

# EXPLORER INSPECTION DEVICE

## CAMERA WITH TELESCOPIC BOOM

**EXPLORER inspection device** is a camera with telescopic boom dedicated to a wide range of use: an inspection of difficult to reach and high risk tight spaces, vehicles and suspicious packages, protection and object inspection and support of counter-terrorist operations.

### Standard equipment

EXPLORER device in standard version consists of the following elements:

1. Telescopic boom, with continuous adjustment range from 0,45 m to 1,55 m
2. Tele-operated inspection camera, with 180° angle of sight, equipped with strong LED illuminators and integrated output socket for fast connection of the camera to the telescopic boom.
3. Visualisation module, consisting of:
  - ✓ LCD;
  - ✓ Power button;
  - ✓ Camera illuminator switch;
  - ✓ Brightness control;
  - ✓ Camera motion control;
  - ✓ Signal LED of the camera illuminator activity;
  - ✓ LED scale of the battery charge level – each level is signaled by single LED;
  - ✓ Transmission socket for connection with boom's wire;
  - ✓ Video In/Out sockets (RCA connector, enables image recording with an external recorder – available in additional equipment set. After removal of the camera the display can be used to watch the pre-recorded material;
  - ✓ Power source – Li-Ion battery Canon BP-941/BP-945 (integrated with the display's casing, the connection enables fast battery change by bending off the locking spring, sliding the battery out of latches and taking out of the battery input socket);
  - ✓ Canon BP-941 / BP-945 battery charger;
4. Carrying case or bag, for the device and accessories.



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### Additional equipment

1. Additional telescopic boom of operational length 4,10 m (folded - 1,15 m), fully co-operating with inspection camera and visualisation module;
2. Spare battery;
3. Digital recorder (can be used to record the video from EXPLORER device camera and as a regular digital video camera);
4. Sun-protection casing;
5. Additional lens.



### Technical specification

No	Parameter	Value
1	Operation time (continuously)	ca. 2,5 h
2	Length of the standard telescopic boom	Length of the standard telescopic boom
3	Length of the additional boom (optional)	operational length – 4,10 m folded – 1,15 m
4	Weight of the elements: Standard telescopic boom Additional boom Visualisation module	0,45 kg with camera 1,35 kg with camera 1,9 kg
5	Sensitivity of the colour inspection camera	0,3 lx
6	Focal length of the standard lens	3,6 mm
7	Available/additional lens (optional)	2,5; 2,9; 3,6; 4,0; 4,3; 6,0 mm
8	Display resolution	320 x 234
9	Power	7,2V
10	Display size (diagonal)	5"
11	Output signal	PAL (no audio)
12	Operating temperature	-10°C do +50°C
13	Operating humidity	below 60%
14	Transport and storage temperature	Transport and storage temperature
15	Transport and storage humidity	below 60%
16	IP Code of the elements: - Camera with servomechanism - Camera without servomechanism - Visualisation module	IP54 IP54 IP54

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