

Monitor Your Process!

IS3 Industrial Surveillance Camera with
Interchangeable Optics and Standard Cables



See What's Happening Live, in Full HD, and from Multiple Cameras



The camera's Ethernet interface transmits the video data and supplies the camera via PoE.

IS3 for Visual Process Monitoring

The IS3 system is the optimal solution to keep an eye on your production processes or company premises. The system consists of any number of IS3 cameras, which are connected to the Ethernet network. Depending on your system configuration and bandwidth, you can watch several video streams simultaneously.

Interchangeable C/CS/S-Mount Lenses

Optics plays a crucial role in image quality. The IS3 camera is therefore available with an S-mount or a C/CS-mount, so you can choose the optimal optics to suit your application.

Standard Ethernet Cable up to 100 m

Connect the IS3 camera to the network using any standard or cable chain certified Ethernet cable of up to 100 m in length. The cable transmits the video data and supplies the camera via Power over Ethernet (PoE).

Small Camera, High-Resolution Streaming

With its compact profile, the IS3 camera fits into the smallest spaces. It delivers a high definition MJPEG color video via real-time transport protocol (RTP). The video may be embedded into SCADA systems or used in many other applications.

Uncomplicated Commissioning

The PoE power supply via standard Ethernet cable offers you the greatest possible flexibility and enables an easy installation in the field. Due to its uncomplicated setup, the system is up and running in 10 minutes.



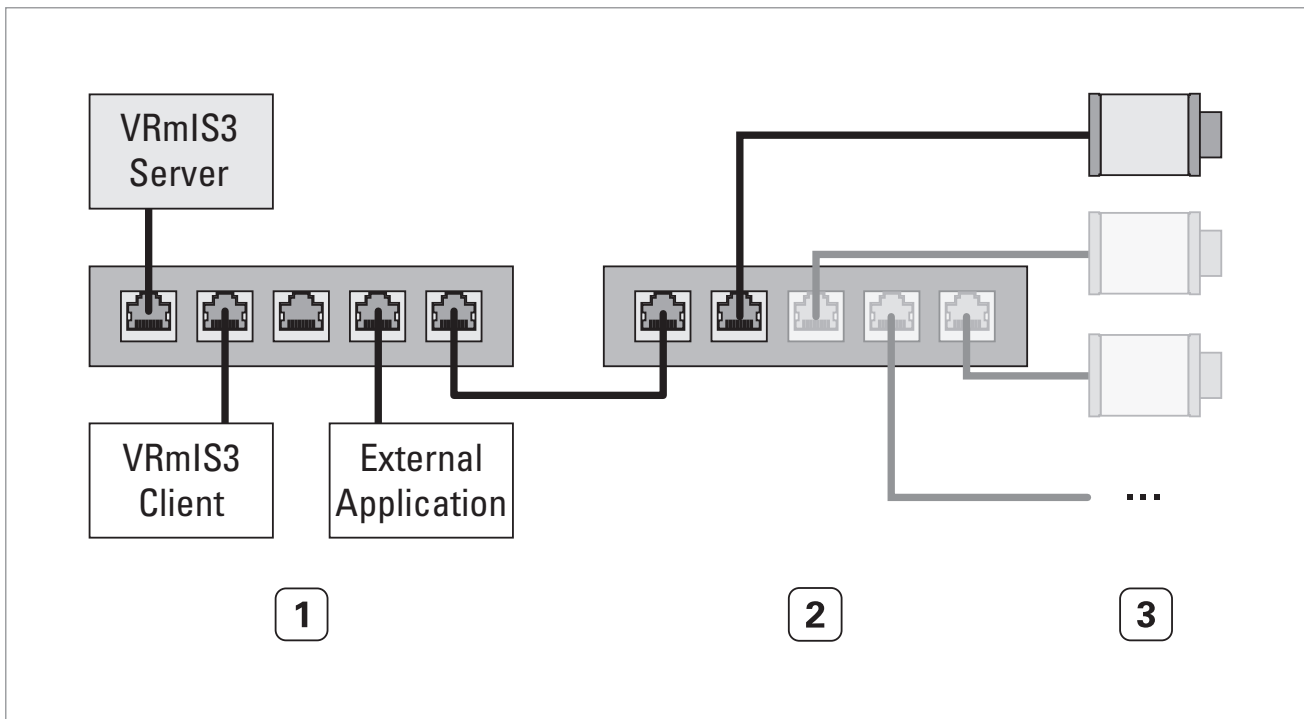
⤴ The IS3 IP Camera has a rigid aluminum body with a small profile of only 29x29 mm.

