





## Inspection and locating



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ROSCOPE MINI		ROCAM MINI HD			
	ROSCOPE MINI	ROCAM MINI HD	Module 25/22 HD	Module ROLOC PLUS HD	
					
Application	Hollow spaces	Application	Hollow spaces	Residential	Locating of sondes
Pipe diameter	○	25 mm camera head	○	Ø 40-100 mm	○
Display size	2.5"	30 mm camera head	○	○	○
Touchscreen	○	40 mm camera head	○	○	○
Cable length	1.2 m	Display size	7"	7"	7"
Cable diameter	5.5 mm	Touchscreen	●	●	●
Camera head	Ø 8.5 mm	Cable length	1 m	22 m	○
Self levelling	180° digital rotatable	Metre counter	○	○	○
Transmitter	○	Cable diameter	7 mm	7 mm	○
Frequency	○	Self levelling	●	●	○
Picture format	JPG	Transmitter	○	●	○
Picture resolution	320 × 240 px	Frequency	○	512 Hz	512 Hz, 640 Hz, 33 kHz
Video format	○	Picture format	JPG	JPG	○
Video resolution	○	Picture resolution	1,920 × 1,080 px	1,920 × 1,080 px	○
Storage	Built-in memory	Video format	AVI	AVI	○
Wi-Fi transmitter	○	Video resolution	1,920 × 1,080 px	1,920 × 1,080 px	○
Protocol feature	○	Storage	SD card	SD card	○
Audio recording	○	Wi-Fi transmitter	●	●	○
Data handling	○	Protocol feature	●	●	○
		Audio recording	via headphones	via headphones	○
		Data handling	via app	via app	via app
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**ROCAM 4 PLUS**

**ROCAM 4 PLUS 30 m**

**ROCAM 4 PLUS 65 m**

**Mini module**



Application	Municipal	Municipal	Residential
25 mm camera head	○	○	Ø 40–100 mm
30 mm camera head	Ø 70–150 mm	Ø 70–150 mm	○
40 mm camera head	Ø 100–300 mm	Ø 100–300 mm	○
Display size	10.4"	10.4"	10.4"
Touchscreen	●	●	●
Cable length	30 m	65 m	16 m
Metre counter	●	●	●
Cable diameter	7 mm	7 mm	5.5 mm
Self levelling	●	●	○
Transmitter	●	●	○
Frequency	33 kHz	33 kHz	○
Picture format	JPG	JPG	JPG
Picture resolution	720 × 600 px	720 × 600 px	720 × 600 px
Video format	AVI	AVI	AVI
Video resolution	720 × 600 px	720 × 600 px	720 × 600 px
Storage	SD card	SD card	SD card
Wi-Fi transmitter	●	●	●
Protocol feature	●	●	●
Audio recording	●	●	●
Data handling	via app	via app	via app
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**ROSCOPE MINI**

A constant companion—by having an extremely compact design, it can be stowed tidily into every tool case. Minor works, like the inspection of hollow spaces are not a challenge anymore. The combination of its robust construction with modern technology makes it a tool for every toolbox



**Application Benefits**

- Intuitive handling with the first touch
- The Ø8.5 mm camera head and the 120 cm camera cable are perfect for minor works and are maximizing the pace of work
- Electronical 180° rotation for the perfect perspective in every situation
- Waterproofed camera head
- Tool less mounting of accessories like the magnet or 90° mirror

**Technical Data**

Dimensions	152 × 90 × 40 mm
Resolution	320 × 240 px
Display size	2.5"
Cable length	1.2 m
Cable diameter	5.5 mm
Cable head	Ø8.5 mm
Leveling	180° digital rotatable
Storage	30 pictures

**Adjustable illumination**

7 light levels for best lighting conditions

**180° rotatable picture**

Fast and precise analysis on a 2.5" display with triple zoom

**Intuitive handling**

Self-explanatory service in live and review mode

Quick inspection of hollow spaces before and after installations



Always ready to hand, due to handy belt clip



**Ø8.5 mm waterproof camera head**

Perfect working conditions in small diameters

**1.2 m camera cable**

For quick and easy inspection

**Included belt clip**

Comfortable wear



**Space-saving storage**

can be easily wound up around

**Accessories included**

Integrated magnet for catching metal pieces and mirror for the perfect view in a 90° bow



Magnet-accessory



Mirror-accessory

Set (No. 1000002268) includes: ROSCOPE MINI basic unit, mirror and magnet accessories, 4 × AA batteries, ROBOX B2350 (No. 1500002641)

