TVCC34010



User guide

Version 09/2013

English translation of the original German user guide. Keep for future use!

English

Introduction

Dear Customer,

Thank you for purchasing this product.

This device complies with the requirements of the applicable EU directives.
The declaration of conformity can be ordered from:

ABUS Security-Center GmbH & Co. KG
Linker Kreuthweg 5
86444 Affing
GERMANY

To maintain this condition and to ensure risk-free operation, you as the user must observe these operation instructions!

Before initial start-up, read through the complete operating instructions observing operating and safety instructions.

All company and product names mentioned in this document are registered trademarks.
All rights reserved.

If you have any questions, please contact your installer or your local dealer!



Disclaimer

This user manual was prepared with greatest care. If you should notice omissions or inaccuracies, please inform us about these on the back of this manual given address.
The ABUS Security-Center GmbH assumes no liability for technical and typographical faults and reserves the right to make at any time modifications to the product or user manual without a previous announcement.
The company is not liable or responsible for direct and indirect subsequent damages which are caused in connection with the equipment, the performance and the use of this product.
No guarantee for the content of this document is taken.

Icon explanation

	**A flash in the triangle is used if there is danger for the health, e.g. by an electric shock.**
	**An exclamation mark in the triangle points to an important note in this user manual which must be minded.**
	**This symbol can be found when you are to be given tips and information on operation.**

Important safety advice

	**The warranty will expire for damage due to non-compliance with these operating instructions. ABUS will not be liable for any consequential loss!**
	**ABUS will not accept liability for damage to property or personal injury caused by incorrect handling or non-compliance with the safety-instructions. In such cases the warranty will expire.**

The following safety information and hazard notes are not only intended to protect your health, but also to protect the device from damage. Please read the following points carefully:

- There are no components inside the product that require servicing. Dismantling the product invalidates the CE certification and the guarantee / warranty.
- The product may be damaged if it is dropped, even from a low height.
- Install the device so that the image sensor is not subjected to direct sunlight. Pay attention to the installation instructions in the corresponding section of this user guide.

Avoid the following adverse conditions during operation:

- Moisture or excess humidity
- Extreme heat or cold
- Direct sunlight
- Dust or flammable gases, vapours, or solvents
- Strong vibrations
- Strong magnetic fields (e.g. next to machines or loudspeakers)
- The camera must not be installed on unstable surfaces

General safety information:

- Do not leave packaging material lying around. Plastic bags, sheeting, polystyrene packaging, etc., can pose a danger to children if played with.
- The surveillance camera contains small parts which could be swallowed, and should be kept out of reach of children for safety reasons.
- Do not insert any objects into the device through the openings.
- Only use replacement devices and accessories that are approved by the manufacturer. Do not connect any non-compatible products.
- Please pay attention to the safety information and user guides for the other connected devices.
- Check the device for damage before commissioning. Do not put the device into operation if you detect any damage.
- Adhere to the operating voltage limits specified in the technical data. Higher voltages could destroy the device and pose a health risk (electric shock).

Safety information

1. Power supply: power supply unit 100–240 V AC, 50/60 Hz **/** 12 V DC, 1,5 A (included in the scope of delivery)
   Only operate this device on a power source which supplies the power specified on the type plate. If you are unsure which voltage is supplied at the installation location, contact your power supply company.
   Disconnect the device from the power supply before carrying out maintenance or installation work.

2. Overloading
   Avoid overloading electrical sockets, extension cables, and adapters, as this can result in fires or electric shocks.

3. Cleaning
   Only use a damp cloth to clean the device. Do not use corrosive cleaning materials.
   Disconnect the device from the power supply while doing so.

Warnings

Observe all safety and operating instructions before putting the device into operation for the first time.

1. Observe the following information to avoid damage to the power cable and plug:
   - Do not modify or manipulate the power cable or plug.
   - Do not bend or twist the power cable.
   - Do not pull the cable when disconnecting the device from the power – always take hold of the plug.
   - Ensure that the power cable is positioned as far away as possible from any heating equipment, as this could otherwise melt the plastic coating.

2. Follow these instructions. Non-compliance with these instructions could lead to an electric shock.

   - Never open the housing or power supply unit.
   - Do not insert any metallic or flammable objects into the device.
   - Use overvoltage protection to prevent damage caused by overvoltage (e.g. electrical storms).

3. Disconnect defective devices from the power immediately and contact your specialist dealer.

	During the installation into an existing video surveillance system make sure that all devices are disconnected from the low and supply voltage circuit.
	If in doubt allow a professional electrician to mount, install and wire-up your device. Improper electrical connection to the mains does not only represent at threat to you but also to other persons. Wire-up the entire system making sure that the mains and low voltage circuit remain separated and cannot come into contact with each other in normal use or due to any malfunctioning.

Unpacking

While you are unpacking the device please handle it with utmost care.

	If you notice any damage of the original packaging, please check at first the device. If the device shows damages, please contact your local dealer.

