




WOLFVISION VZ-C6 Ceiling Visualizer Instruction Manual

[Home](#) » [WOLFVISION](#) » WOLFVISION VZ-C6 Ceiling Visualizer Instruction Manual 

WOLFVISION VZ-C6 Ceiling Visualizer Instruction Manual



Contents

- 1 Precautions
- 2 Regulatory Information
 - 2.1 Worldwide Patents
- 3 Symbol Legend
- 4 Safety Procedures
- 5 Preparation
- 6 Ceiling Preparation
- 7 Distance to image center
- 8 LIMITATION OF WARRANTY!
- 9 Operating the Visualizer for the first time
- 10 Quick Setup Guide
- 11 Auto Height Adjustment
- 12 Manual Height Adjustment
- 13 Dismantling of the Visualizer
- 14 Declaration of conformity (CE)
- 15 UK Declaration of Conformity
- 16 Documents / Resources
 - 16.1 References
- 17 Related Posts

Precautions



Risk of electric shock Dangerous voltage inside.



Double pole / neutral fusing.

Please observe the following:

!CAUTION! INSTALLATION AND SERVICING OF THE VISUALIZER MUST BE PERFORMED BY QUALIFIED SERVICE/INSTALLATION PERSONNEL FOLLOWING THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AND IN COMPLIANCE WITH THE NATIONAL ELECTRIC CODE, ALL LOCAL BUILDING AND SAFETY CODES AND ALL OTHER APPLICABLE CODE PROVISIONS OR REGULATIONS.

USE THIS UNIT ONLY WITH THE CORRECT VOLTAGE AS SHOWN ON THE TYPE LABEL!

DO NOT EXPOSE THE UNIT TO HEAT OR MOISTURE!

PROTECT THE UNIT FROM EXCESSIVE SHOCKS !

USE SECURITY ROPE TO PREVENT IT FROM FALLING DOWN !

Make sure that sufficient air circulation for cooling the unit is possible (ventilation slots on top of the unit)!

If there is any abnormality (abnormal noise, smell, smoke etc.) disconnect the unit from mains immediately and contact your Visualizer dealer!

Do not use a damaged power cord. This may cause short circuits or electrical shocks!

To prevent danger, do not modify the unit or operate without the cover panel firmly in place!

Do not expose the unit to water, metallic objects or any flammable material.

Avoid installing the unit in locations exposed to strong magnetic fields or electrical currents.

Avoid installing the unit in environments where there is radiation. This could cause monitor image distortion or damage to the camera sensor.

Do not pull the plug from the power socket with wet hands!

If the unit is not used for a long time, disconnect it from mains!

The protective earth shall be connected!

Operation of the unit might be harmful for domestic animals and operation is only permitted without their presence.

The integrated LED lamps are classified as risk group 2 (RG2) according to the EN 62471:2008.

The integrated LED lamps are exclusively intended to illuminate objects and documents to be recorded.
The batteries of the remote control shall be checked at regular intervals. Remove it if the remote control will be not used for a long period of time.
The device is designed to be mounted stationary on room ceiling, its disconnecting device from mains is considered to be part of building installation.
The earthing connection shall be tested with the end product to be connected.

Additional information regarding the integrated LED lamps:



Warning

Damage to eyes and optical instruments!

- Do not stare into beam!
- Do not modify the LED lighting system!
- Do not view the light beam with optical instruments!

Warning notice

The integrated LED lamps are exclusively intended to illuminate objects and documents to be recorded.

Regulatory Information

Warning!

This is a class A device. Operation of these equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

FCC information:

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:

1. this device may not cause harmful interference, and
2. this device must accept any interference received, including interference that may cause undesired operation.

Note:

This equipment has been tested and found to comply with the limits for a class A digital device, pursuant to part 15 of the FCC rules. Operation of these equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Information to user: Changes or modifications not expressly approved by WolfVision could void the user's authority to operate this equipment.

Warning notice

Operation of this equipment in a residential environment could cause radio interference.

Purpose of use

The present device is a visualizer for the image acquisition of documents and objects, including the transmission of the image data to an output device, for example to a monitor during a presentation.
The device is only to be used in an office environment and indoors.

Worldwide Patents

KR 128059 AU 765617
DE P58907684.1-08
US 5,027,219
CN ZL99118847.0
CN 89107780.4 EU 0 987 874
JP 1725033
JP 3 544 900
and others

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In the interest of continuing product improvement, WolfVision reserves the right to change product specifications without notice.

Information in this document may change without notice.

Disclaimer: WolfVision shall not be liable for technical or editorial errors or omissions.

