

# Compact & maneuverable - to travel further!

# ROMVER®



Архангельск (8182)63-90-72  
Астрахань (8512)99-46-04  
Барнаул (3852)73-04-60  
Белгород (4722)40-23-64  
Брянск (4832)59-03-52  
Владивосток (423)249-28-31  
Волгоград (844)278-03-48  
Вологда (8172)26-41-59  
Воронеж (473)204-51-73  
Екатеринбург (343)384-55-89  
Иваново (4932)77-34-06  
Ижевск (3412)26-03-58  
Иркутск (395)279-98-46

Казань (843)206-01-48  
Калининград (4012)72-03-81  
Калуга (4842)92-23-67  
Кемерово (3842)65-04-62  
Киров (8332)68-02-04  
Краснодар (861)203-40-90  
Красноярск (391)204-63-61  
Курск (4712)77-13-04  
Липецк (4742)52-20-81  
Магнитогорск (3519)55-03-13  
Москва (495)268-04-70  
Мурманск (8152)59-64-93  
Набережные Челны (8552)20-53-41  
Нижний Новгород (831)429-08-12

Новокузнецк (3843)20-46-81  
Новосибирск (383)227-86-73  
Омск (3812)21-46-40  
Орел (4862)44-53-42  
Оренбург (3532)37-68-04  
Пенза (8412)22-31-16  
Пермь (342)205-81-47  
Ростов-на-Дону (863)308-18-15  
Рязань (4912)46-61-64  
Самара (846)206-03-16  
Санкт-Петербург (812)309-46-40  
Саратов (845)249-38-78  
Севастополь (8692)22-31-93  
Симферополь (3652)67-13-56

Смоленск (4812)29-41-54  
Сочи (862)225-72-31  
Ставрополь (8652)20-65-13  
Сургут (3462)77-98-35  
Тверь (4822)63-31-35  
Томск (3822)98-41-53  
Тула (4872)74-02-29  
Тюмень (3452)66-21-18  
Ульяновск (8422)24-23-59  
Уфа (347)229-48-12  
Хабаровск (4212)92-98-04  
Челябинск (351)202-03-61  
Череповец (8202)49-02-64  
Ярославль (4852)69-52-93

Киргизия (996)312-96-26-47

Казахстан (7273)495-231

Таджикистан (992)427-82-92-69

Единый адрес для всех регионов: [pkk@nt-rt.ru](mailto:pkk@nt-rt.ru) || [www.ipek.nt-rt.ru](http://www.ipek.nt-rt.ru)



## The ROVVER® System – Compact and Versatile

The modular design of **ROVVER®** allows our crawlers to adapt to all diameters, with diverse material and condition. Due to short wheelbase and steerability our crawlers can easily move over obstacles, steps and pass through tight bends. There are three crawler sizes available that can inspect pipes ranging from 100 mm to 1500 mm (4" to 60").

Our automatic cable reel enables crawlers to perform best over the full inspection distance and prevents cable tangles and jams during retrieval. With a compact size our **ROVVER®** system offers both, highest flexibility and a minimum of work.

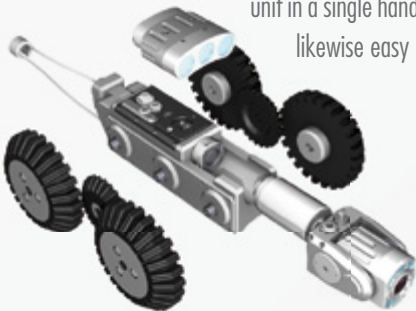
## Built Compact for difficult Requirements

A short wheelbase helps **ROVVER®** to travel with ease over obstacles and debris. The intermediate wheels of the 6-wheel drive avoid hang-ups at offsets or inverts. Travelling around tight bends is an easy task due to the hairpin steering.



## Competent Solutions for all Demands

With interchangeable wheels, lighting, cameras and the adjustable-height technique, the **ROVVER®** crawlers feature a maximal adaptability to all kinds of materials, situations and pipes ranging from 100 mm to 1500 mm (4" to 60") internal diameter. You can connect crawler and camera with the control unit in a single hand movement. Fixing the wheels is likewise easy due to a single screw technique.



## ROVVER® Performance

Designed for a powerful inspection. **ROVVER®** is versatile and maneuverable – it almost can't be stopped by obstacles.

- The modular design in aluminium or stainless steel is waterproof up to 10 m or 1 bar (32.8 ft or 14.5 psi).
- Camera pans 2x 135° and tilts 2x 175°.
- The autofocus colour camera with zoom (10x optical, 12x digital) is optional available.
- Shadowless LEDs illuminate every nook and cranny.
- An elevator (**ROVVER225**) centers the camera in pipes up to 800 mm (32").
- A transmitter facilitates location of **ROVVER®** crawlers in pipes.
- A freewheel clutch and the optional **BackEye** camera facilitate retrieval, avoiding cable jams.
- The optical sensor alerts in case of decrease in pressure.
- The inclinometer measures grade and incline.

