RoughCam® IPQ3628

User Manual

SAMCON
Prozessleittechnik GmbH

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History of revisions

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1 Introduction

The RoughCam IPQ3628 is an advanced PTRZ-Dome-Camera with 8 MP resolution (3840 x 2160, 8MP@30fps) and a 1/1.2" sensors for highest image quality. The RoughCam IPQ3628 allows remote adjustment and customization of the field of view thanks to its Remote PTRZ functionality (**P**an/**T**ilt/**R**oll/**Z**oom). With 8 MP resolution and a 4K video stream the image quality is outstanding. Thanks to the Lightfinder technology, you receive razor-sharp images even in demanding light conditions.
For more information, please visit our website at www.samcon.eu
In designing the RoughCam IPQ3628, we attached a very high importance to safety, mechanical precision and high quality of stainless steel.

2 Technical data

2.1 Model variants

1) Product name	2) Type	3) Housing- (combination)	4) Temp.- range	5) Cable length [m] Cable type	6) Termination
RoughCam IPQ3628	T10-	VA4.1K.PS1-	LL.H-	000.X -	X
	T10-	VA4.1K.PS1-	LL.H-	005.N-	P
	T10-	VA4.1K.PS1-	LL.H-	005.N-	T
	T10-	VA4.1K.PS1-	LL.H-	005.A-	P

Tab. 2-1 Model key

Description:

1) RoughCam IP**Q3628 =** Functional description of the camera of the RoughCam Series (technical data/specification of the camera module)

2) T**10** = SAMCON production- type 10

3) **VA4**.1K.PS1 = Housing combination (stainless steel 1.4404) with large diameter $Ø_{VA4}$=216mm)
VA4.**1K**.PS1 = T11 VA4.1K housing with short body length ($L_{.R}$ = 145mm), Without cable- and supply flange
VA4.1K.**PS1** = Housing with thermoplastic dome

4) LL.**H** = High temperature (T_{amb} < +50°C)
LL.H = Low low temperatures (T_{amb} > -50°C)

5) **005.**N = Length of connection cable in meters at delivery; 5m is standard, max. cable length is: 005…100 [m]
005.**N** = Non armoured cable
005.**A** = Armoured cable
000.X = Without cable

6) **P** = Plug- termination (*Standard*)

	CAT6, RJ-45 network plug (heavy duty), AWG 26-22, Pin assignment acc. specification EIA/TIA-568**B**
T =	Terminal Box - termination (*Optional*) 4 x PoE Mode A connection (Camera PoE) (see electrical connection)
X =	Electrical connection via flipConnect

2.2 Electrical parameters of the camera

PoE Power input camera:

Power supply:	PoE, IEEE 802.3at Type 2 Class 4
Reference voltage:	48 VDC (44...54 VDC)
Maximum power consumption:	25 W
Typical power consumption:	8 W

2.3 Connection cable (SKD02-T/ASKD02-T)

Description:	Data transfer and power supply of the camera module (compliant with DIN EN 60079-14)
Jacket colour:	Green (GN), similar to RAL6018

Systemcable SKD02-T:

Outside diameter:	8.9 ± 0.3 mm
Bending radius:	8 x D_a when installed and 4 x D_a after relocation
Data line:	4 x 2 x AWG23/1 CAT.6
Properties:	PUR halogen-free, flame-retardant, UV-resistant, chemical resistance, shielded

Quick link:
https://www.samcon.eu/fileadmin/documents/en/60-Assembling%26mounting/SKD02-T_Datasheet.pdf

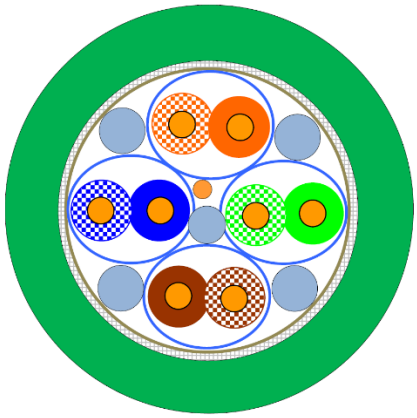


Figure 2-1 Sectional view of SKD02-T

Systemcable ASKD02-T:

Outside diameter:	12.0 ± 0.4 mm
Bending radius:	20 x D_a when installed and 10 x D_a after relocation
Data line:	4 x 2 x AWG23/1 CAT.6
Properties:	PUR halogen-free, flame-retardant, UV-resistant, chemical resistance, shielded (see www.samcon.eu)

Quicklink:
https://www.samcon.eu/fileadmin/documents/en/60- Assembling%26mounting/ASKD02-T_Datasheet.pdf

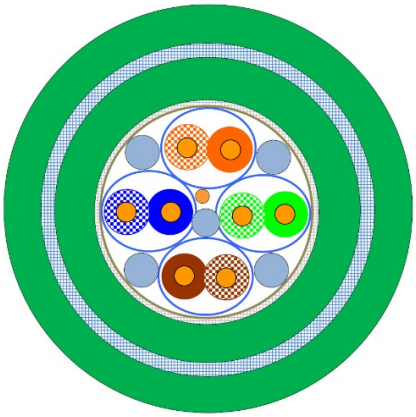


Figure 2-2 Sectional view of ASKD02-T

2.4 Video-technical characteristics

We use the AXIS Q3628-VE Dome Camera in a pressure-resistant enclosure. For details, please refer to the Product Documentation, video-technical data of AXIS®:

https://www.axis.com/products/axis-q3628-ve

2.5 Other technical data

	Camera	Terminal box
Permissible ambient temperature	-50°C … +50°C	-60°C … +55°C
Protection class as per EN 60529/IEC 529	IP66/68 (Test conditions: 24h/3m water column 5°C)	IP66
Housing material	Stainless steel, mat. no. 1.4404	Polyester resin
Weight	15 kg	1 kg
Dimensions	D216mm x 236mm	145mm x 145mm x 71mm

Tab. 2-1 Other technical data

3 Safety Instructions

It is absolutely mandatory to observe the national safety regulations and regulations for prevention of accidents, as well as the safety instructions given below in this User Manual!

