

eXplorer



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PIAP

NOWOCZESNOŚĆ SKUTECZNOŚĆ DOŚWIADCZENIE



- Explorer is a camera with set of different length telescope extension arms, which makes an inspection of difficult to reach and tight spaces extremely easy.
- This device have a wide range of use: an inspection of difficult to reach and high risk tight spaces, vehicles and suspicious packages, protection, object inspection and support of counter-terrorist operations.
- Thanks to set of different length telescopic booms, the device is also limiting a danger of health and live loss.
- The view from camera is transmited to monitor in module of visualization, which is placed in special waistcoat. This solution gives an opportunity to operator easily move during the time of action.
- An operation after dusk can be easily performed with using a LED or IR lights. Explorer device gives a possibility of connecting a digital video recorder, which is sending view to other receivers.
- After separating an inspection camera, a monitor of visualisation module can be use to perform view that has been recorded before.
- Explorer is powered by service-free Li-Ion rechargeable battery, integrated with module of visualization. Special joint in module of visualization makes easy changing of batteries.



Unit standard equipment

- Telescopic booms:
 - Telescope extension arm, continuously adjustable from 0.70 m to 1.70 m.
 - Long, straight telescope extension arm - 4 m.
 - Folding telescope extension arm continuously adjustable to 4.10 m.
 - Light telescope extension arm, continuously adjustable from 0.40 to 1.65 m.



- Cameras:
 - Remote controlled inspection color camera rotating by at least 250° with powerful LED illuminators. An incorporated socket in the camera to quickly connect the camera to the telescope extension arm. Camera with standard lens makes possible an object observation for very far distances.
 - Waterproof black and white or color camera with IR illuminators (according to intensity of light camera is switching on automatically). The camera is integrated with chosen telescope extension arm.



- Visualization module:
 - LCD panel,
 - Sunscreen,
 - Power switch,
 - Camera illuminator switch,
 - Monitor brightness knob,
 - Camera motion control knob,
 - LED signaling the camera ON,
 - LED bar graph array to indicate battery charge level.



- Additional accessories:
 - A mobile wheel support, which guarantees telescopic arm's stability and make easy difficult to reach spaces (especially car chassis),
 - A digital video camera for recording view from Explorer,
 - Additional lenses (f=2.5; 2.9; 3.6; 4.0; 4.3; 6.0; 8.0).



Explorer standard

Classic, well known to experts set of camera and telescopic booms, for visual inspection of difficult to reach and tight spaces. A characteristic remote controlled camera makes easy every operation.

Explorer unit in standard version includes:

- Telescope extension arm, continuously adjustable from 0.70 m to 1.70 m.
- Remote controlled inspection color camera rotating by at least 250° with powerful LED illuminators.
- An incorporated socket in the camera to quickly connect the camera to the telescope extension arm.
- Operational waistcoat, where the visualization module is incorporated.
- Visualization module consisting of:
 - LCD panel,
 - Sunscreen,
 - Power switch,
 - Camera illuminator switch,
 - Monitor brightness knob,
 - Camera motion control knob,
 - LED signaling the camera ON,
 - LED bar graph array to indicate battery charge level.
- Power source: service-free Li-Ion rechargeable battery (integrated into the LCD panel housing; the connector enables quick battery exchange).
- Battery recharger,
- Bag for set of telescopic booms and camera with accessories and visualization module.

Unit operation time	2.5 hours
Length of standard telescope extension arm	continuously adjustable from 0.70 m to 1.70 m
Length of additional extension arm	operational length - 4.20 retracted length - 1.13 m
Weight of unit elements:	
Standard telescope extension arm	0.92 kg with camera
Visualisation module	1.81 kg
Accessory extension arm	1.35 kg with camera
Sensitivity of inspection color camera	0.3 lux
Focal length of the standard lens	3.6 mm
Available additional lens (in set is one chosen lens, and the rest is optional)	2.5, 2.9, 4.0, 4.3, 6.0, 8.0 mm

Explorer EV80

Light and handy set for inspection of difficult to reach and tight spaces.

The most important advantage is waterproof camera, which makes possible operation under the water or in high level humidity environment. Camera has IR illuminators, which automatically are switched on and off in dark area. This feature helps to continue the operation in such environment.

Explorer EV80 unit in standard version includes:

- Telescope extension arm, continuously adjustable from 0.40 m to 1.65 m.
- Inspection color or black and white camera with IR illuminators at the top.
- An incorporated socket in the camera to quickly connect the camera to the telescope extension arm.
- A pocket, where the visualization module is incorporated.
- Visualization module consisting of:
 - TFT 5 panel with high contrast,
 - Sunscreen,
 - Power switch,
 - Monitor brightness knob,
 - LED bar graph array to indicate battery charge level.
- Power source: service-free Li-Ion rechargeable battery (integrated into the LCD panel housing; the connector enables quick battery exchange).
- Battery recharger.

Unit operation time	2 hours
Length of standard telescope extension arm	continuously adjustable from 0.40 m to 1.65 m
Weight of unit elements:	
Standard telescope extension arm	0.5 kg with camera
Visualisation module	1.5 kg
Sensitivity of inspection color or black and white camera IR	0.1 lux
Available additional lens (in set is one chosen lens, and the rest is optional)	6.0 mm

The equipment of the device can be extended with other devices chosen by the client or developed at the order. It is also possible to modify the device to adapt it to the needs of individual clients.

Because of constant development of the products offered, the product presented in this brochure may differ from the one offered currently.