Key Features

- Integrated plug-and-play camera system
- Extreme weather -55°C to +60°C IP 68 sealed
- Dual-layer electropolished stainless steel
- Up to 10 years of service life
- Integrated junction box for easy installation
- Surge and lightning protection
- Intrinsically safe and ATEX certified Zone 1 and 2
- ExII 2GD ExdII CT6 and ExtD A21 T80C
- Pelco D/P protocol via RS-485
- OSD program for camera customization
- Optional high resolution 37X day/night zoom camera

Specifications

Intrinsically Safe
The ATX-FX is explosion proof and ATEX certified including ExII 2GD ExdII CT6 and ExtD A21 T80C. The dual-cast stainless steel is available in both 304 and 316L for installation in hazardous environments from petrochemical processing to oil and gas (Zone 1 and 2 rated).

Precision Engineering
Designed to be high quality, robust, and extremely rugged, this camera provides reliable surveillance in the most demanding situations and comes in a variety of optical payloads including boxed and zoom cameras. Fixed cameras are ideal for applications where you wish to view a specific target. Fixed cameras are a more economical solution to provide security and monitoring in hazardous applications.

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. Electropolishing provides a microscopically smooth surface for low maintenance and long service life delivering industry leading ROI.

Customized Solution
The ATX-FX is a completely integrated system with high resolution sensor and optics. It has a number of customizations such as sunshield, heater, blower, wiper, and washer. It is suitable for applications such as marine, fueling stations, munitions storage depots, grain processing, manufacturing plants, and other hazardous and corrosive environments.

Integrated System
Continous zoom lenses are available to provide optical zoom factors up to 43X. This allows for both wide angles and narrow fields of view in order to capture large areas or specific details. Ascendent additionally offers imagers in a variety of configurations including analog, IP, HD, and SDI to suit any application.

Adaptive Light Performance
Ascendent's camera solutions offer OSD programming allowing the 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 for an off-the-shelf ATEX solution.

ASCENDENT

Physical

Construction	Dual-Layer Stainless Steel 304 or 316L
IP Rating	IP 68
Viewing Window	Aerospace Optics (φ73mm)
Standard Colors	Stainless Steel
Dimensions	151mm x 198mm x 404 mm (width x height x length)
Weight	9 kg (depending on options)
Operational Temperature	-55°C to +60°C (temperature controlled heater/blower)

Certificates

Zone	Zone 1/2 in Group IIA, Group IIB, and Group IIC gases.
ATEX	Ex II 2GD Exd II CT6 and Ext DA21 T80C

Electrical

Power Supply	AC24V, 50/60Hz
Power Consumption	Max 45W (Heater activated)
Cable Entries	2 threaded explosion proof entries
Lightning Protection	3,000 Volts

Available Options

Housing	Explosion proof housing for hazardous environments
Mounts	Wall mount
Wiper	Optional
Sunshield	Optional
Explosion Proof Wire	Made to customers requirement

Optics (ATX-FX-37X)

Lens	3.5mm-129.5mm IR corrected continuous zoom lens
Zoom	37X optical, 16X digital, (592X total)
Image Sensor	1/4" Ex-View HAD II CCD
Minimum Illumination	Color .05 Lux B/W 0 Lux (IR on)
Shutter Speed	Auto: 1/50 - 1/10,000 SEC
Resolution	600TVL (day) / 700TVL (night)
Filter	Dual MICF: (Mechanical IR Cut Filter)
IP-Pro Server (X4 Platform)	Converts analog cameras into IP addressable servers
Camera Color System	NTSC or PAL