English

Table of contents

1. Intended use 18

2. Scope of delivery 18

3. Features and Functions 18

4. Camera description 19

5. Mounting / installation 19

5.1 Mounting the camera 19

5.2 Aligning the camera 20

5.3 Power supply 21

5.4 Installing the video cable 21

6. Maintenance and cleaning 21

6.1 Maintenance 21

6.2 Cleaning 22

7. Disposal 22

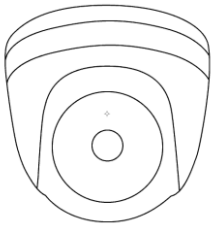
8. Technical Data 22

1. Intended use

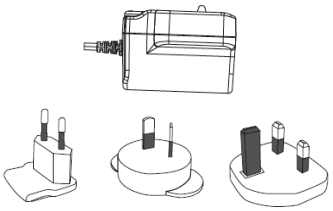
The dome camera is designed for both daytime and night-time use. Thanks to its protection class IP66 it can used both inside and outside. The day/night outdoor dome camera is equipped with a high-quality image sensor. It is used for video surveillance in conjunction with a recording device or surveillance monitor.

For a detailed description of functions, refer to Section 3, “Features and functions”.

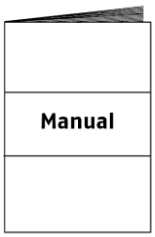
2. Scope of delivery



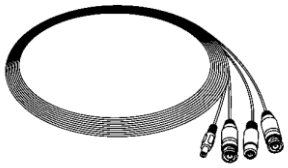
Day/night mini outdoor dome camera including mounting material



Power supply unit including EU, Australian and UK adapters
12 V DC / 1.5 A



Manual

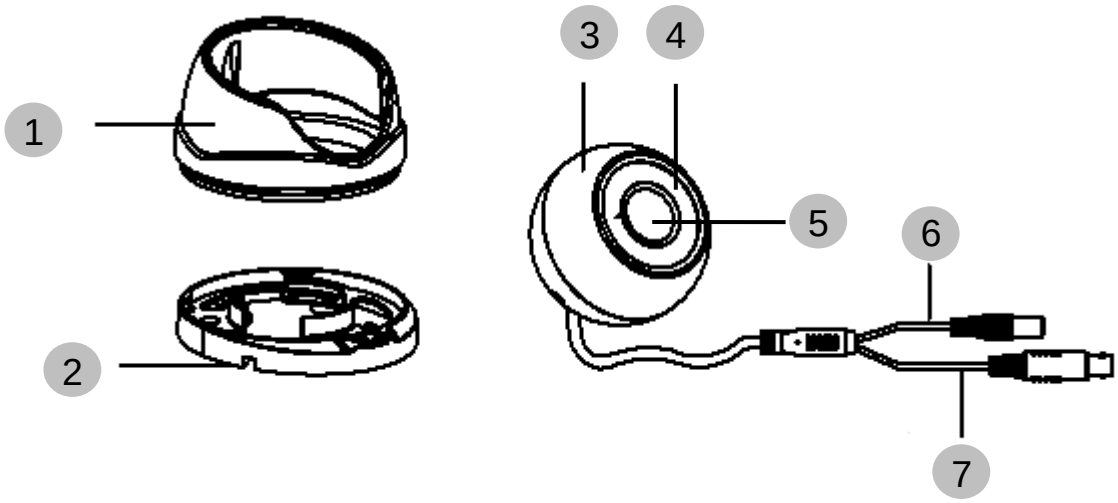


20 m combination cable

3. Features and Functions

- Compact day/night vision outdoor dome camera
- Various camera installation options – whether indoors or outdoors
- Simple design and high protection class (IP66)
- Detailed high resolution, thanks to 600 TVL
- Includes 20 m combination cable
- Ideal for the extension of TVVR30004 or TVVR30104

4. Camera description



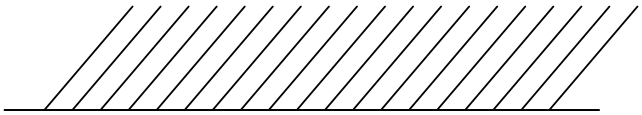
1	Camera cap
2	Base plate
3	Camera body
4	IR LEDs
5	Lens
6	Power supply
7	Video signal