## Clear-Sighted

Best sight can be granted with **ROVVER®**'s cameras **RC48**, **RCS80** and **RC90**. They are individually interchangeable and offer everything that pipeline inspection asks for – according to use and demand.





# PERIPHERAL DEVICES

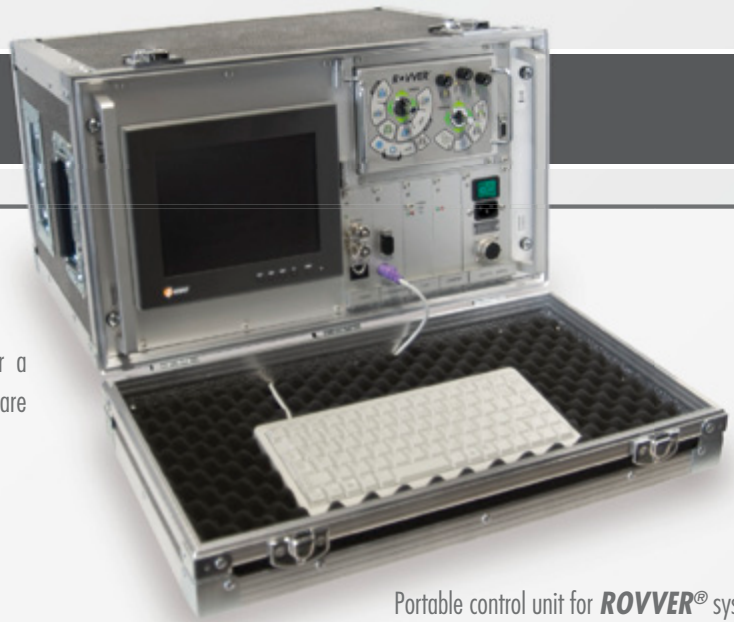
## Ergonomically

The **ROVVER**® design is created with a maximum of productivity for a single user only. Automatic flows, which usually would need another person, are economically and ergonomically for all business dimensions.

- A smart tensioner automates cable retrieval.
- An automatic cable rewind coils cable uniformly.
- Distance measurement is displayed at the cable reel (**RA200**) and in monitor.
- Up to 200 m (656 ft) cable is attached at the cable reel with a connector for easy change-out.



The **ROVVER**® control unit is the central control device for all system components.



Portable control unit for **ROVVER**® system with removable remote pendant controller.

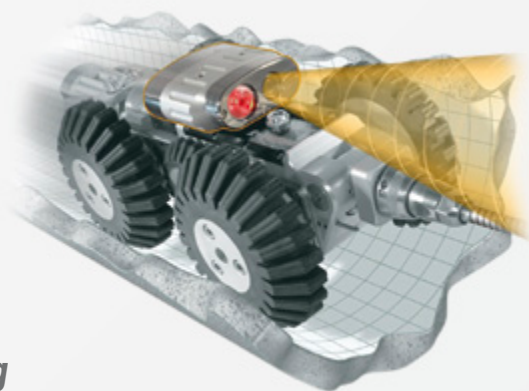
## Portable

**ROVVER**®'s systems are easy to set up and use. Therefore it sets standards in this industrial sector and convinces through functionality and flexibility.

- Integral 10" LCD monitor.
- Multilingual text generator (multicolor) with 25 lines per page.
- Memory stores five pages of text and up to 240 shortcut keys for short information. Integral keyboard for various text entries and logos.
- Optional handheld control pendant of the 19" control unit version for inspection vehicles.
- Power supply adjusts to accommodate cable of varying lengths.
- Entire system draws no more than 1000 W and accepts 115-230 Vac.

## Far-Seeing

The auxiliary light with integrated **BackEye** camera facilitates retrieval and avoids cable crosses (**ROVVER225** standard).



The manual cable reel comprises of a built-in meter-counter and an optional motorized winding-support.



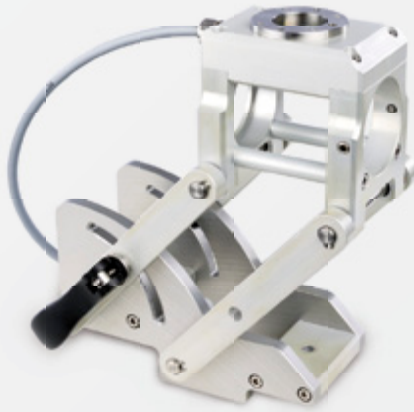
# SYSTEM-CONFIGURATION & INSPECTION VEHICLES

## System Configurations / Effectiveness

To achieve a maximum effectiveness all **ROVVER**<sup>®</sup> components are interchangeable.

