

# ARGUS 4

**Thermal imaging camera designed for fire services**

- small, light weight, simple to operate
- digital image capture (100 images)
- 13 different color settings

 **rosenbauer**

# ARGUS 4

## Small, light weight, simple-to-operate



### small

- light weight  
(only 1,7 kg incl. batteries)
- ergonomic

### robust

- designed to operate in hot conditions
- according to IP 67

### simple-to-operate

- even when wearing fire fighting gloves
- fully automatic operation



### Thermal Imaging Camera designed for fire and rescue services

Every object and person emanates heat, which the thermal imaging camera ARGUS 4 converts into a visual.

The user of the ARGUS 4 will be able to:

- see through dense smoke and in darkness
- locate the seat and spread of the fire
- move swiftly in search and rescue of casualties
- have the ability to see in zero visibility conditions
- significantly improve safety and mobility

### Fully automatic operation:

The fully automatic operation of the ARGUS 4 helps you to do your work with more concentration! It recalibrates automatically when necessary to maintain its performance and quality. And the ARGUS 4 will switch to the optimum level of sensitivity automatically.



**Battery**  
battery change possible in seconds

**LCD**  
large, full-color LCD: 3,5"

**Zoom**  
2 x and 4 x digital

**On/Off Button**  
long press to switch camera off

**Side Straps**  
made of NOMEX®, flame resistance

**Image capture**  
up to 100 images

### Mature technology for simple operation:

The completely new and ergonomically designed ARGUS 4 is equipped with only three operating buttons. These are all located directly below the display on the front of the camera. The buttons are logically labeled with symbols and are big enough to allow problem-free operation when wearing fire-fighting gloves.

### Image capture

- Up to 100 pictures can be captured and stored in the ARGUS 4. To capture an image, just press the left-hand button. The camera saves important information to every image such as:
  - Date and time
  - Ambient temperature
  - Spot temperature

Therefore these images can be perfectly used for the purpose of introduction or for the gapless documentation of an operation. The images can be viewed or deleted using the remote control. Using the software provided, captured images can be downloaded to a suitable laptop / PC in several formats, like:

- .jpg
- .bmp



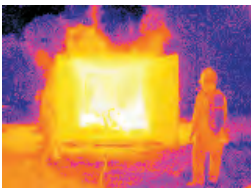
The ARGUS 4 is very lightweight and easy to hold with one or two hands.



The handle provided can be easily fixed at the bottom of the camera.



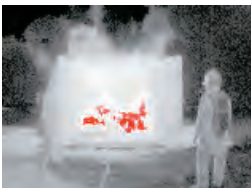
The neck strap made of Nomex can be fitted on the front side of the camera.



Full Color 2



Green Scale



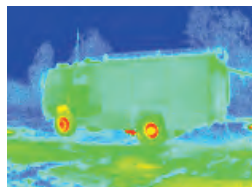
Heat finder red



Heat finder soft red



Heat MArker soft red



Half Color

### Dynamic Scene Colorization

Colorizes the thermal image to allow the fire fighter to pinpoint the hottest areas within the fire scene. The thermal image can be viewed in 13 different color settings:

- Heat finder“-settings: red or yellow to red colorization of the hottest parts of the scene.
- „Heat marker“-settings: red colorization of parts of the scene above 150°C
- “Full color“-settings: especially suitable for checking switchgear cubicles and building insulations

### Robustness

The thermal imaging camera ARGUS 4 is designed for the hardest conditions in fire and rescue services:

- Impact: 4 x drop from a height of 2 meters
- Sealing: accord. EN 60529, class IP 67
- Vibration / Shock: BS EN 60721-3-2, Class 2M3

### Temperature measurement:

The thermal imaging camera ARGUS 4 measures the ambient temperature from -15°C to +150°C. The spot temperature allows the operator to view the average scene temperature within a defined area in the middle of the display.

- Ambient temperature measurement: -15°C to +150°C
- Spot temperature measurement: -40°C to +800°C or +1.000°C



### Power supply

The ARGUS 4 camera is supplied with two rechargeable battery packs. The rechargeable packs are designed to power an ARGUS 4 for 4 hours from a full charge and use Nickel Metal Hydride (Ni-MH) cells.

The change of the batteries is possible in seconds even with gloves on and in zero visibility.