Attention!
Only original parts of SAMCON Prozessleittechnik GmbH may be used for repairs.

Attention!
Prior to installation, take external sources of heat or cold into account! The temperature ranges prescribed for storage, transport and operation must be adhered to!

4 Installation

For commissioning and operating the camera, the relevant national regulations, as well as the generally accepted rules of technology shall prevail. Before mounting the camera, thoroughly check it for any transport damage, especially on the housing and cable. Installation, electrical connection and the first start must only be carried out by qualified specialists.

Work preparation:

Attention!
Prepare your work carefully and in accordance with the relevant regulations.

To ensure the best image quality delivered by the network camera, plan the installation site carefully (consider light conditions, object distance or size, angle and minimum object distance to the focus).

- Use appropriate tools and aids.
- When working, ensure a safe stand.
- Make sure that any static charge is avoided.

Attention!
Please observe the national security, installation and accident prevention regulations and the safety instructions in this User Manual, as well as the ones in the Installation Guidelines!

The RoughCam® IPQ3628 consists of a camera housing, and a terminal box …-T). Both units are connected via a reinforced 5 m cable. Or it is equipped with the flipConnect for electrical connection (Models …-X).
Mount the camera according to the desired field of view and so that a good accessibility is provided, in order to facilitate electrical connection.
If you want to view the horizon line, mount the RoughCam IPQ3628 horizontally, as in the wide-angle range an edge is visible through the housing, which obscures the horizon when mounted hanging.

Figure 4-1 RoughCam IPQ3628 wide angle range

Attention!
Please pay attention to the national and local regulations for mounting heavy loads. In case of doubt, take appropriate security measures.

Attention!
Always mount the camera using the appropriate screws (5 screws in accordance with DIN 6921 M8-A4-70 or ISO 4017 M8-A4-70/DIN 933 M8-A4-70) and the correct torque.

Drawings for drill hole patterns and further information can be viewed on our product page:

Quick link:
https://www.samcon.eu/en/products/roughcam/roughcam-ipq3628/

Option mounting accessories

Wall bracket WMB-...		**WALL MOUNT WMB VA4.X** Wall bracket for the T10 / VA4.X series Suitable for hanging the camera on walls. The scope of delivery includes a protective cover for the wall bracket. Material: stainless steel 1.4404 Load bearing: 45 kg Dimensions: 460 x 140 x 220 mm
Pole adapter PMB-…		**POLE MOUNT PMB VA4.X** Pole adapter for wall mount for the T10 / VA4.X series Material: stainless steel 1.4404 Suitable for pole diameters between 110 and 150 mm Load-bearing capacity: 50 kg
Wall-/Ceiling adapter CMB-…		**CEILING MOUNT CMB VA4.X** Pole adapter for ceiling mount for the T10 / VA4.X series Suitable also for horizontal mounting Material: stainless steel 1.4404 Load-bearing capacity: 50 kg

Tab. 4-1 Mounting accessories

5 Electrical connection

Attention!
The electrical connection of the equipment must only be carried out by officially qualified and skilled personnel!

Attention!
It is absolutely necessary to ground the RoughCam® series housing via the PA connection.

The RoughCam® IPQ3628 is equipped with an electrical connection cable of the type (A)SKD02-T (models …-P/T) or optionally with a flipConnect for the electrical connection. The maximum transmission range from the camera to the next active network interface is 100 meters and can be individually specified by the client. The user is NOT authorised to do electrical connection procedures inside the enclosure.

5.1 Equipotential bonding/Grounding

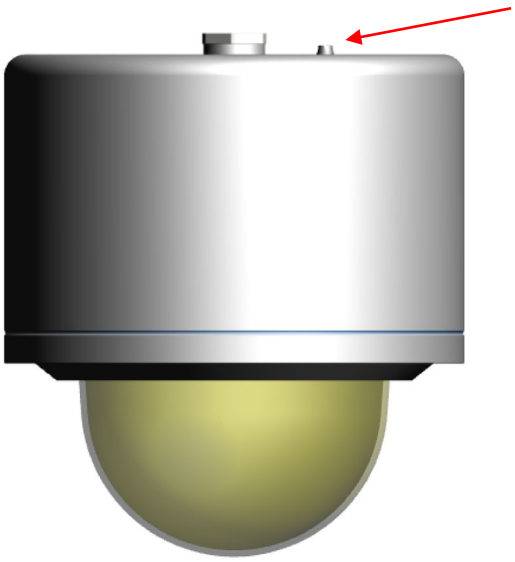


Figure 5-1 RoughCam IPQ3628 equipotential bonding

Equipotential bonding/grounding of the camera body is absolutely necessary, in order to avoid static charges and formation of sparks. For this purpose, a screw terminal is provided at the rear side, at the bottom (right) (see Figure 5.1). The cross-section of the equipotential bonding should comply with the National Ground Rules (at least 4 mm^2).

Wiring table:

Potential	Colour (IEC 60757)	Cross-section	Comment
PA	GN/YE	4 mm² (rigid)	Terminal: Slotted screw M4x0.7 (DIN 84) with washer Ø9mm (DIN 125A), Keep 3 Nm tightening torque!

Tab. 5-1 Potential equalization

5.2 Connection work at the device

Power supply for the camera (PoE)

Voltage supply:	PoE, IEEE /802.3at type 2 class 4
Reference voltage:	+48 V DC (44...54 V DC)
Maximum power consumption:	25 W
Typical power consumption:	8 W

Potential cable terminations of the RoughCam IPQ3628 are: terminal box, plug or flipConnect.

