



Ex ia op is IIB T4 Ga

A complete and extremely robust camera system for transmission of a video signal from inside Ex-zone 0 to zone 1. The system can be used to monitor the inside of pipelines, tanks, silos, chemical production, waste and other hazardous process during production, inspection and cleaning. The system can also be used for monitoring and event control.

- Unique – **Ex-zone 0**
- Includes a powerful integrated **LED light**
- HD resolution
- Display unit – Ex zone 1
- High ingress protect for camera **IP68**
- Submersible in Crude oil (25 meters, 2 hours)
- Battery powered with up to 8h lifetime

The system comprises two parts: the Ex-zone 0 camera and the control box with display in zone 1.

The camera is mounted in a stainless steel enclosure with a glass front and is powered by an intrinsically safe power supply. As standard the unit is equipped with a wide-angle lens and a high intensity LED light.

The control box is located outside the hazardous area. It supplies the camera with intrinsically safe power and controls the light intensity, various outputs are available for various applications.



System	ESPO-6
Certificate	IECEX FTZU 23.0016X

Camera – ESPO-6.K.1	
Protection	Ex ia op is IIB T4 Ga
Ingress Protection	IP68
	Continuous submersion to 1 m
Ambient Temperature	0°C to +50°C
Ambient pressure	800-1100 hPa
Output Connection	20 m maximum length (multiple variants of connector position)
Enclosure Material	Stainless Steel
Dimensions - body	Ø 81,5 x 97,5 mm (Ø 3.22inch)
Weight	1 kg
Fixed Mounting Points	3x M8x7
Camera Resolution	HD

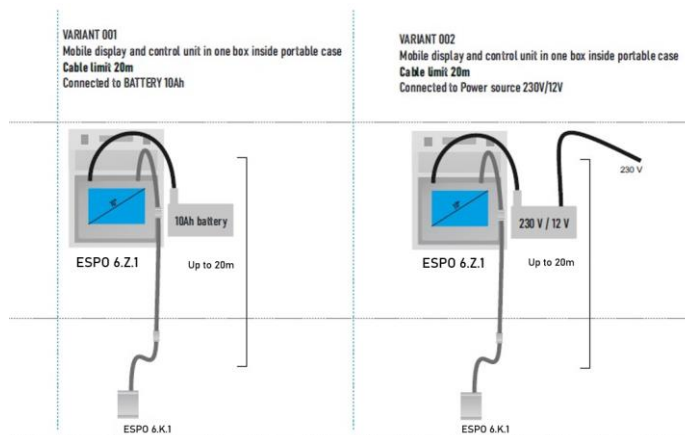


Display set – ESPO-6.Z.1	
Protection	Ex db [ia Ga] IIB T4 Gb
Ingress Protection	IP65
Output Connection	HDMI, USB
Ambient Temperature	-20°C to +50°C

Accubox (battery) – BA.10	
Protection	Ex db IIB T4 Gb
Ingress Protection	IP65
Output Connection	14,6 V DC / 10 Ah (Up to 8hours of battery life)
Nominal current.....	1.5 A
Weight	3 kg



Repeater type – ESPO 6.RP	
Protection	Ex ia IIB T4 Ga
Unit extending the wire transmission distance	



Elok reserve the right to make alterations to the technical specification without notice.