Model	Weight	PU	No.
ROSCOPE MINI set	0.530 kg	1	1000002268

## ROTHENBERGER apps

Apps for smartphone and tablet to edit and send recorded image data



### Application Benefits

- Wi-Fi transmitter allows a image transfer live from the camera to mobile devices
- Integrated editing function to mark and name specific pipeline damages
- Synchronizing of stored images of the camera to allow further processing
- Sending of edited pictures directly from the place of action
- Automatic generation of a damage report in PDF, which is individually customizable

### Technical Data

#### ROSCOPE i2000

Compatibility iOS 5.1–13.0, Android 4.0 or newer

Size 4.1 MB

#### ROCAM 4

Compatibility iOS 8.1 or newer, Android 4.0 or newer

Size 12 MB

#### ROTHENBERGER app

Compatibility iOS 8.1 or newer, Android 4.0 or newer

Size 73.3 MB

### Live image



### Editing display



### Album



Album

Picture and video recording

Settings/ notes

Editing

- Color palette
- Pen and rubber
- Text
- Rectangle, circle, arrow

Available for iOS (until version 13.0) and Android!

The ROCAM 4 PLUS and ROSCOPE i2000 apps will be integrated into the ROTHENBERGER app in 2023.

Transfer to mobile device



Sending of edited pictures directly from the place of action



**ROCAM MINI HD module 25/22 HD**

**Cordless inspection camera**

In residential area for pipes from Ø40–110 mm



**Application Benefits**

- Full-HD and TrueColor for fast and accurate analysis
- 22 m cable for more independence
- Optimized cable stiffness and head geometry to pass up to six 90° bends (50 mm tubes) / three 90° bends (40 mm tubes)
- Integrated Bluetooth® module for connecting headphones to add voice recording
- Wi-Fi module for perfect connection between smartphone and ROCAM MINI HD. With the help of the app, the entire gallery of the ROCAM MINI HD can be accessed and shared directly.
- Livestream function via app to share the screen with the customer for a professional appearance

**Technical Data**

Battery voltage	18 V
Application range	Ø40–110 mm
Picture and video resolution	1,920 × 1,080 px
Cable diameter	7 mm
Camera head	Ø25 mm
Storage type	SD card 32 GB
Locator transmitter	512 Hz
Waterproof	10 m
Display	Touchscreen 7"

**7" Full-HD Touchscreen**

For intuitive operation and direct documentation with damage catalog directly on the device

**Waterproof housing**

Enables working on roofs—even in the rain

**Compact Ø25 mm head**

Covers an application range from Ø40–110mm

**512 Hz sensor**

Can be tracked with the ROLOC PLUS HD

**App functionality**

Full functions for live streaming and easy data sharing via iOS and Android

**Multiple battery systems**

Suitable for AMPShare or CAS battery systems

**22 m reel**

For inspecting pipelines of multi story family houses



The additional internal battery bridges the time without power supply and enables continuous operation

Livestream transmission to a mobile device for a professional appearance at the customer



**Available in the manufacturer-independent battery systems AMPShare - Powered by Bosch or CAS - CORDLESS ALLIANCE SYSTEM**

Set (No. 100003922) includes: ROCAM MINI HD display, module 25/22 HD, module TEC, guidance ball, RO BP18/2, 2.0Ah 18V battery, RO BC14/36 charger, RO CASE 6427 with thermoformed insert

Model	Weight	PU	AMPShare-No.	CAS-No.
Module 25/22 reel	5.000 kg	1	1000004125	1000003920
ROCAM MINI HD, display incl. module TEC	3.800 kg	1	1000004126	1000003921
ROCAM MINI HD, module 25/22 HD, set EU	9.000 kg	1	1000004127	1000003922
ROCAM MINI HD, module 25/22 HD, set UK	9.000 kg	1	1000004128	1000003965
ROCAM MINI HD, module 25/22 HD, baretool	8.600 kg	1	1000004131	1000003960

## ROCAM MINI HD module ROLOC PLUS HD

### Probe locator for locating the camera head of the ROCAM MINI HD module 25/22 HD

The ROLOC PLUS module is suitable for precise locating of the camera head of the ROCAM MINI HD module 25/22 HD as well as the camera heads Ø 30 mm and Ø 40 mm of the ROCAM 4 PLUS. Other locating sensors with compatible frequency can also be located.