5.2.1 Connection work at the terminal box

Video Tutorial:

Observe our video tutorial:

“SAMCON 01 Wiring the cable SKDP03-T to the junction box ExTB-3”
https://go.samcon.eu/v01

Figure 5-2 Video Tutorial – Connection work at the junction box

The pin assignment of the SKD02-T is executed in accordance with the standard EIA/TIA-568B for 100BaseTX as follows:

Camera (T568B)	**Colour SKD02-T** (IEC60757)	**Terminal**	**Cross-sectional surface**	**Comment**
Tx+	WH / OG	1	0.26 mm²	Solid conductor
Tx-	OG	2	0.26 mm²	Solid conductor
Rx+	WH / GN	3	0.26 mm²	Solid conductor
Rx-	GN	4	0.26 mm²	Solid conductor
(PoE +48 VDC)	WH / BU	5	0.26 mm²	Solid conductor
(PoE +48 VDC)	BU	6	0.26 mm²	Solid conductor
(PoE GND)	WH / BN	7	0.26 mm²	Solid conductor
(PoE GND)	BN	8	0.26 mm²	Solid conductor
GND/SHD	YE / GN	PE	2.5 mm²	Flex

Tab. 5-2 Wire assignment of the terminal box (SKD02-T)

The pin assignment of the ASKD02-T is executed in accordance with the standard EIA/TIA-568B for 100BaseTX as follows:

Camera (T568B)	**Colour ASKD02-T** (IEC60757)	**Terminal**	**Cross-sectional surface**	**Comment**
Reinforcement	YE / GN	PE	2.5 mm²	Flex
Tx+	WH / OG	1	0.26 mm²	Solid conductor
Tx-	OG	2	0.26 mm²	Solid conductor
Rx+	WH / GN	3	0.26 mm²	Solid conductor
Rx-	GN	4	0.26 mm²	Solid conductor
(PoE +48 VDC)	WH / BU	5	0.26 mm²	Solid conductor
(PoE +48 VDC)	BU	6	0.26 mm²	Solid conductor
(PoE GND)	WH / BN	7	0.26 mm²	Solid conductor
(PoE GND)	BN	8	0.26 mm²	Solid conductor
GND/SHD	YE / GN	PE	2.5 mm²	Flex

Tab. 5-3 Wire assignment of the terminal box (ASKD02-T)

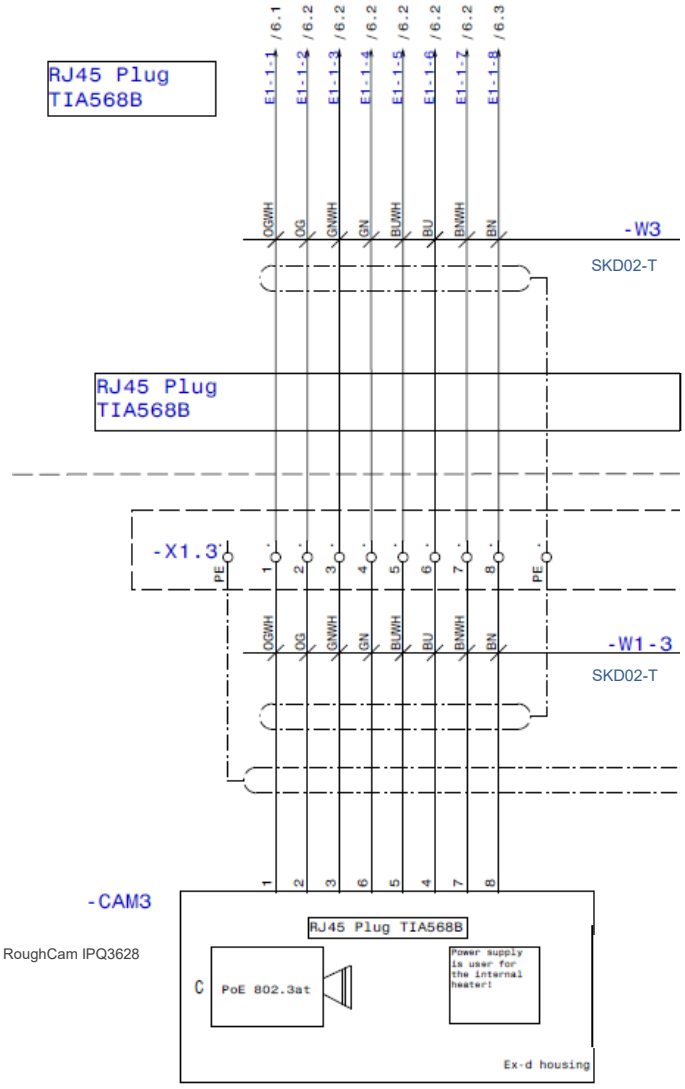


Figure 5-3 Sample circuit of the terminal box

Attention!
Introduce the foiling up to about 15 mm close to the terminals, in order to prevent alien crosstalk. Make sure that the foiling cannot cause any short circuit of the data pairs!

Attention!
Bring the twisted pair composite up to about 10 mm close to the terminals, in order to ensure interference immunity.

Attention!
Use only terminals approved by SAMCON.

Attention!
Finally, check your network installation with a Class-D Link Test.

5.2.2 Plug assignments (RJ45)

The data transfer of the RoughCam IPQ3628 uses a 100 Mbit/s Ethernet connection (100BASE-TX). If the cable termination uses a plug, the latter should be plugged into the RJ45 PoE slot of the network device (PSE). Prior to connecting it to the camera, the network device (PSE) can already be supplied with power, hence there is no „power ON“ priority which has to be observed.

Attention!
Use appropriate RJ45 plugs! Check the cable shielding, cross-section and the outside diameter!

Attention!
It is imperative to ensure a correct routing of the individual wires according to the EIA/TIA-568B"

Attention!
Finally, check your network installation with a Class-D Link Test.

