

Key Features

System

- Turnkey PTZ speed dome night vision solution featuring dual US Patented UF500 Infrared Illuminators at 730nm and 30°
- Outstanding PTZ imaging under day and dark conditions
- Designed and optimized for 350ft of active-IR night vision (or 500ft when both illuminators pointing in same direction)
- Each US Patented Even-Illumination UF500 provides a 30° beam for 180ft horizontal field of view at 350ft distance
- Weatherproof housing suitable for harsh outdoor applications
- All bracketry and power supplies included for turnkey solution

PX100 PTZ Speed Dome

- PX100 PTZ speed dome with 470 TVL LXR CCD for outstanding spectral response to infrared illumination
- Day-night mechanical IR filter technology for vivid daytime images and exceptional performance under IR
- 23x optical zoom, 10x digital zoom
- Pelco D protocol
- OSD menu with 220 presets, 8 privacy zones, 7 alarm inputs and 2 programmable auxiliary outputs

UF500 Infrared Illuminators

- Cossec² Even Illumination ensures uniform IR coverage from foreground to background and eliminates 'hot and 'cold' areas
- Low 28.6 VAC operating voltage for bulb life up to 3,000 hours

Description

The EXPB-001 Performance Bundle is a turnkey 24/7 PTZ speed dome solution using PX100's mechanical filter technology for vivid daytime imaging and dual UF500 Infrared Illuminators optimized for 350ft | 30° of active-infrared night vision per illuminator (or 500ft when both illuminators are pointing in the same direction).

Featuring Extreme's US Patented UF500 IR illuminators, the PX100 system delivers remarkably clear Even-Illumination video in total zero lux darkness. The UF500's powerful Gold Optics technology concentrates infrared light into a 30° beam spanning 180ft across the field of view at a distance of 350ft. Both UF500s are powered by a single power supply for a neater install.

The optical core the PX100 is an LXR-type CCD with day-night mechanical filter technology for vivid daytime images and excellent night-time performance under the UF500 IR Illuminators. Featuring a total zoom of 230X (23X optical and 10X digital), the camera produces 470TVL color and 550TVL monochrome images with low-smear, low-streak and excellent anti-blooming characteristics.

The vandal-resistant PX100 delivers comprehensive speed dome functionality, offering 220 presets, pan-tilt speeds from 0.5° to 300° per second, smooth, 8 privacy zone, accurate PTZ control and on-screen-display (OSD) menus for ease of use. A built-in clock can be programmed to control camera functions on a set schedule.

The EXPB-001 is an easy, effective solution for outstanding 24/7 speed dome performance. All mounting hardware is included and is designed to fit directly on the pole for simplicity. A beautiful jet black finish makes the system aesthetically uniform.

Product Image



The EXPB-001 Performance Bundle delivers Even-Illumination active-infrared night vision performance, combining all required hard ware components into a turnkey, value-added solution kit. Designed and optimized to provide a horizontal field of night vision spanning 180ft across at a distance of 350ft.

Performance Bundle Components

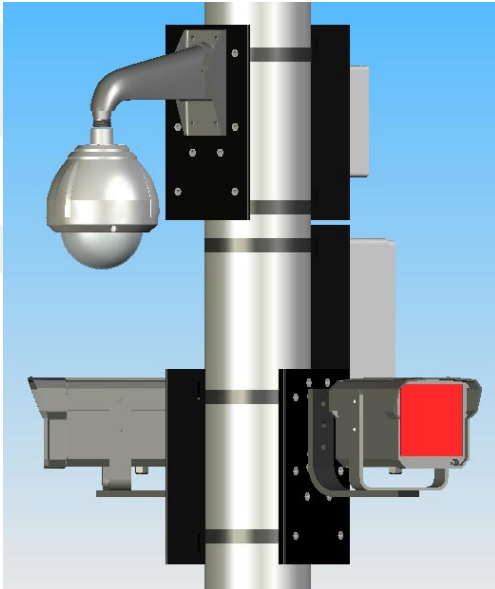
The PX100 Performance Bundle is a value-added turnkey solution that includes all required hardware for outstanding night vision.

