Television Technical Endoscope
ETCAM-M

Technical specification

Main Technical characteristics

Type of working unit	flexible
The angle of deflection of the distal end in the same plane, at least	± 180°
Length of working unit (depending on the customer's needs)	500-3000 mm
Diameter of replaceable working unit (depending on the customer's needs)	8; 10; 12 mm
Color video camera 1/8"	of type CCIQ
Camera sensitivity	1 lx
Camera resolution	656x496 pix.
The focal length of the camera lens	1,85±0,05 mm
Horizontal camera viewing angle	(50±5)°
The lower limit of sharpness depth	15±2 mm
Resolution at a distance of 15 mm is equal	5±1 lines/mm
Maximum power of LED light source	3W
Built-in monitor of visualization unit 5,6" with resolution	960x234 pix.
Video output	PAL
Ability to save images	SD memory card
Power supply unit	7,2 ± 0,5 V
Power supply from 2 Li-Ion rechargeable batteries	of type 18650
Ability to power the device from an external AC adapter	9V
Time of continuous work from one set of fully charged batteries in normal climatic conditions, at least	2 hours
Preparation for operation time, up to	5 sec
Dimensions of the visualization unit	300x160x90 mm
Weight of the visualization unit, up to	0,7 kg
Weight of the complete set of products in standard package	4±0,2 kg
Protection class of working unit	IP68
Fiber working part of the instrument is made of waterproof, oil-petrol-resistant material and can operate in liquids, including flammable liquids and alcohol at a pressure of	16 kPa
Visualization unit protection class	IP65
Maximum heating temperature of the working part at a maximum ambient temperature, up to	60°C

Delivery Set

Description of goods	Q-ty
Visualization unit	1
Flexible working part	1
Rechargeable Li-ion batteries of type 18650	2
Additional Li-ion batteries of type 18650*	2
Mains adapter*	1
Charger	1
Ground wire*	1
SD memory card 8Gb	1
Cloth for cleaning optics	1
Datasheet	1
Operation Manual	1
Standard package (case)	1

*- optional

The location of controls on the visualization unit is shown on figure 1.

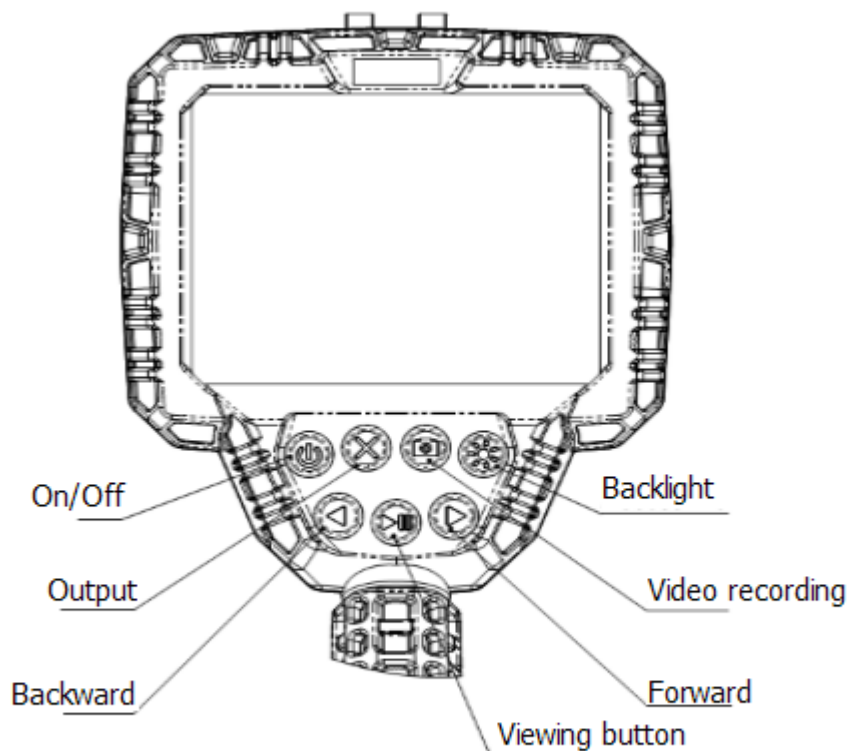Figure 1.