Detailed instructions on how to connect a RJ45 plug are available in our video tutorial: “SAMCON 03 Mounting and installing the RJ45 jack to SAMCON cables” https://go.samcon.eu/v03

Figure 5-4 Plug assignment RJ45

5.2.3 Connection work at the device via flipConnect

We show the procedures of electrical connection via flipConnect in the following video tutorial
“Plug & Play Cable Connection via flipConnect”
https://go.samcon.eu/flipconnect

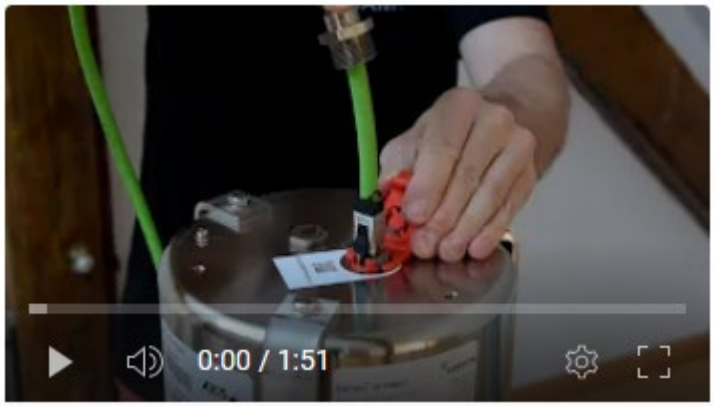
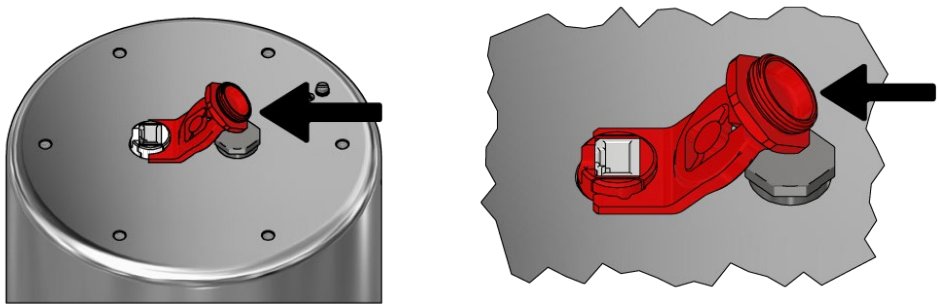


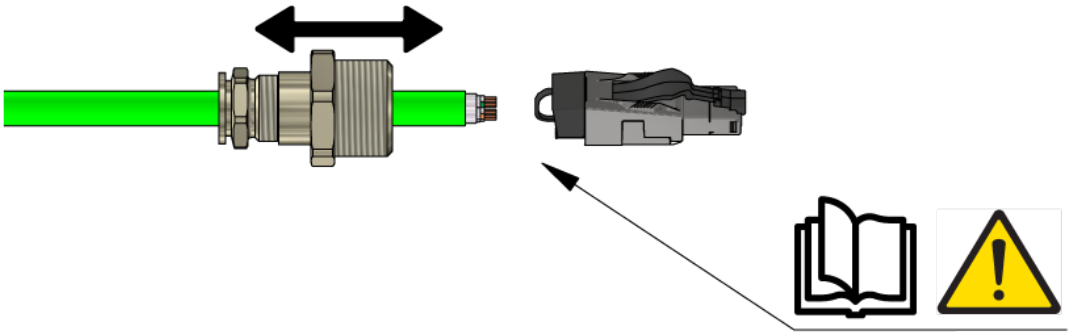
Figure 5-5 Connection via flipConnect

Unscrew the red blind plug (with integrated auxiliary tool) from the housing and **keep it save**.

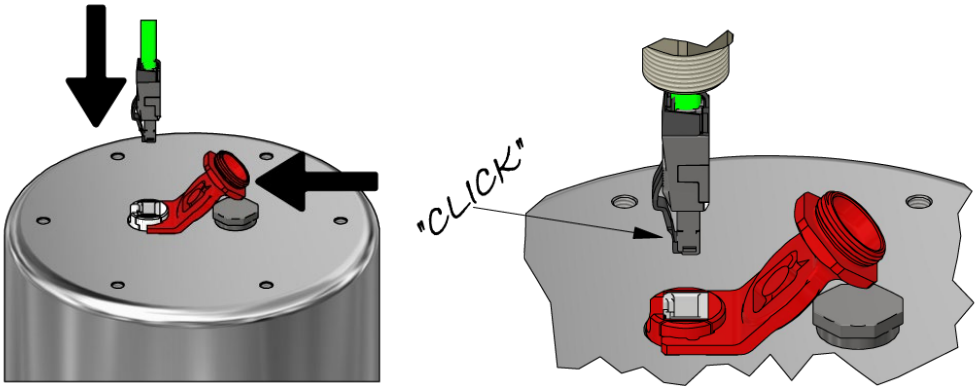
Fixate the RJ45 socket as shown in the figure below.



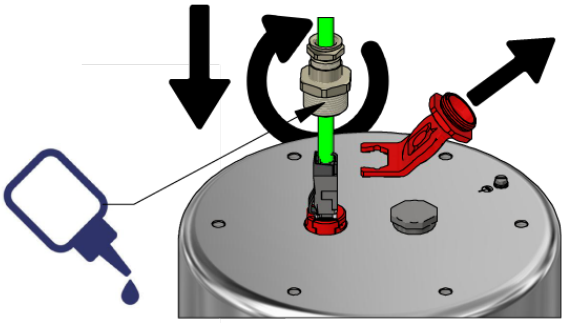
Choose a suitable cable and cable gland (e.g. the provided). Put the gland over the cable. Caution: the selected plug must be of the same length or shorter than the supplied one. Follow the respective instructions of the components.



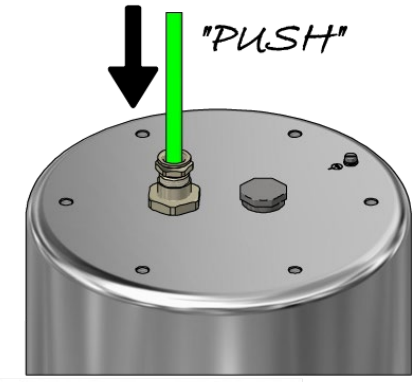
Plug in the RJ45 plug with the cable pigtail into the socket until the lock engages.