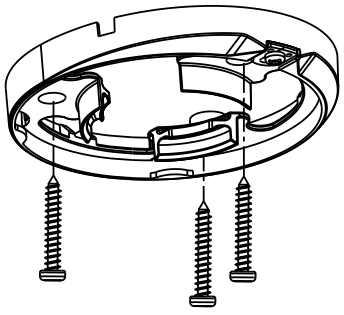
5. Mounting / installation

5.1 Mounting the camera

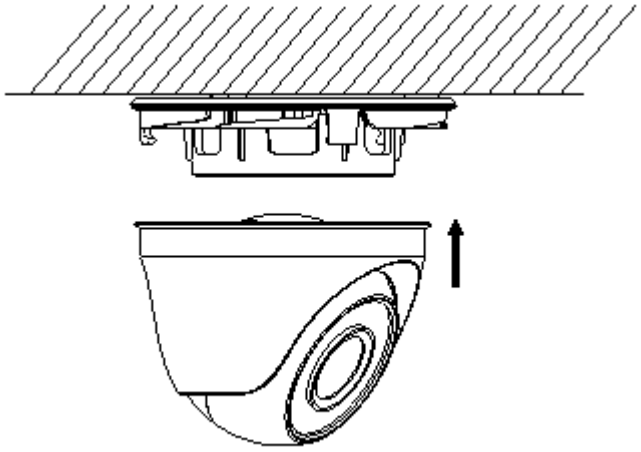
	**IMPORTANT!** The camera must be disconnected from the power supply during installation.

Loosen the fixing screws for the camera cap and remove them. Use the accompanying drilling template for drilling the mounting holes. Secure the base plate with the screws and dowels provided.



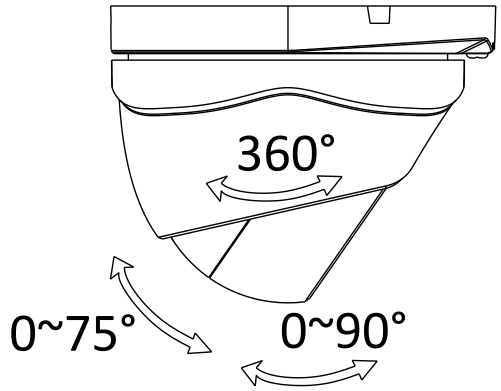


Guide the cable through the base plate, and when necessary, through the side opening. Then screw on the camera cap and secure with the fixing screws.



5.2 Aligning the camera

Loosen the fixing screws in order to align the camera.
The camera can now be aligned in 3 axes.
Please tighten the screws again when finished.



Incline	75°
Pivot	90°
Rotation	360°

5.3 Power supply

	IMPORTANT! Before starting installation, ensure that the power supply system voltage and the rated voltage of the camera are identical.
	(1) Video signal (BNC) (2) Power supply 12 V DC (5.5 x 2.1 mm) 

The cameras have a 12 V DC power supply. Ensure correct polarity when connecting. A plug-in power supply unit (round plug, 5.5 mm x 2.1 mm) is provided for the connection.

5.4 Installing the video cable

In order to transmit the video signal to a converter, monitor, or recorder, a coaxial cable of type RG59 with BNC plug (male) must be connected to the “Video OUT” connection. The cable length to the next device may not exceed 150 meters. Suitable signal amplifiers can be installed to increase the range.

6. Maintenance and cleaning

6.1 Maintenance

Regularly check the product's physical state, e.g. check for damage of the housing.

If you suspect that safe operation cannot be guaranteed anymore, disconnect the product and ensure that it cannot be used by mistake. Remove the batteries.

You can assume that safe operation is not possible anymore when

- the device shows visible damage,
- the device does not function anymore

	Please note: The product is absolutely maintenance-free for you. There are no components on the inside of the product to be checked or services by you, never open it.

6.2 Cleaning

Wipe the product with a clean, dry cloth. If the device is very dirty, you can moisten the cloth with lukewarm water.

	Ensure that no liquids can get into the device. Do not use any chemical cleaners, since they could damage the housing surface or the screen (discolorations).

7. Disposal

	Important: The EU Directive 2002/96/EC regulates the proper return, treatment and recycling of used electronic devices. This symbol means that in the interest of environmental protection the device must be disposed of separately from household or industrial waste at the end of its service life in accordance with applicable local legal guidelines. Disposing of used devices can be done at official recycling centers in your country. Obey local regulations when disposing of material. Further details on returns (also for non-European countries) can be obtained at your local authority. Separate collection and recycling saves natural resources and ensures that all the provisions for protecting health and environment are observed when recycling the product.

8. Technical Data

Model number	**TVCC34010**
Image sensor	1/3" DIS
Camera type	Day/night outdoor camera
Resolution	600 TVL
Pixels (effective)	720 (H) x 480 (V)
Lens	3.6 mm, fixed lens
Horizontal angle of view	68.4°
Day/night switch	Electromechanical IR-cut filter
Minimum illumination (colour)	0.1 lux
Minimum illumination (IR)	0 lux
Noise reduction	> 52 dB
Electronic shutter control	1/25 ~ 1/15,000 sec.
Backlight compensation	Yes
Video system	PAL / NTSC
IR LEDs	12
IR range	10 m
Connections	Video signal (BNC), power supply (DC)
Power supply	12 V DC
Power consumption	Max. 5 W
Operating temperature	-20 °C – 50 °C
Humidity	Max. 90%
Protection class	IP 66
Dimensions (H x ∅)	89.6 mm x 59.1 mm
Weight	400 g