O1NE
of
6.000
Premium tools for professionals!

ROTHENBERGER

Inspection & Locating

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Do you want to know more about our products? Please scan the QR-Code!

ROTHENBERGER

ROSCOPE® i2000

App for Smartphone and Tablet

For editing and sending of recorded image data

Available for iOS and Android!

ROSCOPE® i2000 Modules

	Module TEC	Module 25/16	Module 25/22	Module ROSCAN 150	Module ROLOC PLUS
Application:	Hollow Spaces	Ø 50-100 mm	Ø 40-100 mm	Thermography	Locating of sondes
Display size:	3,5"	3,5"	3,5"	3,5"	3,5"
Touchscreen:	✓	✓	✓	✓	✓
Cable length:	1 m	16 m	22 m	–	–
Cable:	Ø 9 mm	Ø 8,5 mm	Ø 5,5 mm	–	–
Camera head:	Ø 17 mm	Ø 25 mm	Ø 25 mm	–	–
Self levelling:	✓	✓	–	–	–
Transmitter:	–	✓	–	–	–
Frequency:	–	512 Hz	–	–	512 & 640 Hz, 33 kHz
Picture format:	JPG	JPG	JPG	JPG	–
Picture Resolution:	640 x 480 Pixel	640 x 480 Pixel	640 x 480 Pixel	640 x 480 Pixel	–
Video format:	AVI	AVI	AVI	AVI	–
Video Resolution:	640 x 480 Pixel	640 x 480 Pixel	640 x 480 Pixel	640 x 480 Pixel	–
Storage:	SD-card	SD-card	SD-card	SD-card	–
WiFi:	✓	✓	✓	✓	–
Protocol feature:	–	–	–	–	–
Audio-recording:	✓	✓	✓	✓	–
Data handling:	via App	via App	via App	via App	–
Page	**211**	**212**	**211**	**213**	**213**

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ROTHENBERGER

ROCAM® 4

App for Smartphone and Tablet

For editing and sending of recorded image data

Available for iOS and Android!

ROCAM® 4 Exchange Reels

	Exchange reel with Camera head Ø 30 mm	Exchange reel with Camera head Ø 40 mm	Mini Module 8 m
Application:	Ø 70 - 150 mm	Ø 100 - 300 mm	Ø 40-100 mm
Display size:	10,4"	10,4"	10,4"
Touchscreen:	✓	✓	✓
Cable length:	30 m	30 m	8 m
Cable:	Ø 7 mm	Ø 7 mm	Ø 5,5 mm
Camera head:	Ø 30 mm	Ø 40 mm	Ø 25 mm
Self levelling:	✓	✓	–
Transmitter:	✓	✓	–
Frequency:	33 kHz	33 kHz	–
Picture format:	JPG	JPG	JPG
Picture resolution:	720 x 600 Pixel	720 x 600 Pixel	720 x 600 Pixel
Video format:	AVI	AVI	AVI
Video Resolution:	720 x 600 Pixel	720 x 600 Pixel	720 x 600 Pixel
Storage:	SD-card	SD-card	SD-card
WiFi:	✓	✓	✓
Protocol feature:	✓	✓	✓
Audio-recording:	✓	✓	✓
Data handling:	✓	✓	✓
Page	**214, 215**	**214, 215**	**215**

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ROTHENBERGER

Video Inspection

ROSCOPE® i2000

Inspection and locating technology combined in one unit with multiple functions. Modular system allows for various applications.

	Product Profile

APPLICATION AREA

The ROSCOPE® i2000 covers almost all inspection techniques within living and working spaces. Camera and locating modules allow a multifunctional use. WiFi technology enables a quick and easy data transfer.

KEY FEATURES

- User-friendly touchscreen monitor and simple menu guidance
- Easy data transfer for subsequent processing
- Audio recording and playback possible without further equipment
- USB charging function

TECHNICAL DATA

Display:	3.5" Touchscreen (color)
Video format:	AVI
Picture format:	JPEG, 640 x 480 pixels
Connection:	Mini-USB, AV-Out, SD-card slot
Power supply:	Li-ion battery 3.7 V / 5.2 Ah

Versatile and user-friendly!