#### Application Benefits

- Pinpoint localization of probes
- Exact depth measurement
- Different frequencies selectable
- Optimized menu design guides step by step through the locating process
- Telescope function for convenient transport in the case

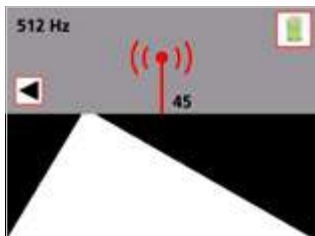
#### Technical Data

Functional range	Vertical 0.6–1.8 m Horizontal 0–4.5 m
Frequencies	512 Hz, 640 Hz, 50/60 Hz passive, 33 KHz active/passive
Depth measurement	1.5 m

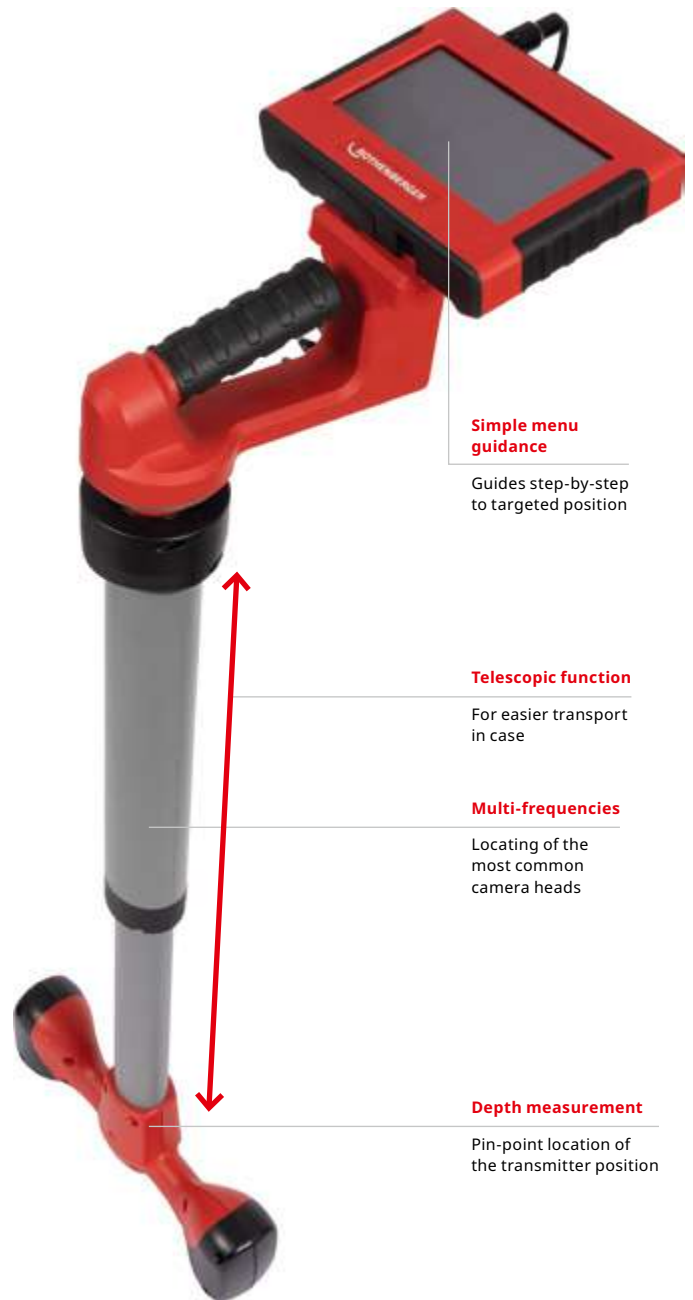
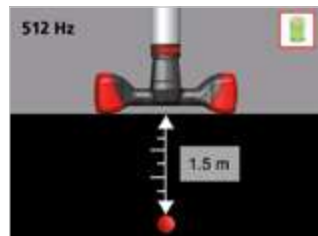
With the help of the ROLOC PLUS HD module the locating transmitter can be quickly and easily found



Target is left of the running direction. Correction of your direction to the left is necessary.



Depth measurement with a push of the button



#### Simple menu guidance

Guides step-by-step to targeted position

#### Telescopic function

For easier transport in case

#### Multi-frequencies

Locating of the most common camera heads

#### Depth measurement

Pin-point location of the transmitter position

Available in the manufacturer-independent battery systems AMPShare - Powered by Bosch or CAS - CORDLESS ALLIANCE SYSTEM

#### Model

Model	Weight	PU	AMPShare-No.	CAS-No.
ROCAM MINI HD, module ROLOC PLUS HD, set EU	8.900 kg	1	1000004133	1000003963
ROCAM MINI HD, module ROLOC PLUS HD, baretool	7.900 kg	1	1000004137	1000003964
ROLOC PLUS HD	4.500 kg	1	1000004132	1000003962

**ROCAM 4 PLUS 30 meter**

Inspection camera for pipes from Ø 40–300 mm with 30 or 65 m cable length, with integrated software for documentation and large removable 10.4" touchscreen.