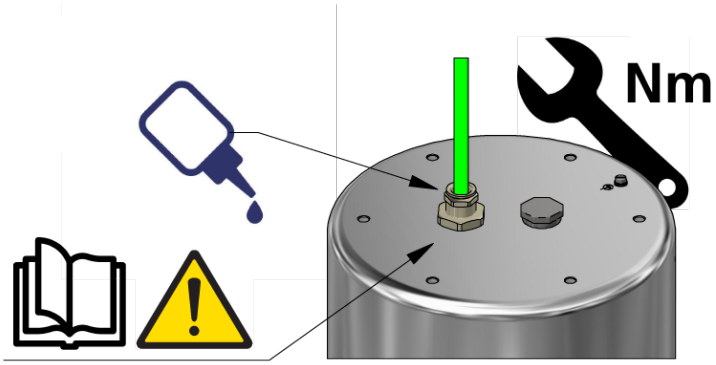
Remove the auxiliary tool and apply glue to the gland's inner thread. Then screw the gland into the housing. Attention, the cable is still movable and the gland's outer ring open.



Push the cable down.



Fasten the cable gland's outer ring. Use Loctite and refer to the operating instructions of the selected gland in order to observe the appropriate fastening torques.



Done.

Attention!
Use appropriate RJ45 plug! Pay attention to shielding, cross-section and outer diameter of the cable!

If RoughCam IPQ3628 is delivered **without** cable and gland the electrical connection is made via RJ45 network socket in the housing through M25 entry (flipConnect).

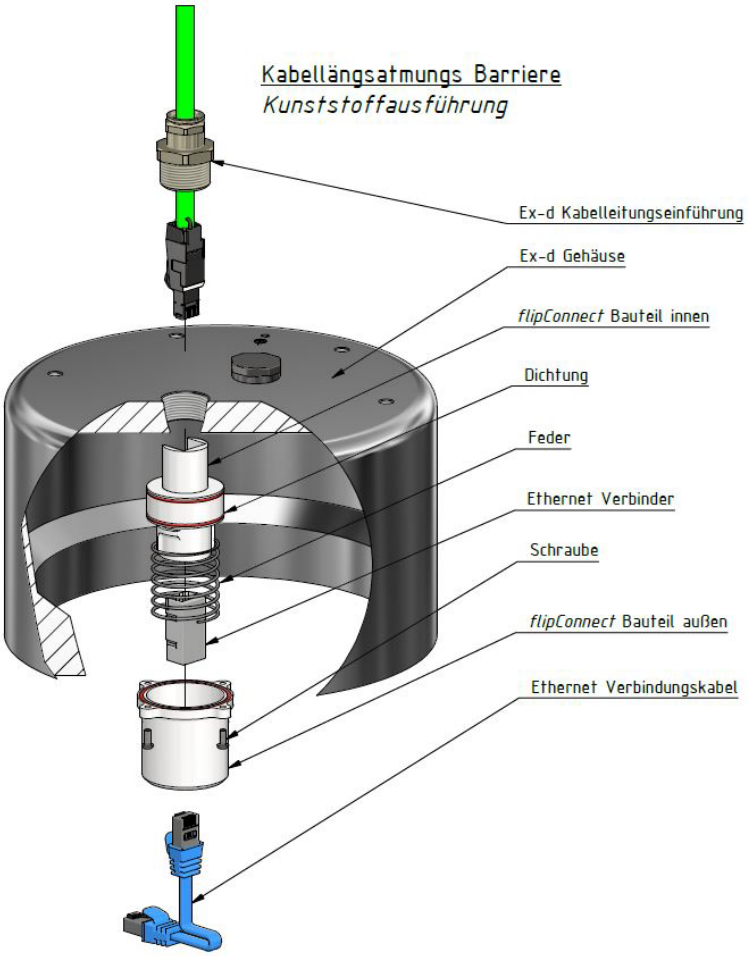


Figure 5-6 Sketch „flipConnect“

Furthermore, all cable - gland combinations recommended by the manufacturer for the device are listed below:

No.:	System cable:	KLE:
1	SKD02	Capri ADE-1F2 no.5
2	SKDP03-T	Capri ADE-1F2 no.6
3	SKD04-T.flex	Capri ADE-1F2 no.5
5	ASKD02-T	Capri ADE-4F no.6
6	ASKDP03-T	Capri ADE-4F no.7

5.3 Tests prior to switching on voltage

Attention!
Prior to commissioning, all tests as indicated by the national regulations have to be executed. Furthermore, the correct function and installation of the device has to be checked in accordance with this user manual and other applicable regulations.

Attention!
Incorrect installation and operation of the camera may lead to a loss of warranty!

Attention!
Do not switch on the camera at temperatures below 0°C!

6 Working inside the camera housing

Opening the T10-VA4.1K.PS1 housing is only intended by the customer to adjust the camera position, exchange the memory card or for hardware reset. If you think that the housing has to be opened for unforeseeable reasons, please contact our support team at first (Support@samcon.eu).

6.1 Opening and closing the housing

Always adhere to the rules:

- Remove or loosen the bolted connections of the camera housing flange and body.

- Use only appropriate tools and pay attention to the respective spring rings (DIN 127A).

- Caution: Avoid any contact of the screw thread with skin and/or clothes! The screw threads are covered with LOCTITE® 243™ (chemical basis is dimethacrylate ester). This is to prevent the bolted connection from unintentional loosening because of impacts and vibrations and for sealing purposes.