Industrial Surveillance with the IS3 System

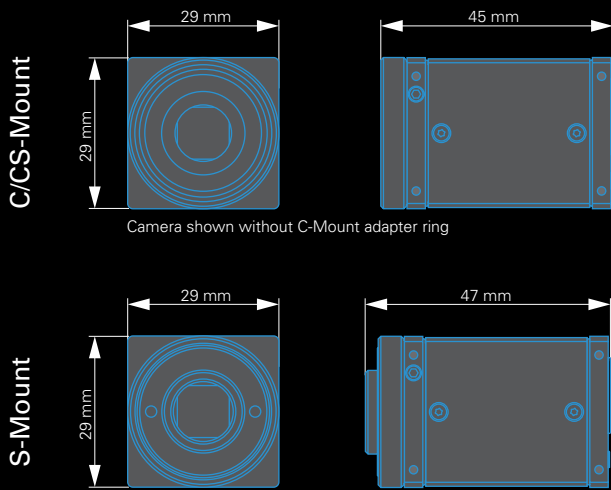
System Setup with One or Several IS3 Cameras

The IS3 system consists of at least one IS3 camera and the IS3 server application, which must be installed on a PC within the network. The server application automatically connects to all IS3 cameras in the network and manages the communication and video transmission between the

cameras and external applications. To view the video streams provided by the IS3 cameras from any PC in the network, and to test the camera settings, you can use the IS3 Client application. Client and server application may be installed on the same PC.



- 1 Factory network with VRmIS3 server PC and VRmIS3 client PC(s)
- 2 PoE injector or PoE switch
- 3 IS3 camera(s)



Product Highlights

- Full HD video streaming in MJPEG format with 30 fps and adjustable bandwidth
- Usage of standard or cable-chain-certified shielded CAT5 Ethernet cable of up to 100 m length
- Compatible with C/CS-Mount or S-Mount lenses
- Connection of any number of IS3 cameras and transmission of several video streams simultaneously
- Camera power supply via PoE
- Small camera housing with 29x29 mm profile
- Comfortable camera configuration with the IS3 Client application

Technical Data

VRmIS3 Camera

Interfaces	
RJ45	100 Mbit Ethernet PoE, IEEE 802.3af, power consumption 1.7 W
Physical Characteristics	
Dimensions	CS/C-Mount variant* 29x29x45 mm/29x29x50 mm S-Mount variant 29x29x47 mm
Housing	Aluminum
Operating temperature	-20...60°C
Storage temperature	-30...80°C

*CS-Mount with C-Mount adapter ring

Image Sensor	
Sensor/shutter type	CMOS/rolling shutter
Chromaticity	color
Sensor size	1/2.7"
Resolution	1920x1080 px
Pixel size	3x3 µm
Frame rate	30 Hz

Video Streaming	
Video formats	MJPEG
Transport protocol	Unicast RTSP

VRmIS3 Server and Client Application

VRmIS3 Server Application	
Features	Windows service with RTSP server; manages communication between cameras and external applications
Hardware recommendation	1 Gbit Ethernet interface, Dual-core CPU
Software requirements	Windows Vista SP2 or newer

VRmIS3 Client Application	
Features	Provides overview of all VRmIS3 cameras in the network; configuration of camera settings; access to camera video streams
Software requirements	Windows Vista SP2 or newer, VLC media player (required to view camera video stream)

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