Compatible connection

Previous ROTHENBERGER modules can be used

WiFi

Easy data transfer to mobile devices

3.5" Touchscreen

640 x 480 pixel resolution (JPEG)

Ergonomic handling

Function keys arranged closely together

SD-card slot

Memory space for audio, video and image data

Integrated microphone

Integrated speaker

For audio playback

Slip-free handle

For comfortable and effort saving operation - even over long periods of time

Powerful Li-ion battery

For an extra long battery life and short charging times

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ROTHENBERGER

ROSCOPE® i2000 & ROCAM® 4 App

**App for smartphone and tablet to edit and send recorded image data**

APPLICATION ADVANTAGES

- WiFi-transmitter allows a live image transfer from the ROSCOPE® i2000 to mobile devices
- Integrated editing function to indicate and mark specific pipeline damages
- Synchronizing of stored images of the ROSCOPE® i2000 to allow further processing
- Sending of edited pictures directly from the place of action

See page 210

Transfer to mobile devices
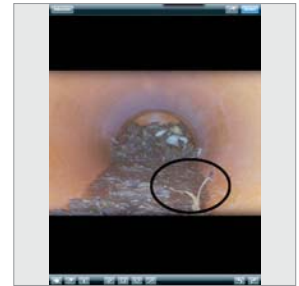
Editing with the ROSCOPE® i2000 App

For Inspection: MULTIVIEW

Modular concept for visual inspection of pipes, hollow spaces and pipes

KEY FEATURES

4 different modules for the ROSCOPE® i2000 basic unit

- **Module TEC**
  Hollow space inspection with self-leveling picture
- **Module 25/16 or 25/22:**
  Waterproof pipe module for pipe inspection in 90° bends from Ø 40 mm
- **Module ROSCAN 150:**
  Thermal Image Camera with Overlay-technology for the precise detection of leaks

See pages 211-213

Module 25/16

Module 25/22

Module TEC

Module ROSCAN 150

For Locating: ROLOC PLUS

Positioning module for sondes

KEY FEATURES

- The unit guides through the locating process reliably
- Minimises the effort needed for evacuations or locating damaged areas on the pipe with pin-point locating of the camera head
- Pin-point locating of the specific location with the depth measurement function

See page 213

Camera head is 1.5 m deep

512 Hz

1.5 m
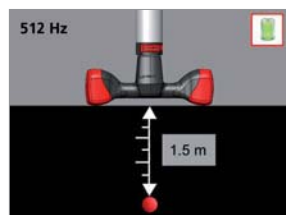
Target is right of the running direction. Correction of your direction to the right is necessary

512 Hz

45

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Inspection & Locating
Video Inspection

ROSCOPE® i2000 & ROCAM® 4 App

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

Product Profile
APPLICATION ADVANTAGES

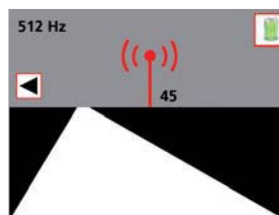- WiFi-transmitter allows a image transfer live from the ROSCOPE® i2000 to mobile devices
- Integrated editing function to mark and name specific pipeline damages
- Synchronizing of stored images of the ROSCOPE® i2000 to allow further processing
- Sending of edited pictures directly from the place of action

TECHNICAL DATA

ROSCOPE® i2000:
Compatibility:	iOS 5.1 or newer, 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

Live Image

Editing Display

Album

Album

Picture and Video Recording

Settings / Notes

Editing

Change to edit settings
- Color palette
- Pen and Rubber
- Text
- Right-angle, Circle, Arrow

Available for iOS and Android!

