

# Operating instructions

## celexon PTZ Camera Full HD Video Conference System VKS2040



Thank you for purchasing this product.

For optimum performance and safety, please read these instructions carefully before connecting or operating this product. Please retain these instructions for future use.

## SAFETY INSTRUCTIONS

Please read and follow all the safety instructions below and on the product before connecting the camera to a power source. Failure to comply with the safety instructions may result in fire, electric shock, or personal injury, and could affect the safety features contained in the unit. Please retain all safety instructions.

- All accessories and cables must be removed before transporting the camera.
- Do not grasp the camera head when transporting the camera.
- Always use the remote control to turn the camera head. Do not turn the camera head by hand. You risk mechanical damage.
- When turning the camera, make sure that there are no obstacles within the camera's turning range.
- The camera may only be operated with the power pack supplied.
- Do not expose the camera to direct sunlight or to damp, greasy or dusty places or where the camera could come into contact with rain, smoke or steam.
- Never expose this equipment or its components to rain or moisture to reduce the risk of fire or electric shock.
- Do not drop the camera.
- Do not spill liquids on the camera.
- Do not place sources of open flames, such as lit candles.
- Do not use the camera in extremely bright conditions for long periods of time.
- The camera must not be used in the vicinity of strong electromagnetic radiation, e.g. televisions and radio transmitters. The specific frequency of electromagnetic fields can affect the camera image.
- Use the supplied power cable. Connect the power cable to a socket with a protective earth connection. It is recommended to use a multiple socket outlet with surge protection. The wall sockets must not be overloaded.
- The camera must not be installed in places subject to mechanical vibrations.
- The camera must not be placed on an unstable surface. This could result in serious personal injury and camera damage. When mounting the camera on a tripod, make sure that you follow the manufacturer's instructions. Use only the mounting materials recommended by the manufacturer.
- When unplugging the power cable, hold the plug and not the cable.
- Make sure that no one steps on the power cable especially at the power socket, or at the connection point to the camera.
- Unplug the camera if you will not be using it for a long period of time.

- The camera must not be used outside the specified temperature, humidity and power ranges.
- Unplug the camera from the mains if you need to clean it. Only use a soft, dry cloth to clean the camera and camera lens. Never use alcohol, solvents or ammonia-based liquids on this camera.
- Wash your hands after handling the cables supplied with this camera.
- The remote control of the camera uses batteries. Make sure that the polarity of the batteries (+/-) is correctly aligned. Dispose of used batteries according to local disposal regulations.
- Repairs may only be carried out by qualified personnel. The cover must not be removed. Unauthorised maintenance of your camera can be dangerous and will invalidate the warranty.
- Only use spare parts specified by celexon. Unauthorised spare parts could cause fire, electric shock or personal damage and will invalidate the warranty.
- Follow these instructions to ensure image quality throughout the life of the camera. Failure to follow these instructions may invalidate the warranty.
- Should you notice any external damage to the unit or unexpected or unusual operation, do not continue to use the product. In these cases switch off the product immediately and disconnect it from the power supply. Immediately contact the dealer from whom you purchased the product or celexon directly (Web: [www.celexon.co.uk](http://www.celexon.co.uk), Mail: [info@celexon.co.uk](mailto:info@celexon.co.uk)) for further information.
- Failure to follow the above instructions may result in personal injury or damage to the product or equipment connected to it. Incorrect installation or use may also be invalidated if the product is installed or used incorrectly.
- If you are unsure about the use of the product, contact a professional, your dealer or celexon directly. (Web: [www.celexon.co.uk](http://www.celexon.co.uk), Mail: [info@celexon.co.uk](mailto:info@celexon.co.uk)).
- Technical changes and errors are possible.

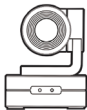
The manufacturer accepts no responsibility for damage to property or personal injury if the product is used outside the recommended specifications or if it is improperly installed.

## **DISCLAIMER**

The information in this document is subject to change without notice by the manufacturer.

Changes will be added to subsequent versions of this manual. The manufacturer does not guarantee or warranty for the correctness of the information in this document.

## IN THE BOX



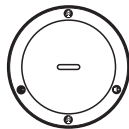
1x PTZ camera



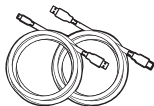
1x IR remote control



1x 12V power supply unit



1x Microphone & Loudspeaker



2x USB 2.0 cable

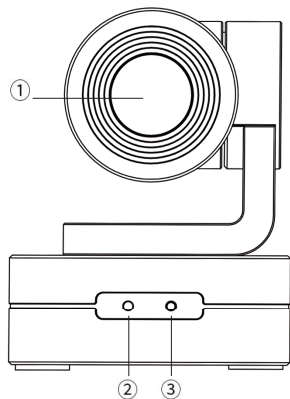
## CAMERA PARAMETERS

<b>Zoom</b>	10x
<b>Image Sensor</b>	1/ 2.8" Exmor CMOS
<b>Pixels</b>	2.7 Megapixel
<b>HOV</b>	72°
<b>Resolution</b>	1920x1080@30fps // 1280x720 // 640x480 640x360 // 352x288 // 320x240
<b>Min. Illu</b>	0.1Lux@F1.8