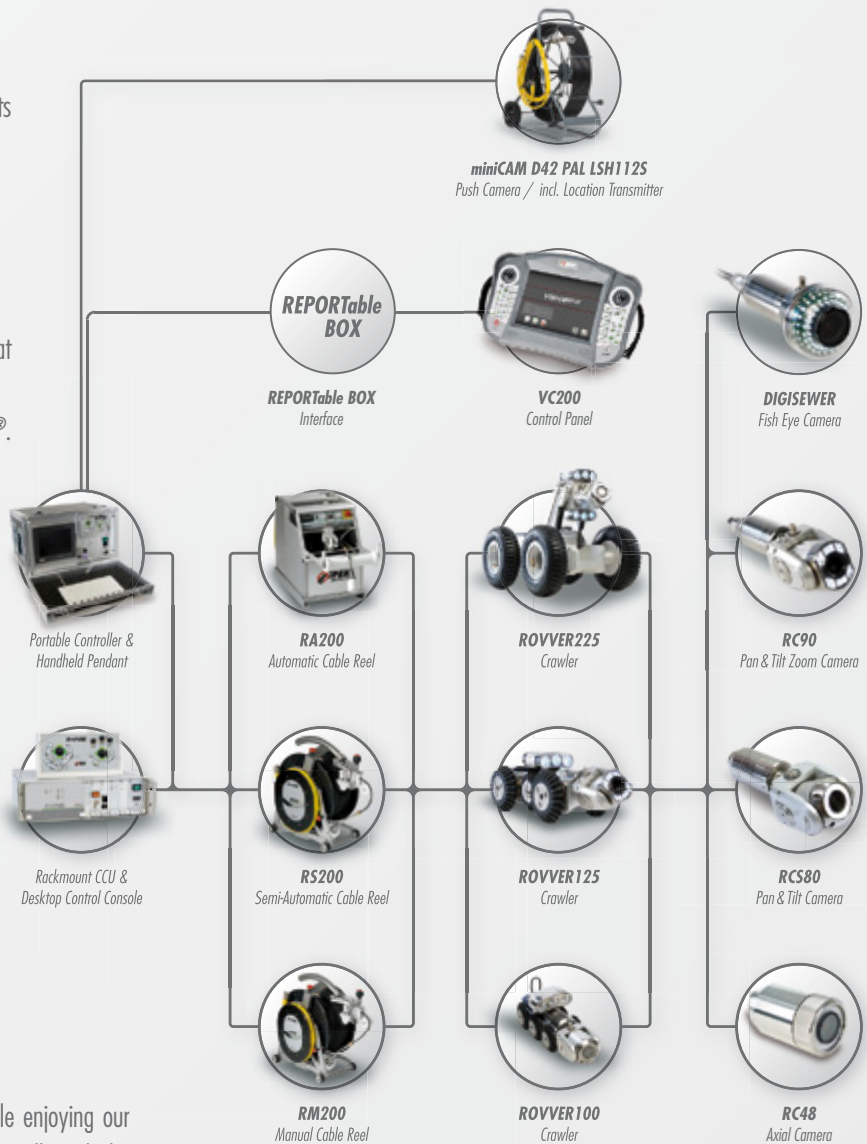
### Camera Raise Kit

Our **ROVVER**<sup>®</sup> system offers an optional camera raise kit that enables cameras to operate in pipes up to 600 mm (23.6"). Additionally our camera raise kit is compatible with **DigiSewer**<sup>®</sup>.



### Custom-Built Inspection Vehicles

We'd like you to be able to render every single inspection while enjoying our technology. Thus, we furnish our vehicles ergonomically and technically with the most important components. Various configurations are possible with several car models. We adapt our technology to your requirements ranging from Mercedes Vito to trailers and truck buildups. You can choose between **SUPERVISION**<sup>®</sup>, **ROVION**<sup>®</sup>, **ROVVER**<sup>®</sup>, **AGILIOS**<sup>™</sup>, **DigiSewer**<sup>®</sup>, **QuickView**<sup>®</sup> and the respective accessories.