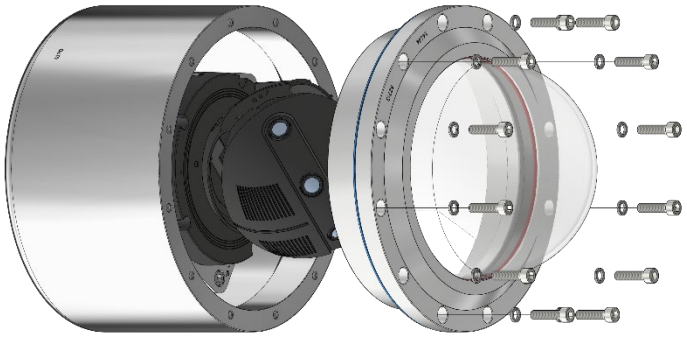


Figure 6-1 Opening the RoughCam T10-VA4.1K.PS1

- Carefully pull out the dome flange strictly vertically/perpendicularly (see Figure 6-1). There is a risk of side tilt! Because of negative pressure it may be difficult to remove.

- The circular cylindrical clearance fit H8f7or H8G7 (in accordance with ISO 286) of the camera body and flange must not be tilted! **Risk of damage to the flame-proof gap (DIN EN 60079-1)!**

- Caution: Avoid any contact of the screw thread with skin and clothes! There is oil lubricating paste applied.

- Attention: Use particular care when dealing with installed components (camera module, optics, temperature control, electronics, etc.) which are fixated above the mounting adapter on the cable and supply flange (cable gland). Risk of damage!

- Attention: When removing the flange, ensure that the Gylon flat gasket (Style 3504, blue) does not get damaged or dirty!

- After the completion of the work at the components which are installed inside the camera, immediately re-close the housing. Ensure that no foreign objects and particles are enclosed in the housing!

- For closing the housing, follow the instructions for opening the housing in reversed order. Please observe the following safety warnings:

Attention!
Insert the flange to reach the end position, in order to ensure ignition protection of the housing.

Attention!
If the bolted connections are tightened too strongly, it can cause damages to the device!

Attention!
Ensure that you do not damage the housing seals. Keep them clean.

Attention!
Ensure that no foreign objects are entrapped in the housing.

- Exclusively use undamaged and clean **original screws** included in the supply. The dismantled screw locks (spring washers DIN 127A) must be used again.

- The Gylon gasket must be used in undamaged condition, according to the flange hole pattern. The surface orientation is arbitrary.

- If, when closing the housing, you notice that the surface of the fitting gap is dirty or insufficiently lubricated, clean it with a clean cloth and suitable cleaning agent (e.g. concentrated isopropyl alcohol) and then grease it with lubricant which is suitable for this specific application.

- The **M6 screwed connections** of the **VA4.x** flange and body components must always be tightened *crosswise* with a torque of **9.0 Nm**!
  Do not tighten the screws too strongly! It can cause rupture of the cylinder head and thus lead to an impairment of the pressure resistance or ignition protection class of the camera housing.

6.2 Removing / inserting a SD memory card

The RoughCam IPQ3628 has a slot for a micro SDHC memory card (card not included). Saved video files can be played and deleted via the web interface. They are also available in a download list. Moreover, the videos available in the memory card can also be accessed via FTP server in the network.
If the memory card has to be replaced by the user, it should be, as far as possible, empty and pre-formatted with an ext4 or vFAT file system.

When touching electrical components, observe potential equalization (grounding of the body): carry electrostatic-discharge clothes, a PE wristband etc.!