**Application Benefits**

- Picture editing, change of camera settings and menu guidance via the 10.4" color-touchscreen
- Direct recording of pictures (JPG) or video (AVI, resolution 720 x 600 px) as well as editing options (e.g. documentation of damage)
- Fast data recording with integrated keyboard to mark, highlight and name damages
- Picture and video transmission via Wi-Fi, Micro-HDMI, Mini-USB, SD card
- Livestream of picture and data via Wi-Fi to the ROCAM 4 app
- Self-levelling and exchangeable camera heads
- Exchangeable reels for various working ranges
- New platform based battery technology

Please note: This machine cannot be upgraded to a 65 m cable.

**Technical Data**

Picture and video format	JPG / AVI (resolution 720 x 600 px)
Camera head	Ø 25 mm, waterproof with 8 LEDs
	Ø 30 mm, self-levelling and waterproof with 10 LEDs
	Ø 40 mm, self-levelling and waterproof with 36 LEDs
Working range	Ø 40–100 mm (mini module)
	Ø 70–150 mm (30 mm camera head)
	Ø 100–300 mm (40 mm camera head)
Cable length	65 m version
	30 m version
	16 m mini module (optional)
Cable diameter	7 mm (30 m and 65 m reel)
	5.5 mm (mini module)
Transmitter frequency	33 kHz
Power supply	Li-Ion battery 18 V / 4 Ah
	Main adaptor 110–230 V, 50–60 Hz (optional)

**Wi-Fi transmitter**

Simple data transmission to mobile device

**Removable display unit with 10.4" color-touchscreen**

Full functionality, even in confined spaces

**Integrated speakers**

Direct audio replay

**Li-Ion battery 18 V / 4.0 Ah (same as ROMAX 4000)**

Long battery operation time (up to 6 hours)

**Digital metre count**

Precise determination of distance to camera head

**Integrated microphone**

Voice recording for documentation possible

**Exchangeable reel system 65 m / 30 m / 16 m**

Large operating range from Ø 40–300 mm pipe diameter



Cover protected connections for SD card, Micro-HDMI and Mini-USB



Locating with ROSCOPE module ROLOC PLUS



Set (No. 1500002613) includes: ROCAM 4 PLUS, 30 m cable, Ø 30 mm camera head, guidance ball, accessory bag including location transmitter, USB-cable, pencil, RO BP18/4, 4.0 Ah 18V battery, RO BC14/36 charger, RO CASE 4414

Model	Weight	PU	No.
ROCAM 4 PLUS 30 m cable, 30 mm camera head, EU	18.500 kg	1	1500002613
ROCAM 4 PLUS 30 m cable, 40 mm camera head, EU	18.500 kg	1	1500002614
ROCAM 4 PLUS 30 m cable, 40 mm camera head, mini module	19.500 kg	1	1000001938



## ROCAM 4 PLUS 65 meter

Inspection camera for pipes from Ø 40–300 mm with 65 m cable length, with integrated software for documentation and large removable 10.4" touchscreen



### Modular reel system

Upgrade your ROCAM 4 PLUS from 30 m to 65 m at a later date



### Transport trolley with extendible handle

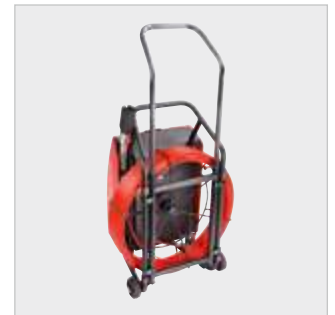
Comfortable transport over long distance

Set (No. 1500002615) includes: ROCAM 4 PLUS, 65 m cable, Ø 30 mm camera head, guidance ball, accessory bag including location transmitter, USB-cable, pencil, RO BP18/4, 4.0 Ah 18 V battery, RO BC14/36 charger, RO CASE 4414

Part of the CAS battery platform



Transport trolley with extendible handle



Model	Weight	PU	No.
ROCAM 4 PLUS 65 m cable, 30 mm camera head, EU	23.500 kg	1	1500002615
ROCAM 4 PLUS 65 m cable, 40 mm camera head, EU	23.500 kg	1	1500002616
ROCAM 4 PLUS 65 m cable, 40 mm camera head, mini module	24.500 kg	1	1000002481

## Extension modules

Easy extension of the working range from Ø 40–300 mm by quick change of the reel

### Application Benefits

- Professional inspection of small pipe diameters
- Easy handling due to Exchange reel system
- Subsequent extension of the range to 65 m possible

