



*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.



<b>System</b>	<b>ESPO-6</b>
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	