The units are "MADE IN EU/AUSTRIA"

Printed in Austria, December 2021

Symbol Legend



Attention

This symbol marks safety instruction procedures where a High Risk of Personal Injury is present. Be sure to read all directions very carefully and exercise extreme caution! Also be sure to follow proper health and safety rules in accordance with applicable local and federal laws.



Attention Warning

This symbol marks instructions that require special attention in order to avoid possible **Equipment Damage**.

Safety Procedures

The Ceiling Visualizer is built with state-of-the-art technology and is safety engineered. Regardless of this operational risks may be present if proper safety procedures are not obeyed.

It is essential that all safety and instruction procedures are read and followed accordingly!

- Store all operation manuals in an easily accessible area !
- The unit must be installed or repaired by authorized and certified personnel only !
- Always follow safety and operational procedures when working with the unit !
- Respect all warning and operation signs !
- Security features must not be disabled or removed !

Preparation

1. Inspect the unit for any transport damage. In the event that damage is found, call your WolfVision dealer immediately and do not attempt installation of the Ceiling Visualizer !
2. Confirm that all parts and accessories are present



Read this document through completely before starting the installation!

Ceiling Preparation

Due to the diverse installation possibilities of our ceiling mounting bracket, WolfVision kindly requires you to mount the appliance only on a concrete ceiling capable of carrying heavy load. Please study the following installation steps carefully. Should you encounter any problems (not covered in the installation instructions), please contact your WolfVision representative for assistance. Take special notice regarding the weight of the Ceiling Visualizer and the potential for personal injury, as well as the possibility for damage to the Ceiling Visualizer or other objects that may occur if proper mounting precautions are not followed !



Failure to follow instructions can lead to severe injury!

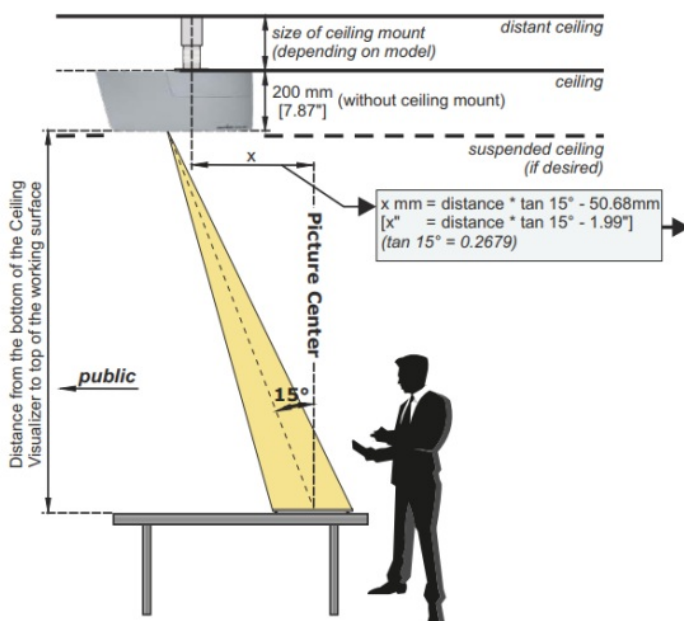
To avoid possible injury, ensure that the ceiling construction is able to support five times the required Visualizer weight !

Installation Position

A difference between Ceiling- and "Desktop"-Visualizers is that the size of the smallest and largest image the unit can pick up is not fixed. This depends on how high above the working surface the Visualizer is mounted. It is very important to know which image sizes you would like to pick up with the Ceiling Visualizer before installing the unit, in order to correctly calculate the respective mounting height.

Please refer to the calculation program on WolfVision's homepage (see page 5).

Distance to image center



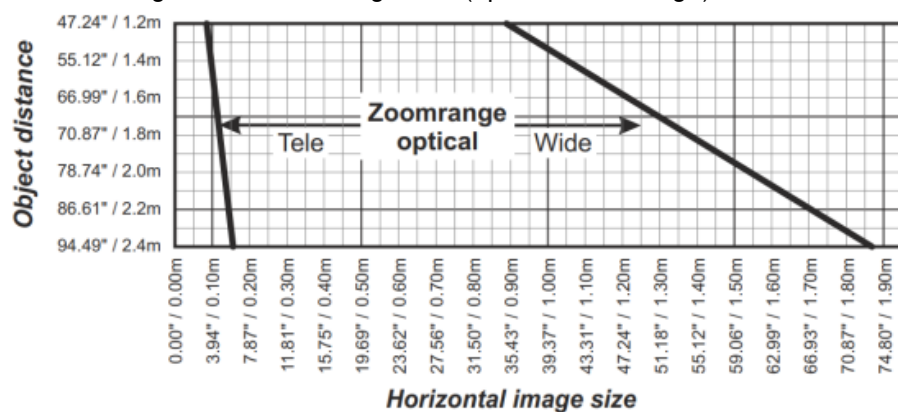
The table shows the distance which is called "x" in the illustration on the left side:

Distance Visualizer to working surface	Distance Visualizer- center to image center
1,203	217
1,400	271
1,600	324
1,800	378
2,000	432
2,200	485
2,400	539

Distance Visualizer to working surface	Distance Visualizer- center to image center
47.4	8.54
50	9.29
60	11.97
70	14.65
80	17.33
90	20.01
94.6	21.22

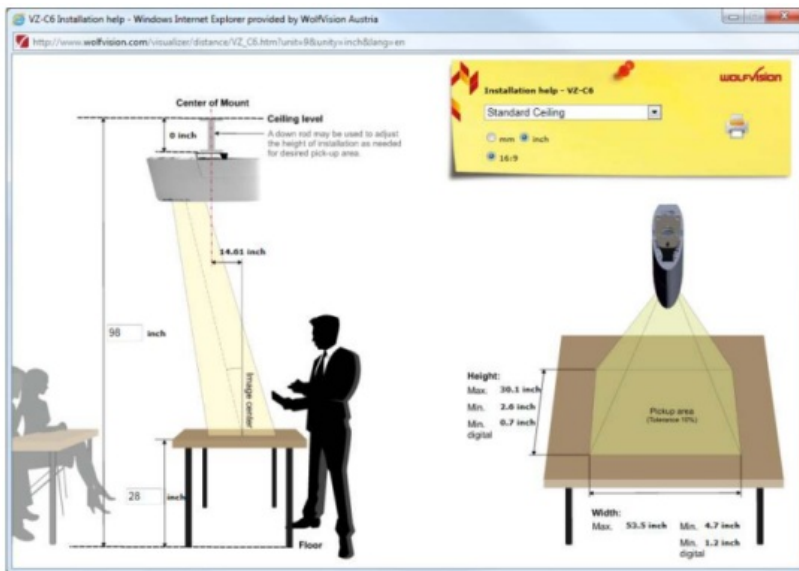
Picture Size Chart (Regular Distance From 1.2m to 2.4m / 47" to 95")

The following chart shows image size (optical zoom range) in relation to the mounting height:



Calculation program on WolfVision Homepage

A very useful method to calculate the exact positioning and the possible image sizes is a dedicated calculation program on WolfVision's homepage:



Installation of an Additional Ceiling Mount (third-party)

If the Visualizer needs to be suspended further from the ceiling than with the supplied ceiling mount (in order to allow greater magnification), a standard ceiling mount or ceiling lift for projectors may be used. An adapter plate, suitable for weight and screw fittings for the Visualizer, might be necessary. Designed for Ceiling-mount with VESAstandard (□75)

Fixing the assembly to the ceiling is dependent on the respective construction and desired mounting location. Ensure that the ceiling construction is able to carry a weight of 26kg (58lbs) and that possible collision accidents are prevented.

Important: Please give special attention to the country specific regulations for training and conferencing rooms!



IMPORTANT: Ensure solid mounting and secure connection of all parts to avoid the possibility that the unit detaches itself from the ceiling.

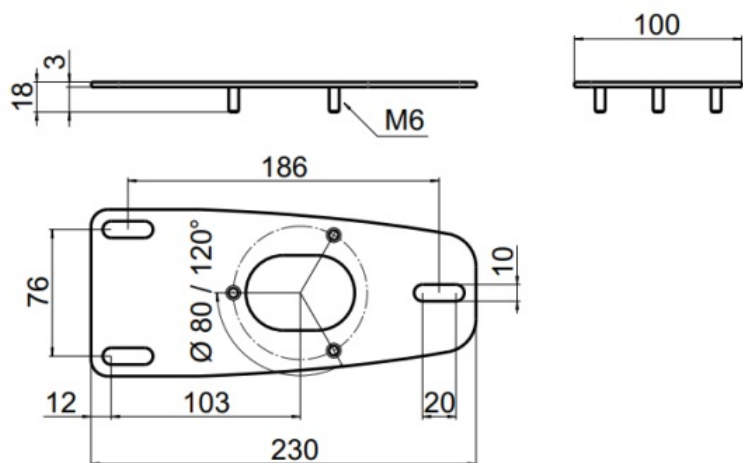
Installation in a Suspended Ceiling or Plenum Box

When the unit is built-in into the ceiling or into a plenum box, the infrared receiver may be covered. If the internal infrared receiver is insufficient, the optional external infrared receiver should be connected to the "IR-SENSOR" port.