### Standard Accessories

- Thermal imaging camera ARGUS 4 incl. image storage, color-settings and zoom
- 2 side straps,
- 1 handle,
- 1 neck strap
- 2 rechargeable battery packs
- Battery charger
- Remote control
- End-user software
- USB connection lead for PC/laptop
- User Manual
- Soft carry case

**Technical data**

Data	ARGUS4-320 STANDARD	ARGUS4-HR320 PROFESSIONAL
Order Number	41133184	41133186
Dimensions (WxHxD)	without / with handle 130 x 185 x 185 mm / 295 x 185 x 185 mm	
Weight incl. batteries	without / with handle 1,3 kg / 1,5 kg	
Integral battery pack	2.300 mAh, Ni-MH (rechargeable)	
Battery life	> 4 hours typical continuous operation	
Short-term immersion in water	acc. to EN 60529, class IP 67	
Vibration	BS EN 60721-3-2, class 2M3	
Impact	will withstand a drop of 2 m	
Storage temperature	-10°C to +40°C	
Display	90 mm (3,5") full colour LCD	
Colorizing	13 different colorized settings	
Sensitivity	3 levels of sensitivity (fully automatic)	
Zoom	2fach Zoom (digital)	
Image capture	up to 100 pictures can be captured and stored in the camera	
Sensor type / material	uncooled micro bolometer / aSi (amorphous silicon)	
Lens	Germanium	
Resolution	320 x 240 pixel	
Spectral response	8 to 14 µm	
MDTD	> 0,1°C	> 0,05°C
Ambient temperature	measurement -15°C to +150°C	
Spot temperature	measurement -40°C to +800°C	measurement -40°C to +1000°C
Computer connection	via RS232-lead (supplied) with USB-connection	

**Tri-Mode Sensitivity**

The ARGUS 4 has three levels of sensitivity. These levels provide the user with a thermal image over the widest possible temperature range. The ARGUS 4 will switch to the optimum level of sensitivity automatically.

**Remote control**

- Some of the ARGUS 4 features can be adjusted and set up via remote control: LCD brightness adjustment, date and time, text color and so on.
- Pictures can be viewed or deleted using the remote control.



### COFDM radio transmission

The thermal image of the ARGUS 4 can be transmitted from the camera for remote viewing.

By using digital modulation and compression techniques, digital microwaves provides superior performance in non-line of sight and high multipath applications.

The transmitter pack is used instead of the standard battery and powers the camera for 2 hours.

The receiver comes in a compact hard case with 2 integrated antennas, one 8,4" LED screen and AC, DC and internal battery operation.



# ARGUS 4

## Thermal Imaging Camera



### Order data

41133180	<b>Thermal Imaging Camera ARGUS 4-320 STANDARD</b>	Pixel count: 320 x 240, Zoom: 2x, Frequency: 30 Hz
41133181	<b>Thermal Imaging Camera ARGUS 4-9Hz</b>	Pixel count: 320 x 240, Zoom: 2x, Frequency: 9 Hz
41133181	<b>Thermal Imaging Camera ARGUS 4-HR320 PROFESSIONAL</b>	Pixel count: 320 x 240, Zoom: 2x and 4x, Frequency: 30 Hz

### Accessories ARGUS 4

411331902	<b>Truck battery charger system</b>	Allows recharging the battery packs. Input Voltage: 12 / 24 V vehicle supplies.
411331901	<b>Truck storage mount</b>	To provide secure storage with instant access for the ARGUS 4
41133208	<b>Integrated charger truck mount</b>	Integrated battery charger truck mount, battery can stay in camera during charging
41133189	<b>Video adaptor</b>	Allows the 1:1 transmission of the image over a wired network connection and allows the camera to be powered from an outside source
41133209	<b>Video capture battery pack</b>	Records up to 8 hours of video
41133195	<b>Transmitter radio transmission</b>	Allows the transmission of the thermal image through radio
41133197	<b>Receiver kit for radio transmission</b>	Consists of receiver and PC-software
41133196	<b>Receiver station for radio transmission</b>	Consists of mobile PC with pre-loaded software and receiver
41133210	<b>COFDM transmitter battery pack and compact receiver station</b>	Superior performance in non-line of sight and high multipath applications
41133199	<b>Retractable lanyard</b>	Allows fixing the camera on the protection turnout suit (via karabiner)

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