# TECHNICAL DETAILS

# ROVVER®

## Crawler

<b>100*</b>	Dimensions (L x W x H) ... 197 x 86 x 74 mm (7.8 x 3.4 x 2.9")	Pipe Diameter ... 100 - 300 mm (4" to 12")
	Weight . . . . . 4.5 kg (10 lb)	Pressure-Tight ... 1 bar (14.5 psi)
<b>125*</b>	Dimensions (L x W x H) ... 299 x 107 x 89 mm (11.8 x 4.2 x 3.5")	Pipe Diameter ... 150 - 600 mm (6" to 36")
	Weight . . . . . 8 kg (17.6 lb)	Pressure-Tight ... 1 bar (14.5 psi)
<b>225*</b>	Dimensions (L x W x H) ... 536 x 181 x 167 mm (21.1 x 7.1 x 6.6")	Pipe Diameter ... 250 - 1000 mm (9" to 60")
	Weight . . . . . 25 kg (55 lb)	Pressure-Tight ... 1 bar (14.5 psi)

## Camera

<b>RC48</b>	Dimensions (L x W x H) ... 91 x 48 x 48 mm (3.6 x 1.9 x 1.9")	Standard . . . . . NTSC & PAL
	Weight . . . . . 0.5 kg (1.1 lb)	Pressure-Tight ... 1 bar (14.5 psi)
<b>RCS80</b>	Dimensions (L x W x H) ... 190 x 79 x 62 mm (7.5 x 3.1 x 2.5")	Standard . . . . . NTSC & PAL
	Weight . . . . . 1.5 kg (3.3 lb)	Pressure-Tight ... 1 bar (14.5 psi)
<b>RC90</b>	Dimensions (L x W x H) ... 213 x 79 x 72 mm (8.4 x 3.1 x 2.8")	Standard . . . . . NTSC & PAL
	Weight . . . . . 2 kg (4.4 lb)	Pressure-Tight ... 1 bar (14.5 psi)

## Cable Reel

<b>RM200</b>	Dimensions (L x W x H) ... 610 x 289 x 520 mm (24 x 11.4 x 20.5")	Cable Length .... max. 200 m
	Weight (incl. cable **).....approx. 23 kg (50.7 lb)	Water Proof . .... Splash Guard
<b>RS200</b>	Dimensions (L x W x H) ... 610 x 289 x 520 mm (24 x 11.4 x 20.5")	Cable Length .... max. 200 m
	Weight (incl. cable **) . . . .approx. 23 kg (50.7 lb)	Water Proof . .... Splash Guard
<b>RA200</b>	Dimensions (L x W x H) ... 799 x 355 x 500 mm (31.5 x 14 x 19.7")	Cable Length .... max. 200 m
	Weight (incl. cable **) . . . .approx. 35 kg (77.2 lb)	Water Proof ..... Splash Guard

\* official article names are **ROVVER100**, **ROVVER125** and **ROVVER225**

\*\* 200 m (656 ft)

# EMOTIONAL TECHNOLOGY



Архангельск (8182)63-90-72  
Астрахань (8512)99-46-04  
Барнаул (3852)73-04-60  
Белгород (4722)40-23-64  
Брянск (4832)59-03-52  
Владивосток (423)249-28-31  
Волгоград (844)278-03-48  
Вологда (8172)26-41-59  
Воронеж (473)204-51-73  
Екатеринбург (343)384-55-89  
Иваново (4932)77-34-06  
Ижевск (3412)26-03-58  
Иркутск (395)279-98-46

Казань (843)206-01-48  
Калининград (4012)72-03-81  
Калуга (4842)92-23-67  
Кемерово (3842)65-04-62  
Киров (8332)68-02-04  
Краснодар (861)203-40-90  
Красноярск (391)204-63-61  
Курск (4712)77-13-04  
Липецк (4742)52-20-81  
Магнитогорск (3519)55-03-13  
Москва (495)268-04-70  
Мурманск (8152)59-64-93  
Набережные Челны (8552)20-53-41  
Нижний Новгород (831)429-08-12

Новокузнецк (3843)20-46-81  
Новосибирск (383)227-86-73  
Омск (3812)21-46-40  
Орел (4862)44-53-42  
Оренбург (3532)37-68-04  
Пенза (8412)22-31-16  
Пермь (342)205-81-47  
Ростов-на-Дону (863)308-18-15  
Рязань (4912)46-61-64  
Самара (846)206-03-16  
Санкт-Петербург (812)309-46-40  
Саратов (845)249-38-78  
Севастополь (8692)22-31-93  
Симферополь (3652)67-13-56

Смоленск (4812)29-41-54  
Сочи (862)225-72-31  
Ставрополь (8652)20-65-13  
Сургут (3462)77-98-35  
Тверь (4822)63-31-35  
Томск (3822)98-41-53  
Тула (4872)74-02-29  
Тюмень (3452)66-21-18  
Ульяновск (8422)24-23-59  
Уфа (347)229-48-12  
Хабаровск (4212)92-98-04  
Челябинск (351)202-03-61  
Череповец (8202)49-02-64  
Ярославль (4852)69-52-93

Киргизия (996)312-96-26-47

Казахстан (7273)495-231

Таджикистан (992)427-82-92-69

Единый адрес для всех регионов: [pkk@nt-rt.ru](mailto:pkk@nt-rt.ru) || [www.ipek.nt-rt.ru](http://www.ipek.nt-rt.ru)