

Superb Image Quality

The NOVA 200M-37X boasts a state-of-the-art 1/4" Ex-View HAD II CCD imager that delivers rich 600TVL color by day and crisp 700TVL monochrome images at night. It contains a 3.5mm-129.5mm lens for an optical zoom factor of 37X for extreme wide angle to narrow fields of view. This, along with the camera's 16X digital zoom gives a total of 592X zoom to capture even the most minute details at great distances.

Micro-Step PTZ Positioning

A belt-driven system and the implementation of Micro-Step technology delivers 0.01° accuracy at speeds of 200°/s. The NOVA is packed with features such as multiple-level PTZ control, presets, tours, auto-flip, and proportional pan-speed, providing unparalleled situational awareness with no blind spots. This makes the NOVA the most versatile and dynamic PTZ camera on the market.

Adaptive Light Performance

This camera contains integrated OSD programming allowing configuration of every aspect of the camera to suit any application. The OSD allows the use of wide dynamic range (WDR), highlight compensation (HLC), targeted backlight compensation (TBL), and auto white balance (AWB), as well as a host of other image-enhancing technologies. All of these features allow the NOVA to capture images in the most difficult lighting conditions.

ZLID Active Illumination

Ascendent's laser IR diode module combines ZLID technology (Zoom Laser IR Diode), quality optics, and sophisticated electronics with long-range active IR illumination greatly exceeding both performance and distance of traditional IR LED illumination. ZLID technology synchronizes IR intensity and area illumination with a motorized zoom lens for flawless active IR performance that eliminates over and under exposure for 24/7 true day/night performance.

Rugged Design

All the components are integrated in a robust IP 66 rated enclosure, constructed of high quality aluminum alloy and a thick, flat tempered glass window to withstand even the most severe assaults while maintaining an aesthetic profile. Its internal, thermostatically controlled heater/blower maintains a constant internal temperature. Even in extreme temperatures from -45°C to +60°C it offers absolute performance for the most demanding applications making it the clear choice for security professionals worldwide.



Features

- Long-range day/night PTZ surveillance solution
- Color by day and quality monochrome at night
- 1/4" Ex-View HAD II greatly increases IR light distance
- PTZ positioning, 90° tilt up to 200°/s
- Active IR performs in 0 Lux (complete darkness)
- 200m (656ft) Recognition / 150m (492ft) Identification
- 3.5-129mm IR corrected continuous zoom lens
- Accurate to 0.01° (Micro-Step Technology)
- Flawless IR with no washout or hotspots
- Up to 220 Pan-Tilt-Zoom presets with guard tours
- Adjustable EPC for auto day/night and IR activation
- Extreme -45°C to +60°C heater/blower
- Rugged IP 66, 7" housing for harsh environments
- All brackets and fastening hardware included
- Pelco D/P communication protocol via RS-485
- 37X optical zoom / 12X digital zoom = 592X total zoom
- Image Enhancers: WDR/TBL/ATW/DIS/HLC/SSNR/II
- OSD for programming configuration
- Endless high speed 360° rotation



Optics	
Lens	3.5mm-129.5mm IR corrected continuous zoom lens
Zoom	37X optical, 12X 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)
IR Illuminator	
ZLID	Zoom Laser IR Diode
Distance	200M recognition / 150M identification
Angle	5°-60°
Wavelength	810nm (940nm Stealth optional)
Communication & Presets	
Presets	220 Presets
Preset Tours	3 Preset Tours
Home Position	Yes (preset 1 or tour)
Communication & Presets	RS485
Control Protocol	Pelco-D, Pelco-P
Mechanical	
Accuracy	Less than 0.01° Micro-Step Technology
Drive Unit	Integral Micro-Step pan and tilt
Pan Angle	360° Continuous Pan
Tilt Angle	90° (Auto-Flip)
Speed Control	Closed loop electronics (0.05°~200°)
Preset Accuracy	Better than 0.1°
Proportional P/T to Zoom Position	Yes
Physical	
Construction	Extruded high strength aluminum
Viewing Window	Flat Tempered Glass
Standard Colors	Black/White
Dimensions	300mm (Height) x 215mm (Diameter)
Weight	2.7KG
Environmental	
Operational Temperature	-45°C to +60°C (temperature controlled heater/blower)
Environmental	IP 66, NEMA 4x
Electrical	
Lightning Protection	3,000 Volts
Input Voltage	24VAC (CE, ROHS, FCC)
Power Consumption	Max 40W (Heater on)
Available Options	
Alarms	4 alarm inputs, 2 alarm outputs
Housing	Explosion proof housing for hazardous environments
Mounts	Available wall or pole mounts
IP-Pro Server (X4 Platform)	Converts analog cameras into IP addressable servers
Camera Color System	NTSC or PAL