Inspection of basin drains

Sending of edited pictures directly from the place of action

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ROSCOPE® i2000 Module TEC

High-performance camera for the inspection of hollow spaces and hard to reach areas

Self-levelling camera head

No. 69615

Product Profile

KEY FEATURES

- User-friendly touchscreen monitor and simple menu guidance
- Self-leveling camera head
- Recording and playback of the inspection on video (AVI) or photo (JPEG)
- Waterproof camera head as per IP 68

TECHNICAL DATA

Display:	3.5" Touchscreen (color) (technical data about basic unit available on page 208)
Camera head:	Ø 17 mm, **self-leveling** and waterproof, with 4 LED lights
Brightness:	100 LUX (0.5 m)
Cable length:	1 m
Power supply:	Li-ion battery 3.7 V / 5.2 Ah
Weight:	0.9 kg

Inspection of hollow spaces

Camera head with high-performance LEDs

Scope of delivery ROSCOPE® i2000 Module TEC (No. 1500000696):
ROSCOPE® i2000 basic unit, Module TEC, charger, plastic carrying case

Model		No.
ROSCOPE® i2000 Module TEC	1	**1500000696**
Module TEC (without basic unit)	1	**69601**
Set (hook, magnet, mirror)	1	**69615**

ROSCOPE® i2000 Module 25/22

High-performance camera for the inspection of pipes from ø 40 up to 100 mm.

Cable length: 22 m!

Product Profile

KEY FEATURES

- Recording and playback of the inspection on video (AVI) or photo (JPEG)
- Extremely flexible camera head for 90° bends starting from Ø 40 mm

TECHNICAL DATA

Display:	3.5" Touchscreen (color) (technical data about basic unit available on page 192)
Camera head:	Ø 25 mm, waterproof, with 8 LED lights
Brightness:	100 LUX (0.5 m)
Cable length:	22 m
Cable diameter:	5.5 mm
Power supply:	Li-ion battery 3.7 V / 5.2 Ah
Weight:	3.1 kg

Inspection of rain downpipes

Inspection of floor drains

Scope of delivery ROSCOPE® i2000 Module 25/22 (No. 1000000860):
ROSCOPE® i2000 basic unit, Module 25/22, Module TEC, charger, plastic carrying case

Model		No.
ROSCOPE® i2000 Module 25/22 + Module TEC	1	**1000000860**
1 Module 25/22 (without basic unit)	1	**69603**
Guide skid for Module 25/16 and 25/22	1	**74629**

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ROTHENBERGER

Video Inspection

ROSCOPE® i2000 Module 25/16

High-performance camera for the inspection of pipes from Ø 50 up to 100 mm. With an integrated transmitter for the precise locating of the camera head.

Product Profile

KEY FEATURES

- Recording and playback of the inspection on video (AVI) or photo (JPEG)
- Extremely flexible camera head for 90° bends starting from Ø 50 mm
- Can be used with guide skid up to Ø 100 mm
- Self-leveling picture
- Integrated transmitter for the precise locating of the camera head
- ROSCOPE® i2000 basic unit can also be used as control unit for the ROLOC PLUS locating module

TECHNICAL DATA

Display:	3.5" Touchscreen (color) (technical data about basic unit available on page 208)
Camera head:	Ø 25 mm, **self-leveling** and waterproof, with 4 extra bright LED lights
Brightness:	125 LUX (0.5 m)
Cable length:	16 m
Cable diameter:	8.5 mm
Frequency:	512 Hz
Power supply:	Li-ion battery 3.7 V / 5.2 Ah, 2 AA batteries (transmitter)
Weight:	3.9 kg

Simple locating of the camera head with the integrated transmitter!

