys containing 85% by weight or more lead).
7. Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectronic devices, or in a glass or ceramic matrix compound.

NOTES

NOTES

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extreme quality control

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