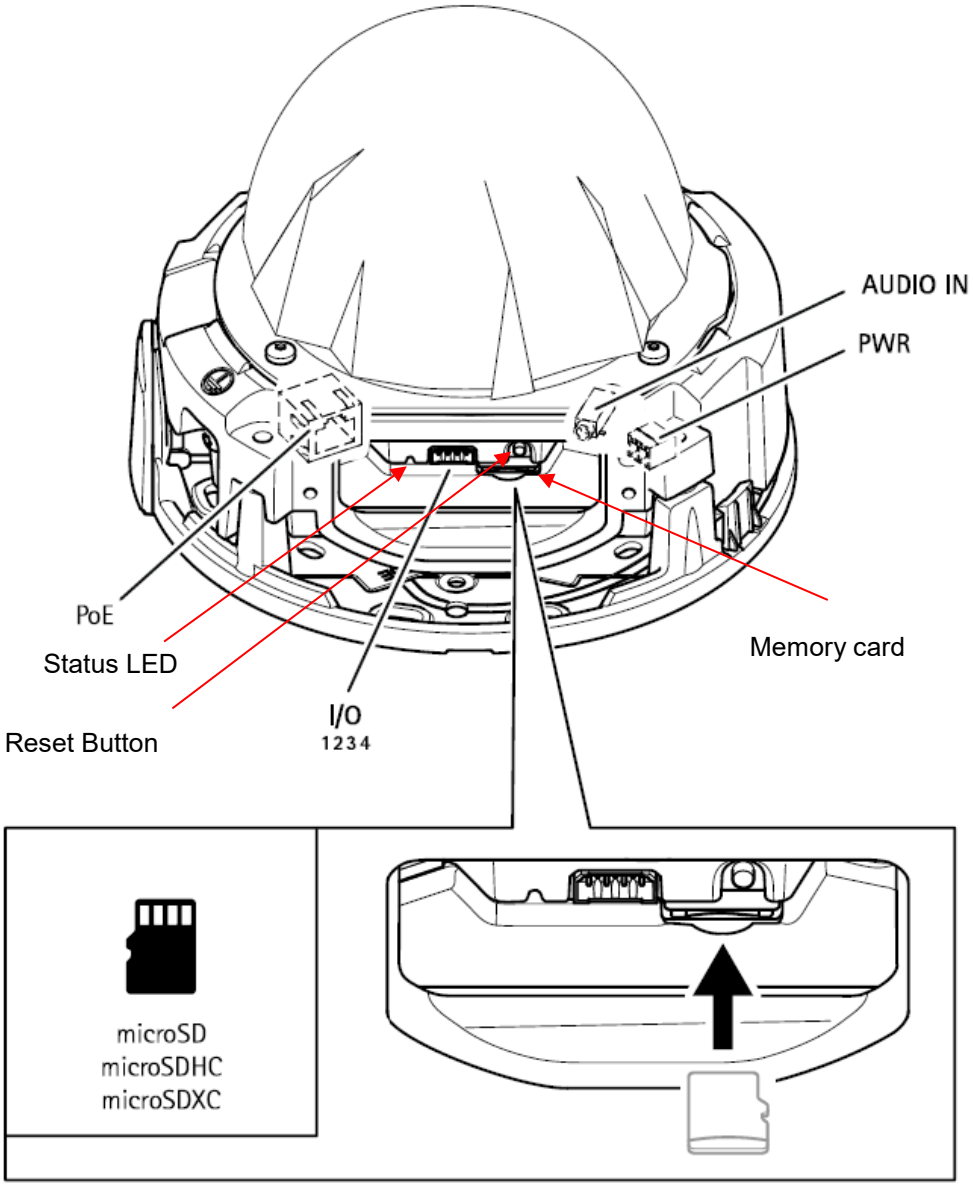


Figure 6-2 Reset Button / Memory Card

6.3 Hardware Reset

To set all the parameters of the RoughCam IPQ3628 (including the IP address) to default values, you should run a hardware reset.
The parameters can be reset via the web interface or manually. If the camera placed in the network can no longer be reached or its state is uncontrollable, the reset should be performed manually. To do so, proceed as follows:

1. Disconnect the camera installation module (Axis Q3628-VE) from the power supply.
2. Press and hold the control button (see the illustration below) and, at the same time, connect the system to the voltage supply (PoE).
3. Hold the control button pressed for about 30 seconds.
4. Release the control button. After about a minute, the AXIS Q3628-VE will return to factory defaults. If there is a DHCP server in the network, the IP address will be the following: 192.168.0.90 (subnet masking 255.255.255.0).
5. IP address and password can be redefined. If the hardware reset is not satisfactory or the network camera shows serious conflicts or does not work as usual (errors in the browser visualisation, frozen images, control commands no longer processed, slowing down of the system, etc.), it may be necessary to re-install the current firmware, or to install an update (see Chapter 7).

7 Network access and visualization

The most important procedures of the first starting up the camera are described below. The configuration menu of the web surface allows an intuitive navigation and offers several configuration possibilities. For detailed documentation and information how to use the web Interface, please see the User Manual for Axis or visit the following website:

https://help.axis.com/axis-q3628-ve

At delivery, the RoughCam IPQ3628 is set to the applicable net frequency (50Hz or 60Hz). If the camera is used at a location with a differing net frequency, a flickering of the picture might be noticeable, particularly in surroundings with fluorescent tubes. In such a case, the applicable settings have to be carried out within the menu “System Options > Advanced > Plain Config”.

User: root
Password: root

7.1 Browser Support

A list of the currently supported web browsers, operating systems, required add-ons, etc. can be viewed at:

https://help.axis.com/access-your-device
https://www.axis.com/support

7.2 Assigning the IP address

The RoughCam IPQ3628 is intended for use in an Ethernet network and requires an IP address to access and control it. In the most today’s networks, a DHCP server is integrated. This server automatically assigns an IP address.

If there is no DHCP server available in the network, the RoughCam IP’s default address is “**192.168.0.90” (subnet masking 255.255.255.0)**.
With the AXIS IP Utility, it is possible to determine the IP address under Windows.

https://www.axis.com/support/tools/axis-ip-utility

In case it is not possible to assign the IP address, it might be necessary to change the firewall settings!

The “AXIS IP Utility“ tool automatically recognizes all RoughCam devices and visualises them in the device list. It can also be used to manually assign a static IP address. For this purpose, the RoughCam IPQ3628 network camera has to be installed in the same physical network segment (physical subnet) as the computer on which the AXIS IP Utility is running. The network signature of RoughCam IPQ3628 is "AXIS Q3628-VE". MAC address and serial number for clear device identification are also detected and displayed.

7.3 Password/ Identification

The following user name is set at the factory: **root**
The following password is set at the factory: **root**

8 Cleaning the dome

It is best to clean the dome only with warm water. In any case, use a soft, damp cloth to avoid the risk of static electricity! The UV protective coating of the dome must not be damaged. Scratches must be avoided!

9 Maintenance / Modification

The required maintenance intervals are specific to the individual devices. The operating company has to determine these intervals depending on the application parameters. If maintenance measures are necessary they have to be initiated and/or executed.
Repairs may only be carried out with original parts of SAMCON Prozessleittechnik GmbH. In case of doubt, send the part in question back to SAMCON Prozessleittechnik GmbH. Rebuilding of or alterations to the devices are not permitted!