WiFi
Easy data transfer to mobile devices

3.5" Touchscreen
640 x 480 pixel resolution (JPEG)

Integrated transmitter
For the precise locating of the camera head

Self-leveling camera head
Picture is always upright, no loss of orientation

Battery compartment
For the power supply of the integrated transmitter (2 AA batteries included in delivery)

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Rubberized base
Stable stand without slipping and damaging the surface

Guide skid for Module 25/16 and 25/22
For centring of the camera head, better illumination of the pipe

No. 74629

Inspection of access line

Inspection of rain drainpipes

Scope of delivery ROSCOPE® i2000 Module 25/16 (No. 1000000842):
ROSCOPE® i2000 basic unit, Module 25/16, Module TEC, charger, plastic carrying case

Model		No.
ROSCOPE® i2000 Module 25/16 + Module TEC	1	**1000000842**
Module 25/16 (without basic unit)	1	**1500000052**
Guide skid for Module 25/16 and 25/22	1	**74629**

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ROSCOPE® i2000 Module ROLOC PLUS

**Easy to use pipe and sonde locating device.
Available as a complete unit, as well as locating
module for the ROSCOPE® i2000 Basic unit**

Product Profile

KEY FEATURES

- Pin-point location of the sonde
- Precise depth measurement
- Different frequencies can be chosen
- Simple and clear menu design guides step-by-step through the locating process
- Telescopic function makes transporting in case easier

TECHNICAL DATA

Display:	3.5" Touchscreen (color) (technical data about basic unit available on page 208)
Frequencies:	512 and 650 Hz, 33 kHz active/passive, 50/60 Hz passive
Power supply:	Li-ion battery 3.7 V / 5.2 Ah
Dimensions:	95 x 32 x 30 cm (operating mode) 67 x 32 x 9 (transportation mode)
Weight:	1.4 kg

Scope of delivery ROSCOPE® i2000 Module ROLOC PLUS (No. 1000000065): ROSCOPE® i2000 basic unit, Module ROLOC PLUS; Module TEC, charger, plastic carrying case

Model		No.
ROSCOPE® i2000 Module ROLOC PLUS + Module TEC	1	**1000000861**
Module ROLOC PLUS (without basic unit i2000)	1	**1500000057**

Also for use with ROCAM® 4 Multimedia

Telescopic function

For easier transport in case

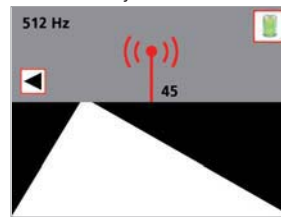**Multi-frequencies**

Locating of the most common camera heads

Depth measurement

Pin-point location of the transmitter position

Simple menu guidance

Guides step-by-step to targeted position

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

512 Hz 45

Depth measurement with a push of the button

512 Hz 1.5 m
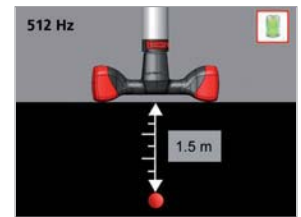
ROSCOPE® i2000 Module ROSCAN 150

Infrared camera for leak detection

Product Profile

KEY FEATURES

- Overlay technology for precise leak detection
- Very high accuracy of measurement in the range of - 20 °C to 220 °C
- 3.5" touchscreen for easy and intuitive handling
- WiFi-transmission to mobile end devices
- Recording of pictures (jpeg) and videos (avi)
- Recording and playback of audio comments
- Memory on internal SD-Card

TECHNICAL DATA

Display:	3.5" Touchscreen (color) (Technical Data Basic unit see page 208)
IR Pixel:	32 x 31
Display size:	23,8 x 23,1 mm
Temperature range of the object:	-20 °C bis 220 °C
NETD:	160 mK
Frame rate:	9 Hz
Ideal focus distance:	2 m

Model		No.
ROSCOPE® i2000 Module ROSCAN 150 + Modul TEC	1	**1000000995**
Module ROSCAN 150 (without Basic Unit i2000)	1	**1500000932**

Overlay-Technique:
Overlay of visual image and thermal image for accurate analysis and clear understanding

For ROSCOPE® 1000 and ROSCOPE® i2000!

