

Powerful and Agile - around all bends

AGILIOS™



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Таджикистан (992)427-82-92-69

Единый адрес для всех регионов: pkk@nt-rt.ru || www.ipek.nt-rt.ru

AGILIOS™ Pan & Tilt Push Camera System

AGILIOS™ – the pan & tilt push camera system by **iPEK**. It consists of a coiler for a 30, 60 or 90 m reinforced, but still flexible push cable, the multifunctional control panel **VISIONCONTROL** and the camera heads **PTP70** and **AC42**, which was developed according to the requirements of our worldwide customers. In addition to the high image quality, the main functions of the system are an optimum illumination through LED-technology, an integrated location transmitter with an adjustable frequency range, a colour textgenerator, storing MPEG4 videos and BMP images and the option of a data exchange of this information via interfaces, such as USB or Ethernet.

The **AGILIOS™** system has complemented the well known high **iPEK** standards regarding ergonomics and design and has even exceeded these in several points. **AGILIOS™** is robust and offers an easy and self-explanatory handling, great stability at key points and combines all components in the overall design into one unit. It is our goal to build a functional and attractive system so that you can start your inspection with the highest efficiency and maximum flexibility.



PTP70 Pan & Tilt Push Camera

The pan & tilt push camera **PTP70** is based on the **PipeBus®** technology by **iPEK**. More key features were added to the excellent optical characteristics for the use with the **AGILIOS™** system.

- Built-in location transmitter for precisely determining the inspection position.
- Suitable for the best bend manoeuvrability for all pipes from DN100.
- Auto-Upright function of the camera can be activated.
- Optimised illumination on the inspection area.
- Mechanical protection of the underside.

AC42 Axial Camera

We are offering the axial camera **AC42** as an option for the **AGILIOS™** system to secure easy and quick inspections. The **AC42** is of a high quality construction, has the well-known **iPEK** optic and an ultra-bright LED-light. The axial camera **AC42** is therefore the perfect accessory.





VC200 – The Compatible Control Panel

The new **VC200** control panel was developed based on the inspectors experiences of the **VC100 (AGILIOS™)** system). It will be the central control panel in the **iPEK** product range and therefore our base for the future.

The **VC200** control panel offers best views on a daylight presentable 800 x 600 touch screen with interactive options, a virtual keyboard and intuitive control elements, which are unrivalled.

Furthermore it offers functions in its interior, which are requirements in today's inspections. This includes MPEG4 video recordings as well as coloured text-generator. Preprogrammed makros (e.g. deviation of pipe collars and diverse camera positions) can be started automatically. This saves time and improves your inspection. All inputs will be entered only through the **VC200**, making it the heart of your inspection.

VISIONREPORT

To serve the task of processing data fast, **iPEK** developed their own customized software, **VISIONREPORT**, for running the **VISIONCONTROL** control panel. This is especially designed for the touch screen interface and enables an intuitive finger response without any additional gear. By using the integrated industry standard catalogues it is possible to record inspection data with predefined short cuts and descriptions allowing all collected data to be saved into one project file. Later on you can transfer this via USB or your local network to your workstation. To create protocols of your inspection data **iPEK** provides you with the free **VISIONREPORT** viewer. Additionally you can import all projects into the well known software **WINCAN V8** and use all of its functionality.

To extend the features that are well proven with the **AGILIOS™** system, **iPEK** upgraded **VISIONREPORT** with a crawler control and displays for surveillance. Important system values are therefore permanently shown on screen. You will have everything in your inspection view that you need to know for safe inspections.

SYSTEM-CONFIGURATION & ACCESSORIES



PTP70
Pan & Tilt Push Camera



AC42
Axial Camera

AGILIOS™



AGILIOS
Pan & Tilt Push Camera System



VC200
Control Panel

VISIONCONTROL
VISIONREPORT

ROVION®



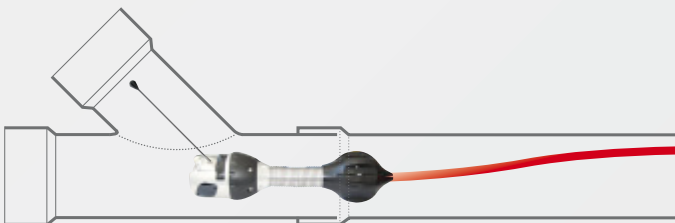
RX130
Crawler

Combinations And Peripheral Devices

With the new **VC200** it is possible to operate the **AGILIOS™** system as well as the new **ROVION®** system. By using the **VC200** you will get the newest software version of **VISIONREPORT** and the possibility to combine your system with **ROVION®**.

Guiding Device For PTP70

The guiding device of the **PTP70** provides you with unrestricted and versatile inspection options. Simply insert the guiding device into a branch by moving the camera head. The camera head now automatically follows the new course of the pipe when pushed.



Roll Slide

Roll slides are available for the **PTP70** and the **AC42** for seamlessly inserting our push camera heads into the lines to be inspected. These are assembled via the camera heads prior to the inspection and therefore secure perfect centering in the pipe and a quick process.



TECHNICAL DETAILS

Camera

PTP70	Dimensions (Ø x L) _____	75 x 239 mm	Standard _____	PAL
	Weight	1.3 kg	Pressure-Tight ____	1 bar
	Sensor resolution (for PAL)	300.000 Pxl	Light sensitivity ..	0.3 Lux
	Led light intensity (distance 200mm) ..	800 Lux		
AC42	Dimensions (Ø x L) _____	42 x 204 mm	Standard _____	PAL
	Weight	0.7 kg	Pressure-Tight ____	1 bar

Control Panel

VC100/VC200	Dimensions (L x W x H) _____	342 x 236 x 75 mm	Weight _____	2 kg
	Operating system _____	Linux	Data format ____	MPEG-4 (H.264)
	Screen	800 x 600 px / touch screen suitable for daylight		
	Interfaces	USB2.0, Ethernet		
	Storage	internal hard drive, USB Stick		

Coiler

AR90	Dimensions (L x W x H) _____	770 x 410 x 793 mm	Material _____	Aluminium
	Weight	approx. 27 kg	Cable lengths ____	30 m, 60 m, 90 m



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