- PX100 PTZ Speed Dome
- UF500 Infrared Illuminators (two units)
- Complete pole mount bracketry
- Power supplies
- Fastening hardware

Applications

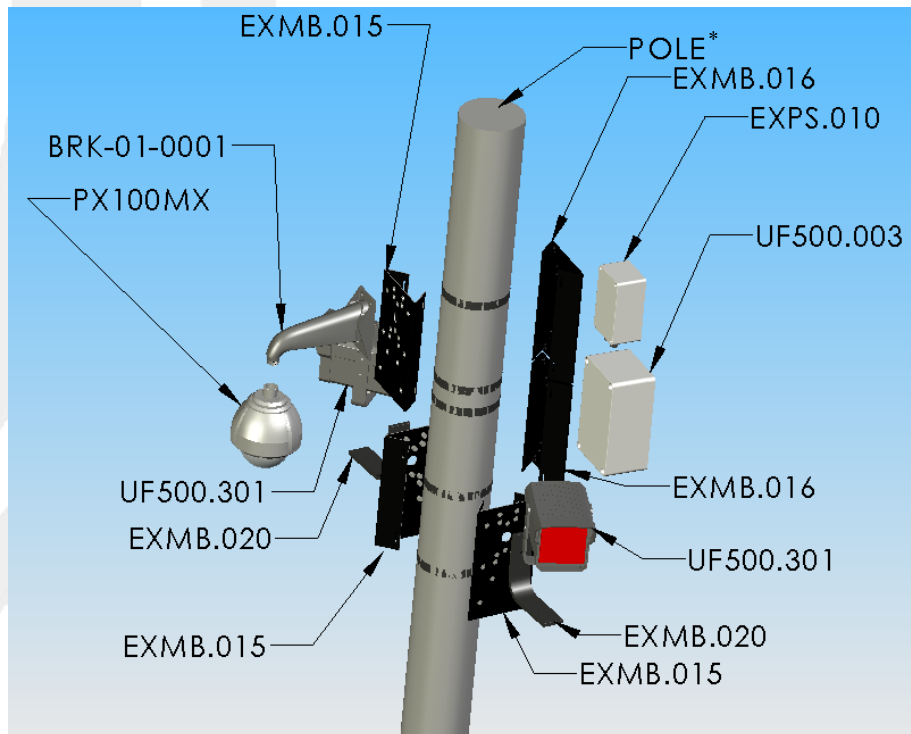
- Perimeter surveillance
- Fencelines
- Critical infrastructure
- Industrial sites
- Borders
- Power stations
- Defense sites
- Force protection
- Seaport and airport surveillance

EXPB-001 Performance Bundle Components



The EXPB-001 Performance Bundle is designed so that all system components are provided for and fit neatly on a single pole.

The value-added bundle includes all bracketry, power supplies and mounting hardware and fastening hardware.



The exploded view at left shows how all the components of the EXPB-001 fit together on a pole.

All required hardware components are included in the EXPB-001 Performance Bundle.

* Please note that the pole is not included in the EXPB.001.

Specifications: EXPB-001

PX100MX Day-Night PTZ Speed Dome	
Sensor Format	1/4" LXR CCD w/ Mechanical Filter Technology
Effective Pixel	NTSC: 768 x 494 PAL: 752 x 582
Resolution	470 TVL color 550 TVL monochrome
Daytime Sensitivity	0.08 Lux
Day-Night Switching	Automatic
S/N	Greater than 50dB
Video Output	1.0 Vp-p
Scanning System	2:1 interlacing
Protocol	Pelco D
Presets	220 configurable presets with titles
Pan Range	360° continuous
Tilt Range	90°
Preset Pan-Tilt Speed	300° per second
Manual Pan-Tilt Speed	0.5° to 160° per second
Focus and Iris	Automatic, via controller
Zoom	230x (optical 23x digital 10x)
Optical Zoom Length	3.6mm to 82.8mm
Zoom Speed	High or low
Auto-Flip	Automatic
Communication	RS-485 RS-422
Baud Rate	4800 bps
Construction	Vandal-resistant, all-weather housing
Finish	Black
Heater	Automatic start
Fan	Continuous operation
Operating Humidity	< 95% relative humidity
Input Voltage	24 VAC, 50/60Hz
Power Supply	EXPS.010
Power Consumption	50 W
Dimensions	308mm x 236mm 12.1" x 9.3"
UF500.301 Infrared Illuminators (two units)	
Radiated Output	Similar to ordinary 500 W
Viewing Range	Optimized for 350ft with PX100MX (500ft if both UF500s point in same direction)
Horizontal Field of View	180ft across at 350ft away
Optics	Optimised focus, gold optics system
Wavelength	730nm
Beam Pattern	30° Cossec ² beam
Bulb Life	Average 3,000 hours
Power Consumption	170 W (28.6 VAC, 5.8A) Max per illuminator
Color	Black
Construction	Robust aluminum casting / extrusion
Weight	4.0 kg (8.8 lbs) per illuminator
Power Supplies and Bracketry	
BRK-01-0001	PX100.MX wall bracket
EXPS.010	PX100.MX power supply unit
EXMB.016 (2 units)	Pole mount adapter for power supply units
EXMB.020 (x 2 units)	L-bracket for UF500 IR Illuminators
EXMB.015 (x 3 units)	Pole mount adaptors for PX100.MX and UF500 IR Illuminators
UF500.003	Dual-lamp power supply for dual UF500 IR Illuminators

Dealer / Distributor


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