Modular concept for ROSCOPE® 1000 und ROSCOPE® i2000

Hydraulic balance – Visualization of heating efficiency

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ROTHENBERGER

ROCAM® 4

Inspection camera for pipes from Ø 40-300 mm, with integrated software for documentation and large removable 10,4" Touchscreen

Product Profile

KEY FEATURES

- Picture editing, change of camera settings and menu guidance via the 10,4" Colour-Touchscreen
- Direct recording of pictures and video, as well as editing options (e.g. documentation of damage)
- Fast data recording with integrated keyboard to mark, highlight and name damages

KEY FEATURES

- Picture and video transmission via WIFI, Micro-HDMI, Mini-USB, SD-card
- Livestream of picture and data via WIFI to the ROCAM® 4 App
- Self-levelling and exchangeable camera heads
- Exchangeable reels for various working ranges

Li-Ion battery 18V 3,0Ah (same as ROMAX® 3000)

Long battery operation time (up to 5 hours)

Digital metre count

Precise determination of distance to camera head

WiFi transmitter

Simple data transmission to mobile devices

Removable display unit with 10,4" Colour-Touchscreen

Full functionality, even in confined spaces

Integrated microphone

Voice recording for documentation possible

Exchangeable reel system 30m / 8m

Large operating range from Ø 40 mm pipe diameter

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30 mm Camera head with improved luminosity

High flexibility and durability

Cover protected connections for SD-card, Micro-HDMI, Mini-USB
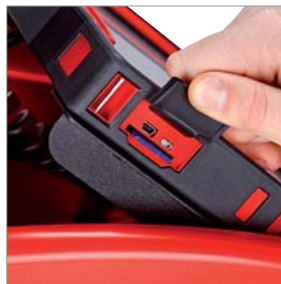
Locating with ROSCOPE® module ROLOC PLUS

ROTHENBERGER

TECHNICAL DATA	
Picture and video format:	JPG / AVI (Resolution 720 x 600)
Camera head:	Ø 30 mm, self-levelling and waterproof with 10 LEDs
	Ø 40 mm, self-levelling and waterproof with 36 LEDs
Working area:	Ø 70 - 150 mm (30 mm camera head)
	Ø 100 - 300 mm (40 mm camera head)

TECHNICAL DATA	
Cable length:	30 m (standard)
	8 m Mini-Module (optional)
Cable diameter:	7 mm (30 m reel)
	5,5 mm (Mini-Module)
Transmitter frequency:	33 kHz
Power supply:	Li-Ion battery 18V / 3 Ah
	Main adaptor 230 V, 50 - 60 Hz (optional)

Sending of edited pictures directly from the place of action

10,4" Color-Touchscreen for the use on construction site

Model		No.
ROCAM® 4 with Camera head ø 30 mm	1	**1500001470**

Model		No.
ROCAM® 4 with Camera head ø 40 mm	1	**1500001471**

Mini-Module ROCAM® 4

Easy extension of the working area of the ROCAM® 4 for pipes Ø 40 - 100 mm

Product Profile
KEY FEATURES
● Professional Inspection of small pipe diameters
● Easy Handling due to Exchange reel system

TECHNICAL DATA	
Camera head:	Ø 25 mm, waterproof with 8-LEDs
Working area:	Ø 40 - 100 mm
Cable length:	8 m Mini-Module
Cable diameter:	5,5 mm

Model		No.
Mini-Module ROCAM® 4	1	**1500001472**

ACCESSORIES		

Model	No.
Camera head ø 40 mm	**1500000122**
Camera head ø 30 mm	**1500000123**
ROCAM® 4 Accessories 📖 216	

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ROTHENBERGER
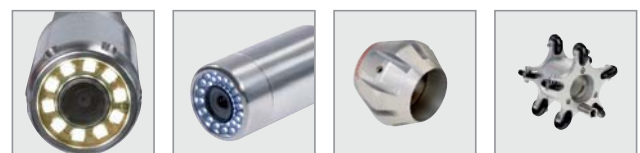
Video Inspection

ROCAM® Camera Heads

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

Product Profile

KEY FEATURES

Excellent brightness:
- The ROCAM® camera head Ø 30 mm has over 10 ultra bright LED lights, that effortlessly illuminate pipes up to Ø 150
- 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° curveablity 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

KEY FEATURES

Mountable transmitter:
- Optional 33 kHz transmitter can be used to determine the length of the camera head (90° from Ø 70)
- 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 LUX (0.5 m), camera head Ø 30 mm 666 LUX (0.5 m), camera head Ø 40 mm

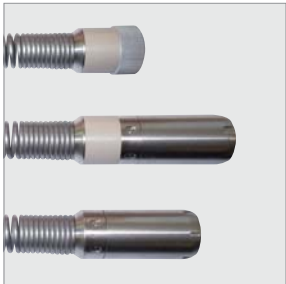## Always an upright picture!