### Technical Data

Working area	Ø 40–100 mm
Camera head	Ø 25 mm
Cable diameter	5.5 mm

Model	Weight	PU	No.
Mini module, 16 m cable	1.314 kg	1	1500003296
Reel basket 65 m for ROCAM 4 PLUS	6.850 kg	1	1500002892



**ROCAM camera heads**

Camera heads made of high-quality materials for professional inspection of pipes from Ø 70–300 mm



**Application Benefits**

**Excellent brightness**

- The ROCAM camera head Ø 30 mm has over 10 ultra bright LED lights, that effortlessly illuminate pipes up to Ø 150 mm
- The camera head can be mounted with a Ø 40 mm camera head for larger pipe diameters

**Pressure tight screw slip-ring connection**

- Pressure tight connection (3 bar) between camera head and push cable
- High resistance to shock and impact
- Quick and toolless exchange of the camera heads
- No burden from electrical connections

**High flexibility and resistant**

- Flexible spring provides 90° curveability in pipes up to Ø 70 mm when enough stability is provided
- Pressure tight up to 3 bar with the stainless steel casing
- Scratch and impact resistant with the sapphire glass objective

**Application Benefits**

**Mountable transmitter**

- Optional 33 kHz transmitter can be used to determine the length of the camera head (90° from Ø 70 mm)
- In small pipe diameters the transmitter can also be used without the camera head to determine the course of the pipe without a visual inspection

**Technical Data**

Camera head	Ø 30 mm with 10 LED lights Ø 40 mm with 36 LED lights self-leveling and waterproof
Brightness	175 lx (0.5 m), camera head Ø 30 mm 666 lx (0.5 m), camera head Ø 40 mm

**Automatic self-levelling**



10

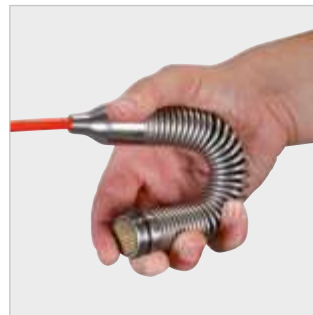
Excellent illumination



Pressure tight screw slip-ring connection



High flexibility and durability



Mountable transmitter



Model	Weight	PU	No.
Camera head Ø 30 mm	0.190 kg	1	1500000123

Model	Weight	PU	No.
Camera head Ø 40 mm	0.410 kg	1	1500000122

### Rolling skids

#### Recommended for distances from 10 m

Rolling skids RS40/150 for pipes Ø 150–200 mm  
 Rolling skids RS40/200 for pipes Ø 200–300 mm

#### Application Benefits

- Optimized view of the pipe section
- Less pushing resistance with the fully rubberized wheels



No. 69118

No. 69119

For camera head Ø 30 mm	Weight	PU	No.
Adapter Ø 30 to Ø 40mm	0.100 kg	1	1000001836

For camera heads Ø 40 mm	Weight	PU	No.
Rolling skids Ø 150 mm	0.700 kg	1	69118
Rolling skids Ø 200 mm	0.700 kg	1	69119

### Guidance balls

#### For centring of the camera head in pipes for a better overview and illumination

Guidance ball for pipes Ø 70–150 mm  
 Guidance ball with brush attachment for pipes Ø 70–200 mm

#### Application Benefits

- Optimized view of the pipe section through centring in the pipe
- Dirt will not accumulate in front of the lens



No. 69112/1500000817

No. 69111/1500000120

For camera heads Ø 30 mm	Weight	PU	No.
Guidance ball for Ø 150 mm	0.200 kg	1	1500000120
Guidance ball for brush attachments	0.200 kg	1	1500000817

For camera heads Ø 40 mm	Weight	PU	No.
Guidance ball for Ø 200 mm	0.200 kg	1	69111
Guidance ball for brush attachments	0.200 kg	1	69112

### Brush attachments

#### For centering the camera head and for improving sight in pipes from Ø 100–200 mm

Brush attachment Ø 100 for use in pipe Ø 100–150 mm  
 Brush attachment Ø 150 for use in pipe Ø 150–200 mm

#### Application Benefits

- Optimized view of the pipe section through centring in the pipe
- Dirt will not accumulate in front of the lens
- Good curveability with the brush flexibility



Brush attachment spiral feather (rear) No. 69113    Brush attachment camera head (front) No. 69113

Model	Weight	PU	No.
Brush attachment Ø 100 mm <sup>1</sup>	0.200 kg	1	69113

Model	Weight	PU	No.
Brush attachment Ø 150 mm <sup>1</sup>	0.300 kg	1	69117

1) Use with guidance ball No. 69112/1500000817