Alternatively, the unit can be controlled via LAN.

The Ceiling Visualizer is plenum rated and a plenum box is not necessary. However when the Ceiling Visualizer will be installed in a Plenum box keep enough clearance around to enable mechanical fineadjustment of the Visualizer by moving and rotating.

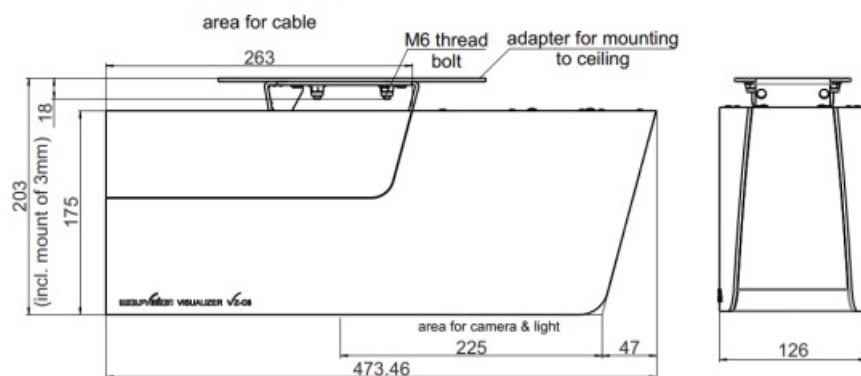
Dimensions of the Ceiling Mount Assembly [mm] (see list for dimensions in inches)



mm	Inch
3	0.118
10	0.394
12	0.472
18	0.709
20	0.787
Ø 45	1.772
47	1.847
75	2.953
Ø 80	3.149
89.9	3.539

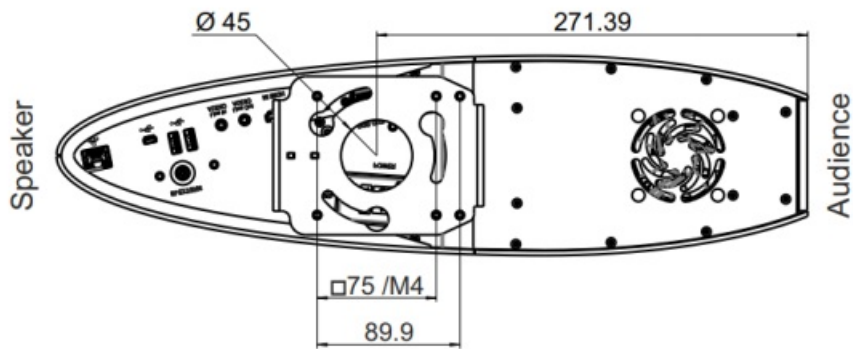
100	3.937
103	4.055
126	4.961
175	6.89
203	7.99
225	8.858
230	9.055
263	10.371
271.39	10.685
473.46	18.64

Dimensions of Ceiling Visualizer [mm] (see list for dimensions in inches)



Complying to VESA standard (□75)

Technical Specifications are Subject to Change!



IMPORTANT

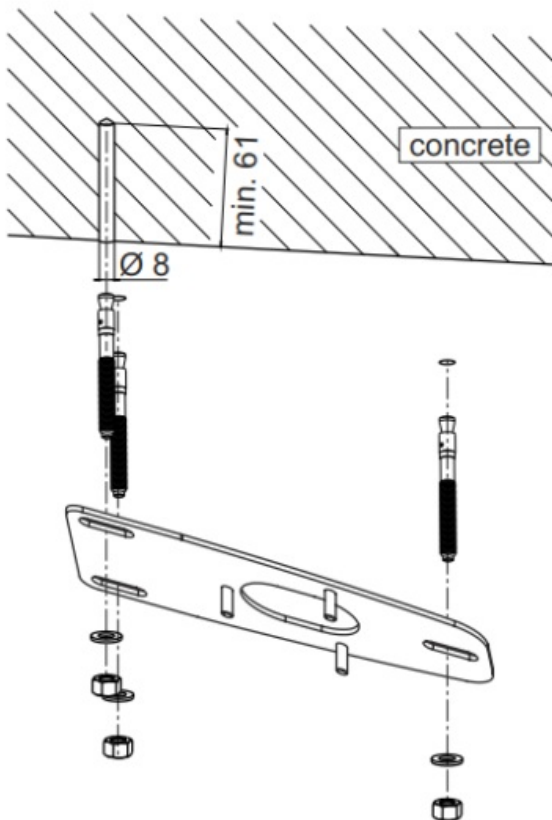
Sufficient ventilation is to be provided, otherwise it can result in damage to the equipment.