Excellent illumination
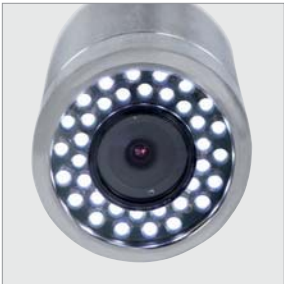
Pressure tight screw slip-ring connection

High flexibility and durability

Mountable transmitter

Model	No.
Camera head Ø 30 mm	**1500000123**

Model	No.
Camera head Ø 40 mm	**1500000122**

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ROTHENBERGER

ROCAM® Accessories

Rolling Skids

Recommended for distances from 10 m

APPLICATION AREA

Rolling skids RS40/150 for pipe diameters Ø 150 - 200 mm
Rolling skids RS40/200 for pipe diameters Ø 200 - 300 mm

KEY FEATURES

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

No. 69118   No. 69119

| Model	⚖ g	▱	No.
For camera heads Ø 40 mm:			
Rolling skids Ø 150 mm	700	1	**69118**
Rolling skids Ø 200 mm	700	1	**69119**

Brush Attachments

To improve the overview in pipes from Ø 100 – 200 mm

APPLICATION AREA

Brush attachment Ø **100** for use in pipe Ø 100 - 150 mm
Brush attachment Ø **150** for use in pipe Ø 150 - 200 mm

KEY FEATURES

● 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
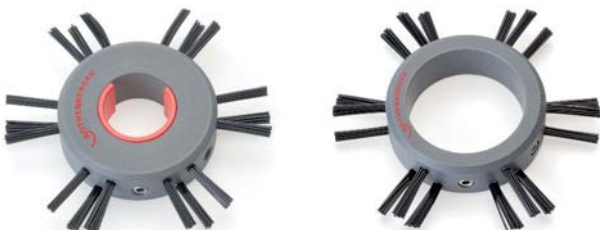
Brush attachement spiral feather (rear)   Brush attachement camera head (front)

*Use with guide skid No. 69112 / 1500000817

Model	⚖ g	▱	No.
Brush attachment Ø 100*	200	1	**69113**
Brush attachment Ø 150*	300	1	**69117**

Rolling Skids ROCAM® 4 Multimedia

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

APPLICATION AREA

Guide skid for pipe diameters Ø 70 - 150 mm
Guide skid with brush attachment for pipe diameters
Ø 70 - 200 mm

KEY FEATURES

● 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

Model	⚖ g	▱	No.
For camera heads Ø 30 mm:			
Guide skid for Ø 150 mm	200	1	**1500000120**
Guide skid for brush attachments	200	1	**1500000817**
For camera heads ø 40 mm:			
Guide skid for ø 200 mm	200	1	**69111**
Guide skid for brush attachments	200	1	**69112**

Battery. mains adaptor and Charger ROCAM® 4 Multimedia

KEY FEATURES

● Extend the mobile operation spare battery
● No unintentional release of the battery, battery lock with click mechanism
● External battery charger, independent charging of the battery, higher mobility

TECHNICAL DATA

Battery: 12 V / 3 or 6 Ah NiMh

No. 15810   No. 15811

No. 1500001562

Model	▱	No.
Spare battery (18 V / 3.0 Ah, Li-Ion)	1	**15810**
Charger for spare battery (110-230 V)	1	**15811**
Mains adaptor (230 V)	1	**1500001562**

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