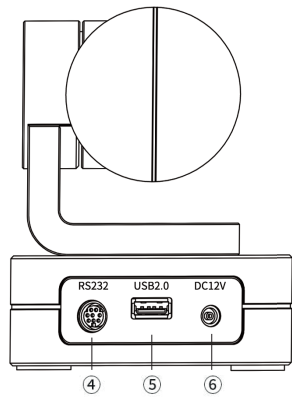
Electricity		Commucation	
Power supply	DC12V	Transmission Rate	2400/4800/9600/ 19200/38400
Power consumption	12W	Protocol	VISCA/PELCO-D PELCO-P
Decoder	Built in	Address insetsings	1-255

Operation		Surroundings	
Pivot rotation	-178°~ +178°	Surroundings	115 x 115 x 135 mm
Tilt rotation	-30°~ +90°	Operating temperature	-10°C ~ +50°C
Memory	Remote control max. 9 memory locations	Weight	1.2 kg
	A total of up to max. 255 memory locations possible	Installation possibilities	Wall/Ceiling/Tripod

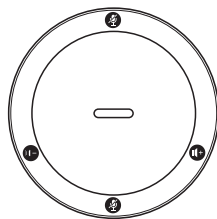
# PTZ CAMERA IN DETAIL



- ① Lens
- ② IR receiver eye
- ③ On / Off indicator

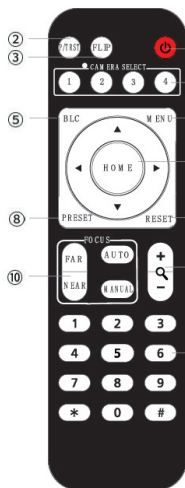


- ④ RS232 connector
- ⑤ USB 2.0 port
- ⑥ DC12V power connector



- ⑦ Mute
- ⑧ Quieter
- ⑨ Louder

# REMOTE CONTROL FUNCTIONS



- ① Power
- ② P/T RST
- ③ FLIP
- ④ Camera Select
- ⑤ BLC
- ⑥ MENU
- ⑦ Navigation
- ⑧ PRESET
- ⑨ RESET
- ⑩ FOCUS
- ⑪ ZOOM
- ⑫ Numbers

On / Standby  
Camera starts alignment  
Camera image is rotated  
Select the camera to be controlled  
Switch BLC on/off  
Open / Close Menu  
Home = Align camera centrally  
Preset + number 1-9 = preset save  
Reset + number 1-9 = reset stored preset  
Auto = auto. Focus  
Manual = manual focus  
Far = manu. Focus, background in focus  
Near = manu. Focus, foreground in focus  
+ zoom in  
- zoom out  
Memory locations 1-9

## INSTALLATION

Always connect the camera in the same way, regardless of whether the camera is connected to a permanently installed PC or a mobile laptop.

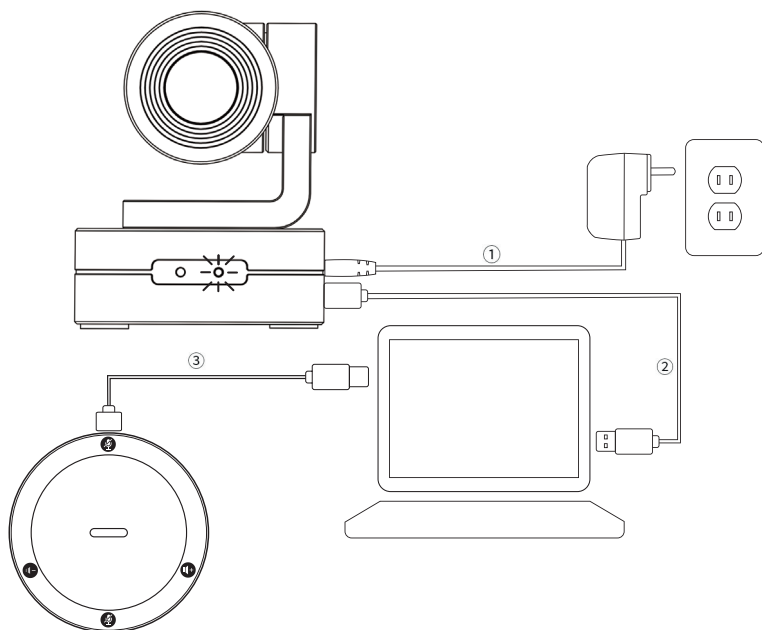
1) Connect the camera to the DC12V power supply and plug it in to power. As soon as the LED (3) lights up, the camera is switched on and ready for operation.

Note: Make sure that the camera is free of packaging material and that no objects are blocking the camera's range of movements. The camera will centre itself in the beginning. It is not necessary to align the camera by hand.

2) Connect the camera with the USB A-A cable and connect it to the PC. Optionally, the camera can also be controlled with an RS232 data cable (DIN8M) (not included in the box).

3) Connect the microphone & loudspeaker module with the other USB cable to a free USB port on your PC.

4) As soon as the PC has recognised the camera and microphone & loudspeaker module, the conference system can be started. The system can be used with all common video conferencing programs.



## INFORMATION ON UK CONFORMITY

**Manufacturer:** celexon Europe GmbH  
**Address:** Gutenbergstraße 2, 48282 Emsdetten, DE  
**Productname:** celexon PTZ Camera Full HD  
Video Conference System VKS2040

Products that are marked with the UKCA mark meet all requirements of the relevant UK directives. The UK declaration of conformity can be downloaded at the following address at: [www.celexon.de/zertifikate](http://www.celexon.de/zertifikate)



The symbol indicates the separate collection of electrical and electronic equipment in EU countries. Please do not throw the appliance into the household waste. Please find out about the take-back system in force in your country and if you have any questions about them, contact your local municipality or your local recycling and hazardous waste collection centre.