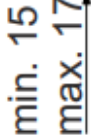
Installation of WolfVision's Ceiling Mount

Mounting the Visualizer on the ceiling using WolfVision's ceiling mount can be done very quickly and easily

IMPORTANT!

The ceiling mount must be affixed directly to concrete with three steel anchors as illustrated, to ensure a secure mounting and operation of the Visualizer! Ensure that the ceiling construction is able to carry a weight of 26kg (58lbs) and that possible collision accidents are prevented.





2.4

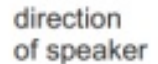


fig.1

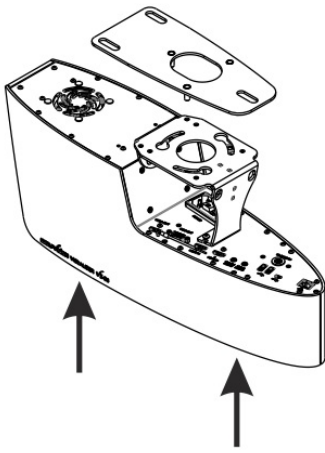


fig.2

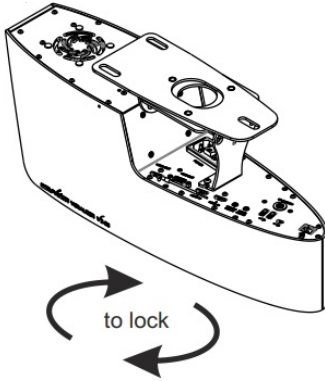
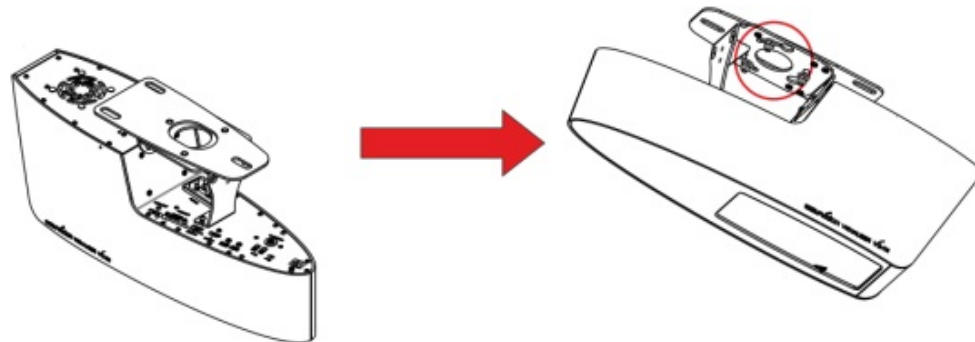


fig.3



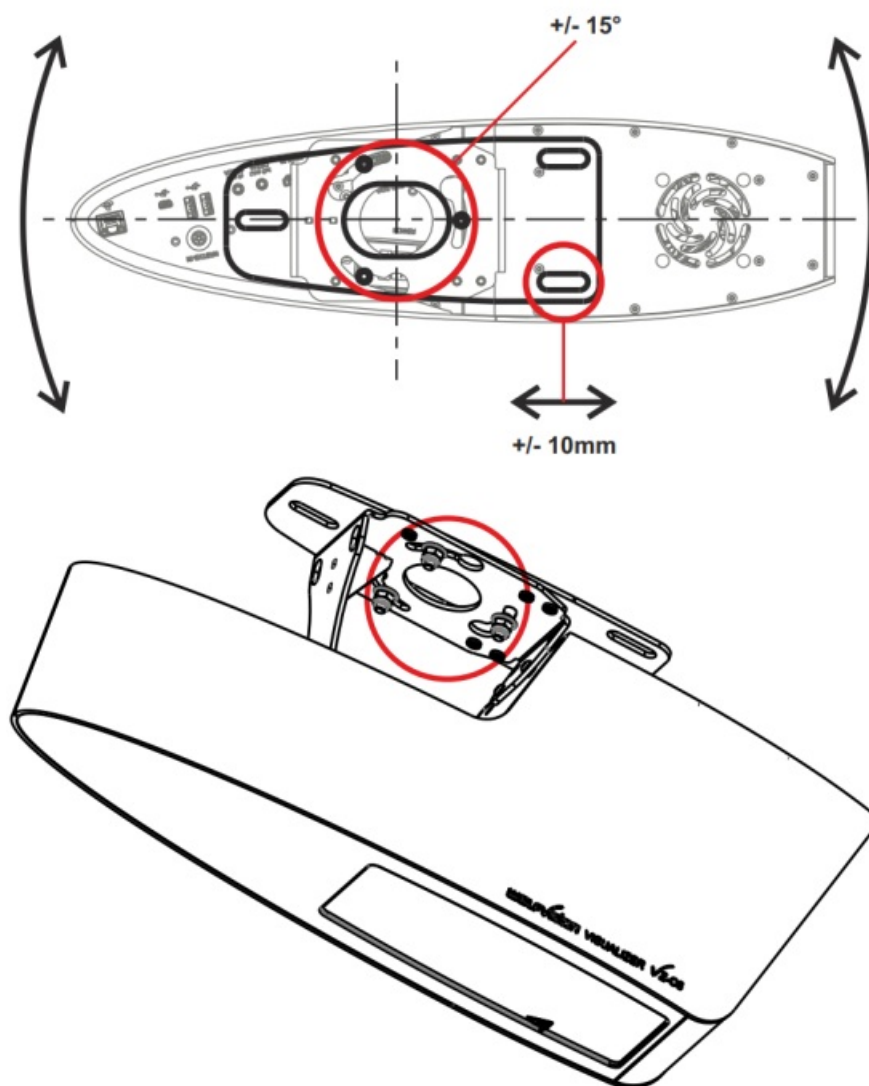
Note: cable cover is not shown in the drawings to improve readability.

