ASCENDENT

ATX Series

Explosionproof Cameras

ATEX

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Ascendent's ATX Series provides unrivaled security and reliability in even the most hazardous applications. Intrinsically safe for all atmospheric conditions they meeting even the toughest certifications. Perfectly suited for a host of industries such as gas, chemical, oil, and energy.

The Only Choice for Hazardous Environments

The ATX Series meets or exceeds all requirements for explosion proof surveillance. Reliability and complete customer satisfaction has given this series its trusted reputation world-wide. Our diverse lineup will ensure that you get the perfect camera for the job.

Extreme Environments

Our state-of-the-art optics are integrated in an industry leading IP 68 housing to handle even the most brutal environments. A heater/blower allows for operation in temperatures from -55°C to +60°C. The dual-cast stainless steel is available in both 304 and 316L standards. Electropolishing provides a microscopically smooth surface for low maintenance and a perfect appearance.

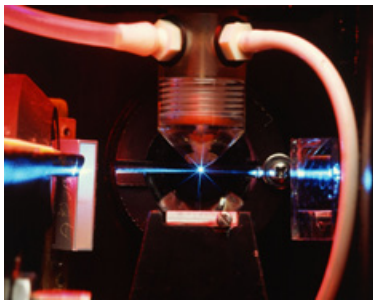
These cameras are explosion proof and meet the most rigorous standards including ExII 2GD ExdII CT6 and ExtD A21 T80C. Right from the box these cameras are easy to set up and install, allowing you to focus on getting the job done. Micro-Step motor allows for accuracy of up to 0.02° along with 360° continuous pan and tilt from -2° to 90° with integrated auto-flip. Embedded TVS surge and lightning protection prevents electrical damage and shorting.

Powerful Chipset

A 1/4" Ex-View HAD II CCD sensor delivers 600TVL color by day and 700TVL monochrome at night. A 3.5mm-129.5mm lens provides an optical zoom factor of 37X for extreme wide angle and narrow fields of view. Aerospace optics allow for 99% plus light transmission.

These cameras contain integrated OSD programming allowing customization of nearly every aspect of the camera for any application. Included are features such as wide dynamic range (WDR), highlight compensation (HLC), targeted backlight compensation (TBL), and auto white balance (AWB), as well as other image enhancing technologies.

Both analog and IP versions are available to suit any existing system. HD sensors can also be integrated into PTZ, PTZ dome, or fixed housing to ensure that you have have complete coverage in any application.



Active IR

Unlike traditional IR cameras, the ATX contains intelligent illumination that allows the optics, image sensor, lens, and mechanical IR cut filter (MICF) to work in harmony. This ensures that IR light is evenly distributed to eliminate hot-spots and washout in order to provide 24/7 performance.

Precision Engineering

Designed to be high quality, robust, and extremely rugged, providing reliable surveillance in the most demanding situations. The enclosure is 100% stainless steel and contains aerospace optics that provide 99% plus light transmission. Wipers are available in order to ensure that you get crystal clear images 24 hours a day 7 days a week.

Applications

- Petrochemical Processing
- Oil and Gas
- Marine and Offshore
- Highly Corrosive Environments
- Extreme Temperature
- Wash-down Applications
- Chemical and Pharmaceutical Plants
- Tankers and Tanker Depots
- Liquefied Natural Gas Terminals
- Fueling Stations
- Bulk Loading Stations
- Defense and Aerospace Installations
- Munitions Storage Depots
- Paint and Varnish Manufacturing Plants
- Grain Processing and Similar Industries
- Fertilizer Plants

The ATX Series meets or exceeds all requirements and has passed certifications such as Ex II 2GD Exd II CT6 and Ext DA21 T80°C. This allows for operation in areas classified as Zone 1 or Zone 2 in Group IIA, Group IIB, and Group IIC gases.

1/4" Ex-View HAD II CCD sensor delivers 600TVL color by day and 700TVL monochrome at night. Aerospace optics allow 99% plus light transmission.

Versatile and Dynamic ATEX Solutions

The ATX Series comes in three different configurations, integrated IR PTZ, PTZ dome, and fixed housing. They can be configured in analog or IP systems, and an optional high definition chipset allows for customization to suit your job.

PTZ Dome

PTZ's have the ability to pan, tilt, and zoom. This allows PTZ cameras to be extremely effective in providing coverage over large areas. If properly installed, one camera can cover the same area as multiple fixed cameras, providing you with a high ROI. Ascendent's PTZ cameras are packed with features such as presets, tours, auto-flip, and proportional pan-speed, providing unparalleled situational awareness in both manned and unmanned applications.

ATX-PTZ-37X

True Day/Night PTZ (IR)

Not only does this contain all of the features mentioned in the PTZ Dome, it also includes integrated IR LED's. These provide 600TVL color by day and crisp 700TVL monochrome at night. The IR's provide illumination allowing images to be captured in low light or complete darkness for true day/night imaging. This has a number of optional customizations such as sunshield, heater, blower, wiper, and washer making it versatile while maintaining its intrinsically safe rating.

ATX-PTZ-37X-IR

Fixed

Comes in a variety of optical payloads including boxed and zoom cameras. Fixed cameras are ideal for applications when you wish to view a specific target. Fixed cameras are a more economical solution to provide security and monitoring in hazardous applications. The fixed camera has a number of options such as sunshield, heater, blower, wiper, and washer.

ATX-FX-37X