

EX270

HERNIS Explosion Proof PTZ Dome



Overview

HERNIS' EX Series are highly advanced process and surveillance camera stations that are *certified* to meet worldwide specifications for use in hazardous areas and harsh environmental conditions. In the EX270 we have succeeded in eliminating the problem of distorted optional rendering, traditionally a challenge with EX dome camera stations. Our research and engineering was focused on *correct optical rendering which resulted in a dome that allows for an astounding 36x zoom without mentionable image distortion*. The customized dome is hard-coated for *Electro-Magnetic Compatibility (EMC)*. *In practice this means that any extra safety measures during cleaning in Ex zones are now rendered superfluous*. The hard coating further adds *scratch resistance*.

The Ex270 dome is delivered in accordance with international standards. Already effective is *Ex certification* by DNV to ATEX Directive 94/9/EC and IECEx, certified as: EX II 2 G Ex d IIB+H2 T6. Ex certification is also made valid for Russia (GOST) and Brazil (INMETRO). The Ex270 Dome is also designed and tested to meet the DNV requirements for *Type Approval Certification*. Through its carefully engineered design this station is able to endure vibration and other physical forces so devastating to PTZ camera stations. Rated to IP 66 the camera station certifies protection from high-pressure water from any direction, including green sea, guaranteeing no harmful effects.

The dome offers *endless panoramic rotation and 180deg tilt with vertical image flip*. Speed; 116 degrees per second. Envision the dome being ceiling mounted in a hallway. You want to follow an object moving towards the camera, then moving past it. Without the image flip the object would appear upside down after having passed the camera. The HERNIS dome will however automatically flip the image for you once the object has passed for a natural viewing angle. The design optimises *position accuracy and in poor light conditions the camera will automatically turn to black and white* for optimal image quality. *Autofocus* further increases the user experience.

The EX270 may be used with any HERNIS CCTV control system and can be mounted standing or hanging depending on the viewport required. A single cable is sufficient to transmit data, power and video, routed directly to the control cabinet, eliminating the need for additional junction box equipment.

The fact that HERNIS is a complete systems supplier ensures that our camera stations have long design life and lifetime factory support*. The EX270 is designed to accept future software upgrade and diagnostics, remotely. The camera station may be used with any of the HERNIS control systems.

HERNIS products' long life cycle and low maintenance contributes to a minimal environmental impact so vital in today's global awareness. *24 hour technical support line available for documented systems.

Features

- Correct optical rendering
- Scratch resistant coating (EMC)
- EX certified for zone 1 (gas group IIB+H2)
- Endless panoramic rotation
- Automatic image flip
- Automatic Day/Night function
- IR sensitive
- Internal cabling
- Integrated Exe junction box
- Audio (optional)
- Auto focus with manual override
- Auto iris with manual override
- Multi-cable accommodated
- Thermoelectric heating
- Designed to accept future software upgrades remotely

Benefits

- Correct optical rendering
- No extra safety measures needed during cleaning in Ex zones
- Purpose-built and resilient
- Reduced environmental foot print
- Easy Installation
- No maintenance
- Field Serviceable
- No exposed cabling
- Accurate positioning
- Long design life