LIMITATION OF WARRANTY!

WOLFVISION MAKES NO EXPRESS OR IMPLIED WARRANTY, STATUTORY OR OTHERWISE, CONCERNING THE PRODUCT, INCLUDING WITHOUT LIMITATION ANY WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR ANY WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL WOLFVISION BE LIABLE TO ANY PERSON FOR ANY CONSEQUENTIAL, INDIRECT EXEMPLARY, SPECIAL OR PUNITIVE DAMAGES OR DAMAGES FOR LOST PROFITS. WOLFVISION SHALL IN NO EVENT BECOME LIABLE FOR ANY DAMAGES ARISING OUT OF OR IN CONNECTION WITH A FAULTY INSTALLATION DUE TO (1) THE USE OF INAPPROPRIATE MOUNTING PARTS, (2) MOUNTING THE CEILING MOUNT TO A CEILING WHICH DOES NOT PROVIDE A SUFFICIENTLY SECURE SUPPORT OR (3) ANY OTHER FAULTY WORKMANSHIP.

The Visualizer can be finely-adjusted if necessary.

By loosening all three hex nuts the unit can be turned by 15 degrees to the left or right (please make sure that all three hex nuts are tightened after re-adjustment). The Visualizer can also be moved backwards or forwards +/- 10mm (0.39") by loosening the three mounting plate hex nuts on the steel anchors (please make sure that the mounting plate hex nuts are tightened again after re adjustment).



Operating the Visualizer for the first time

1. Connect power cord to the unit (#9) and to mains.
(all cables can be hidden by pulling them through the ceiling mount).
2. Connect a monitor or video projector to the HDMI /RGB output
To select the proper output mode, please read the user manual!
3. Turn the main switch on the unit (#10) to "I" (Power LED must illuminate)
4. By default, the Visualizer will be fully powered-up when mains is supplied. When the default behavior is changed by the user, press the POWER key (#46) on the remote control.

Quick Setup Guide

When the Visualizer is switched on the first time, the Quick Setup Guide will be started automatically onscreen (visible on HDMI output). Use the arrow keys to navigate through the menu.

Language

Select the desired language for the on-screen menu.

Height Adjustment

It is only necessary to conduct the Height Adjustment procedure once, unless the distance between the Visualizer and working surface is changed.

For usual installations, WolfVision recommends to use the function "Auto Height Adjustment". Should the unit be unable to adjust itself (e.g. bright ambient light), please use the "Manual Height Adjustment" instead. The Height Adjustment procedure can be repeated at any time. Just enter the on-screen menu and select Advanced Settings / Height Adjustment.

Ethernet Settings

The IP-address, Subnet Mask and Gateway IP-address can be set automatically by a DHCP-server or manually.

Time Settings

The Visualizer offers the possibility to use the internal clock or an external time server (a time valid time server IPaddress and internet connection are required)

Audio Settings

Set up audio configuration. Line-In is switched off by default and can be activated when desired.

Auto Height Adjustment

Preparation

Center the adjustment chart to the pick-up area and follow the further instructions on-screen.

