

ECA Group offers a new inspection camera for nuclear applications in air and water: EVO 145 HD

ECA Group introduces a new camera dedicated to the nuclear sector, combining the characteristics of a high-definition color camera while offering unparalleled radiation tolerance for this type of sensor. Hence, ECA Group is strengthening its range of inspection cameras in multiple environments and continues to meet its customers' requirements.

EVO 145 HD is an omnidirectional visualization unit for nuclear applications in air or water, integrating the features of a high-definition color zoom camera. EVO 145 HD offers a high-precision panoramic view and features intelligent software modules that enhance video quality while remaining compact and waterproof.

Specifically developed to meet the requirements of the nuclear industry, EVO 145 HD enables monitoring in restricted enclosures and capacities, tank cover inspection, supervision of fuel movements during unloading and reloading phases, fuel mapping in BK pools and process monitoring and remote handling assistance inside shielded cells. Its main features include:

- RADIATION TOLERANCE $4,5 \cdot 10^3$ Gy
- COLOR FULL HD IMAGE (1080P)
- 10x OPTICAL ZOOM
- LASER MEASURING SYSTEM
- ULTRA-RELIABLE PAN&TILT DEVICE
- PORTABLE WATERPROOF DESIGN (IP68)

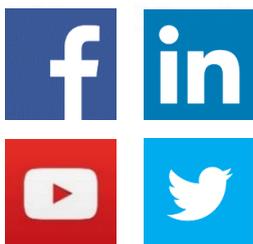
EVO 145 HD PROTECTS INFRASTRUCTURES

Its size allows it to be introduced into **restricted environments**; and its **rotation and tilting function limits the risk of collision** and damage to infrastructures, while reliably revealing and examining various objects at long distances.

Its integrated measuring device, composed of 2 straight lasers, makes it possible to measure objects with great precision and **detect an anomaly**, such as a distortion or a deformation.

Its intelligent software improves video quality by **correcting vision defects related to the environment**; notably, the software corrects the browning and distortion of the lens and filters the noise of radiation and the noise due to the temperature.

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Recognized for its expertise in robotics, automation systems, simulation and industrial processes, ECA GROUP has been developing complete, innovative technological solutions for complex missions in hostile and confined environments since 1936. Its product offering is designed for an international client base that is demanding, both in terms of safety and effectiveness. The Group's main markets are in the defense, maritime, aeronautics, simulation, industrial and energy sectors.

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