10 Disposal/ Recycling

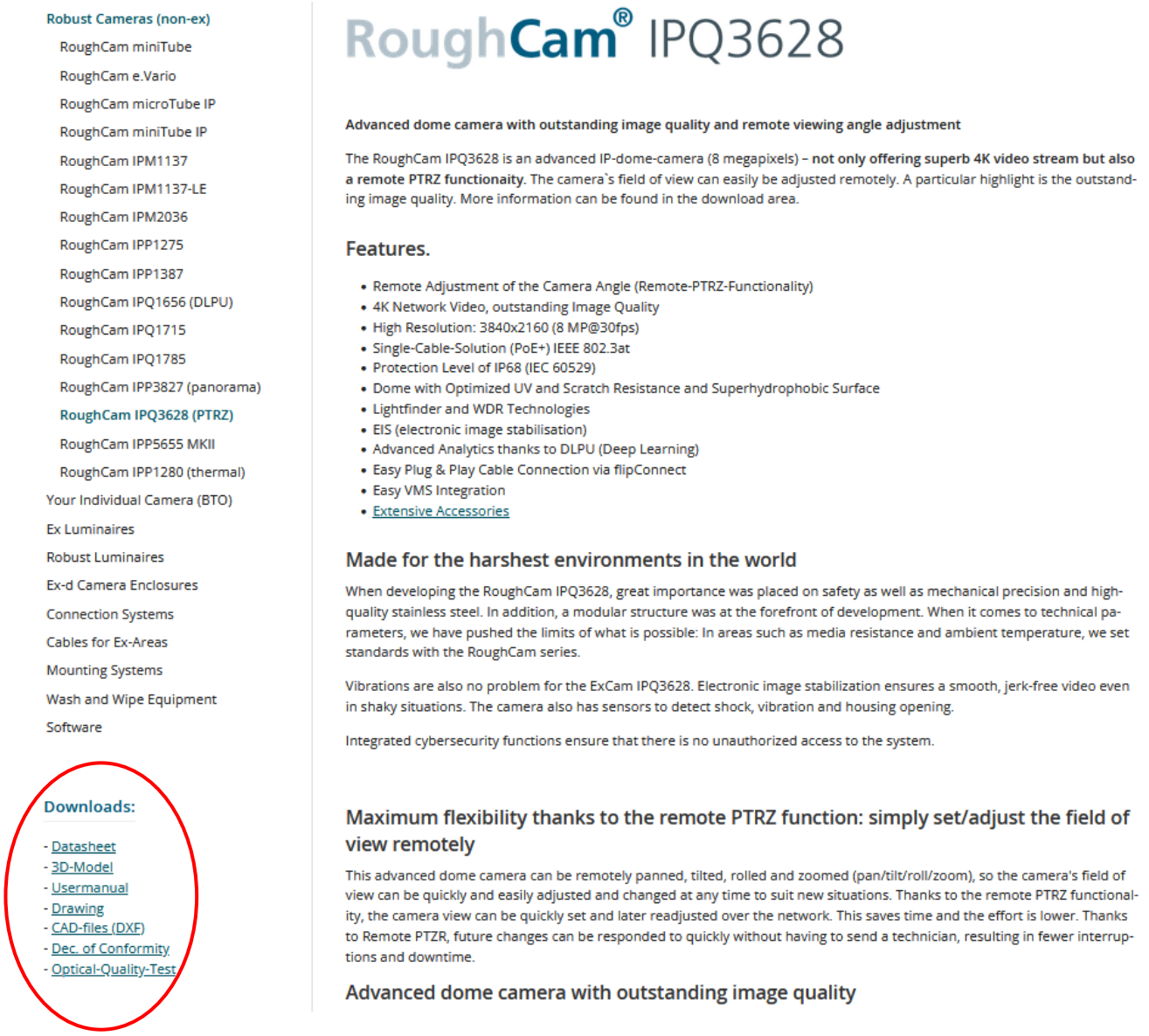
When disposing of the device, nationally applicable regulations must be observed.

This Document is subject to alterations and additions.

11 Drawings & 3D models

All drawings, 3D models and other information are available in the download area of the product page on our website:

https://www.samcon.eu/en/products/roughcam/roughcam-ipq3628/



Robust Cameras (non-ex)
- RoughCam miniTube
- RoughCam e.Vario
- RoughCam microTube IP
- RoughCam miniTube IP
- RoughCam IPM1137
- RoughCam IPM1137-LE
- RoughCam IPM2036
- RoughCam IPP1275
- RoughCam IPP1387
- RoughCam IPQ1656 (DLPU)
- RoughCam IPQ1715
- RoughCam IPQ1785
- RoughCam IPP3827 (panorama)
- **RoughCam IPQ3628 (PTRZ)**
- RoughCam IPP5655 MKII
- RoughCam IPP1280 (thermal)

Your Individual Camera (BTO)
Ex Luminaires
Robust Luminaires
Ex-d Camera Enclosures
Connection Systems
Cables for Ex-Areas
Mounting Systems
Wash and Wipe Equipment
Software

Downloads:
- Datasheet
- 3D-Model
- Usermanual
- Drawing
- CAD-files (DXF)
- Dec. of Conformity
- Optical-Quality-Test

RoughCam® IPQ3628

Advanced dome camera with outstanding image quality and remote viewing angle adjustment

The RoughCam IPQ3628 is an advanced IP-dome-camera (8 megapixels) – **not only offering superb 4K video stream but also a remote PTRZ functionaity**. The camera`s field of view can easily be adjusted remotely. A particular highlight is the outstanding image quality. More information can be found in the download area.

Features.

- Remote Adjustment of the Camera Angle (Remote-PTRZ-Functionality)
- 4K Network Video, outstanding Image Quality
- High Resolution: 3840x2160 (8 MP@30fps)
- Single-Cable-Solution (PoE+) IEEE 802.3at
- Protection Level of IP68 (IEC 60529)
- Dome with Optimized UV and Scratch Resistance and Superhydrophobic Surface
- Lightfinder and WDR Technologies
- EIS (electronic image stabilisation)
- Advanced Analytics thanks to DLPU (Deep Learning)
- Easy Plug & Play Cable Connection via flipConnect
- Easy VMS Integration
- Extensive Accessories

Made for the harshest environments in the world

When developing the RoughCam IPQ3628, great importance was placed on safety as well as mechanical precision and high-quality stainless steel. In addition, a modular structure was at the forefront of development. When it comes to technical parameters, we have pushed the limits of what is possible: In areas such as media resistance and ambient temperature, we set standards with the RoughCam series.

Vibrations are also no problem for the ExCam IPQ3628. Electronic image stabilization ensures a smooth, jerk-free video even in shaky situations. The camera also has sensors to detect shock, vibration and housing opening.

Integrated cybersecurity functions ensure that there is no unauthorized access to the system.

Maximum flexibility thanks to the remote PTRZ function: simply set/adjust the field of view remotely

This advanced dome camera can be remotely panned, tilted, rolled and zoomed (pan/tilt/roll/zoom), so the camera's field of view can be quickly and easily adjusted and changed at any time to suit new situations. Thanks to the remote PTRZ functionality, the camera view can be quickly set and later readjusted over the network. This saves time and the effort is lower. Thanks to Remote PTZR, future changes can be responded to quickly without having to send a technician, resulting in fewer interruptions and downtime.

Advanced dome camera with outstanding image quality

If you wish additional technical information, please contact us at:
support@samcon.eu

SAMCON

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