Once the settings are correct, confirm it to complete the Height Adjustment Function. If the settings are incorrect, re-do the Height Adjustment or perform manual adjustment.

Manual Height Adjustment

Preparation

Center the adjustment chart to the pick-up area.

Follow the further instructions on-screen.

"Step 1: Center the Lightfield"

Center the lightfield until it is roughly in the center of the camera picture. Use the arrow buttons (#25 and #44) to center the lightfield. Confirm the setting by pressing the OK key (#26).

"Step 2: Adjust Camera Focus"

Use the FOCUS keys(#35) until a sharp image is visible. Confirm the setting by pressing the OK key (#26).

"Step 3: Adjust Light Focus"

With the FOCUS key (#35), you can focus the edge of the lightfield that is visible on the working surface until it is sharp. Again, confirm the setting by pressing the OK key (#26).

"Step 4: Center lightfield"

With the arrow buttons you can center the lightfield to pick-up area of the camera. When the lightfield is centered, press the OK key (#26) to complete the setting procedure and exit the Height Adjustment mode.

Dismantling of the Visualizer

Should it be required to dismantle the Ceiling Visualizer due to re-location or after sales service, please follow the drawings below.

Push the cable cover carefully upwards and disconnect all cables from the Visualizer. The cable cover is secured to the Visualizer by a rope to prevent it dropping down. Loosen all three hex nuts at the ceiling mount to release the Visualizer (fig.4). Turn the Visualizer clockwise to loosen it from the ceiling mount (fig.5) and remove it from the ceiling mount.

Please take into consideration the weight of the unit (5.2 kg / 11.5 lbs) when detaching it from the ceiling.

Prevent dropping down of the unit!

When needed, loosen all three hex nuts from the steel anchors at the ceiling mount to remove the mount.

fig.4

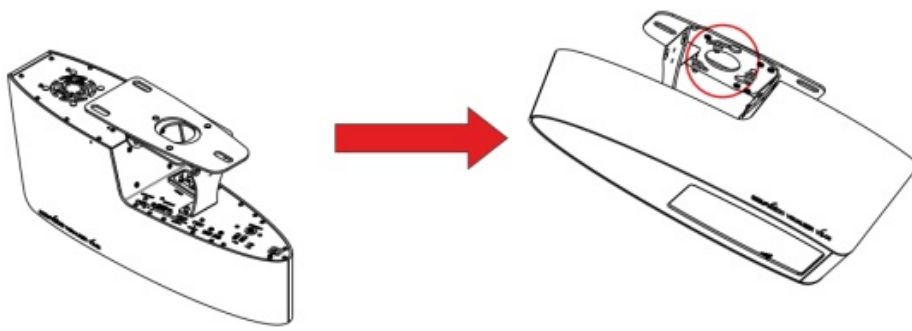


fig.5

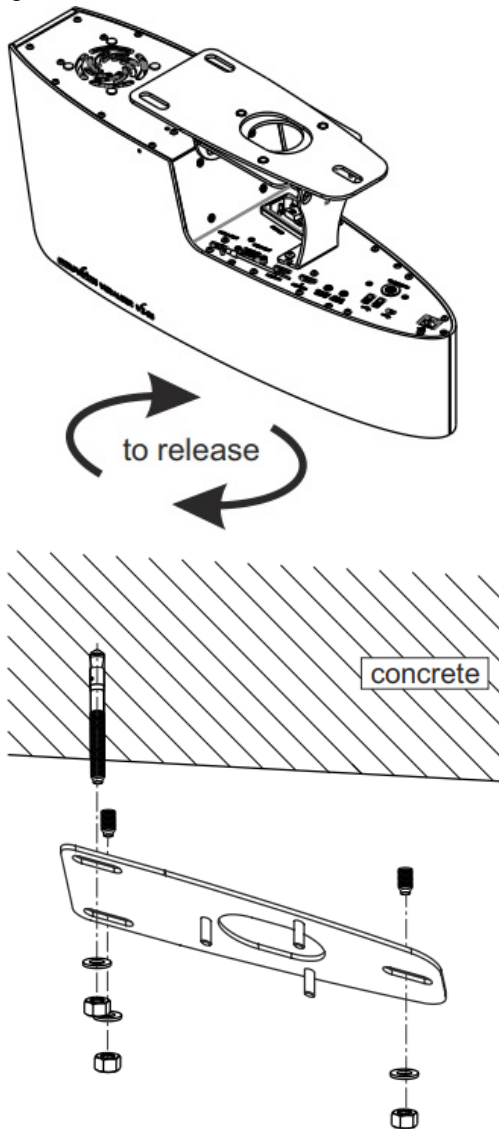
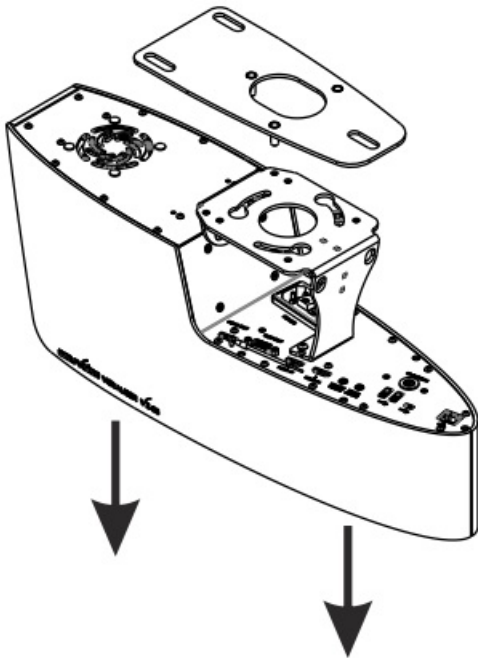


fig.6



Note: cable cover is not shown in the drawings to improve readability

Declaration of conformity (CE)

We, the WolNision GmbH, A-6833 Klaus, Oberes Ried 14 – declare under our full responsibility that the product

WolfVision Visualizer VZ-C6

complies with following European Union harmonisation legislation:

Directive 2014/35/EU Low Voltage

Directive 2014/30/EU Electromagnetic Compatibility

Directive 2011/65/EU Restriction of the use of certain hazardous substances

Commission Delegated Directive 2015/863/EU amending Annex II of 2011/65/EU

Harmonised European standards applied:

Product Safety:

EN 62368-1:2014

EN 62471:2008

EN 62311:2008

Electromagnetic compatibility:

EN 55032:2015 + A11:2020

EN 55035:2017 + A11:2020 EN 61000-3-2:2014

EN 61000-3-3:2013

RoHS:

EN IEC 63000:2018

Klaus, November 15th, 2021

WolfVision UK Ltd



Michael Lisch, Director

UK Declaration of Conformity

We, the WolfVision UK Ltd, 10 John Street, London WC1 N 2EB – declare under our full responsibility that the product

WolfVision Visualizer VZ-C6

complies with following UK Regulations:

- The Electromagnetic Compatibility Regulations 2016
- The Electrical Equipment (Safety) Regulations 2016
- The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012

The following designated standards are applied:

- EN 62368-1 : 2014
- EN 62471 :2008
- EN 62311 :2008
- EN 55032 : 2015 + A11:2020
- EN 55035 : 2017 + A11:2020
- EN 61000-3-2 : 2014
- EN 61000-3-3 : 2013
- EN IEC 63000: 2018

London, November 15th, 2021

WolfVision GmbH



WolfVision GmbH
Oberes Ried 14, A-6833 Klaus, 4355
Tel.: +43 5523 / 52350, Fax: 5224

Michael Lisch, Managing Director

Manufacturer / Worldwide Distribution

WolfVision GmbH

A-6833 Klaus

AUSTRIA

www.wolfvision.com

E-Mail: wolfvision@wolfvision.com / support@wolfvision.com

International Distribution Offices

USA

WolfVision Inc.

E-Mail: sales@wolfvision.us / support@wolfvision.us

Asia

WolfVision Pte Ltd

E-mail: wolfvision.asia@wolfvision.net

Middle East

WolfVision Representation Office Middle East

E-Mail: wolfvision.mideast@wolfvision.com

Germany

WolfVision Germany

E-mail: wolfvision.deutschland@wolfvision.com

Northern Europe

WolfVision Nordic

E-mail: wolfvision.nordic@wolfvision.net

Japan

WolfVision Co. Ltd.

E-mail: wolfvision.japan@wolfvision.com



United Kingdom

WolfVision UK Ltd.



E-Mail: wolfvision.uk@wolfvision.com



Documents / Resources

	WOLFVISION VZ-C6 Ceiling Visualizer [pdf] Instruction Manual VZ-C6, Ceiling Visualizer
	WOLFVISION VZ-C6 Ceiling Visualizer [pdf] Instruction Manual VZ-C6, Ceiling Visualizer, VZ-C6 Ceiling Visualizer

References

-  [Presentation, Collaboration & Visualizer Systems - WolfVision GmbH](#)
-  [WolfVision: Support - WolfVision GmbH](#)

