



## EZ760 & EZ765

### True WDR IR Day/Night IP66 Bullet Camera

Based on the Sony Effio-P platform, the EZ760/EZ765 are bullet cameras providing 720 TVL from Sony's 1/3" 960H\_WD image sensor. The double scan WDR (Wide Dynamic Range) technology employed enables the camera to get detailed information from the dark part of the image without saturation from the bright part, in order to provide properly exposed images in back light situations or where the intensity of illumination can vary widely across the field of view. In low light, the Polestar® IV DSS/SENS\_UP technology can boost light sensitivity to capture useable images without ghosting down to illumination levels of .004 lux or less while working in combination with the built in IR illuminators.

The camera also provides both 2D and 3D-DNR (Digital Noise Reduction) functions which save HDD space on a connected DVR. Multiple functions including 16x digital zoom, image flip and mirror, color roll suppression, HLC, BLC, ATR-EX for WDR performance under IR illumination, digital image stabilization (DIS) and multiple privacy mask areas are supported. The embedded 35 IR LEDs provide up to 60m/195ft. viewing range in low light or no light environments. Offering dual voltage operation, a choice of lens focal lengths [2.8~12mm in EZ760 and 5~50mm in EZ765] along with locking external lens controls in an IP66 weather resistant and vandal resistant housing design with built in heater for operation down to -40°, the EZ760/EZ765 is an ideal choice for both indoor and outdoor environments.

#### Features

- 720 horizontal TV lines of Ultra clear 960H image resolution
- 1/3" SONY 960H WDR sensor at 0.03 Lux has 8x better native light sensitivity than most color cameras before DSP low light boost
- TRUE Wide Dynamic Range expansion from double speed WDR sensor delivers properly exposed images despite bright light sources, deep shadows and/or unbalanced lighting in the same scene
- Polestar® 4th generation useable light boost of 4X~8X without ghosting extends useful low light sensitivity to .004 lux or less
- True Day/Night with ICR module
- IR range of 195 feet or more from 35 LEDs (depends on scene IR reflectivity)
- Split glass to prevent internal IR reflections
- Varifocal auto iris lens with external zoom and focus adjustment – choose 2.8~12mm or 5~50mm focal range
- Adjustable 2D + 3D-Noise Reduction to improves picture clarity while enabling DVRs to reduce disk storage utilization
- Motion detection for 4 configurable zones
- Privacy mask function for 15 configuration zones
- Digital zoom up to 16x
- Digital Image Stabilization (DIS) reduces effects of mounting surface vibration on image
- Easy bottom access to locking lens controls; plus video test point and OSD menu inside separate weatherproof cover
- IP66 weather resistant with operation down to -40 degrees
- Vandal resistant
- Dual voltage operation

#### Ordering Information

- EZ760:** True WDR IR Day/Night IP66 Bullet Camera, 2.8-12mm  
**EZ765:** True WDR IR Day/Night IP66 Bullet Camera, 5-50mm

<b>Pickup Device</b>	1/3" SONY 960H_WD Dual Scan WDR CCD	
<b>Video Format</b>	NTSC	
<b>Picture Elements</b>	976 x 494 (NTSC) 976x582 (PAL)	
<b>Horizontal Resolution</b>	720 TVL	
<b>Sensitivity</b>	0.03 Lux at F=1.2	
	0.00001 Lux at F1.2/Sens-up 512x	
	0 Lux (IR on)	
<b>S/N Ratio</b>	Over 52dB (AGC off)	
<b>Electronic Shutter</b>	1/60 (1/50) ~ 1/100,000 sec.	
<b>Video Outputs</b>	Main output BNC-F; 1.0V p-p ,75ohm	
	Local test output, cable provided to BNC-F	
<b>Gamma Correction</b>	0.45	
<b>Lens Type</b>	DC Iris Vari-focal with external locking lens adjusters	
	EZ760: 2.8~12mm focal length	
	EZ765: 5~50mm focal length	
<b>Back Light Compensation</b>	Off / BLC / HLC	
<b>Auto Gain Control</b>	0~128 level adjustable (max 42dB)	
<b>White Balance</b>	ATW(1,800K~10,500K) / Push / User1 / User2 / Anti CR / Manual / Push Lock	
<b>Sync. Mode</b>	Internal	
<b>Day &amp; Night</b>	Color, Auto (EXT On / Off)	
<b>OSD Menu</b>	Yes; multiple functions	
<b>IR Emitters</b>	35 long life LEDs	
<b>IR Configuration</b>	Split glass isolation prevents internal reflections	
<b>IR Wavelength</b>	850nm	
<b>IR Distance</b>	60m / 195ft.	
<b>Smart IR</b>	Can operate when WDR is OFF; adjustable level to control IR image saturation.	
<b>2D, 3D-DNR</b>	Off / Low / MidLow / Mid / MidHigh / High (2D+3D)	
<b>WDR</b>	On / Off; ATR-EX (DWDR may be enabled if hardware WDR is set to OFF)	
	52dB WDR off; 116dB WDR on	
<b>WDR Dynamic Range</b>	Settings: off, low, midlow, mid, midhigh, high	
	ATR WD-EX On/Off (ATR-EX/DWDR may only be enabled whe hardware WDR is OFF)	
<b>Digital Slow Shutter</b>	Up to 512x; max 4X~8X recommended Selectable for AGC then DSS or DSS then AGC.*	
<b>Mirror</b>	Off / V-Flip / H-Flip / HV-Flip	
<b>Digital E-Zoom</b>	Adjustable 0~255 (1x~16x) with digital PAN/TILT	
<b>Motion Detection</b>	On / Off for 4 selectable zones	
<b>Privacy Mask</b>	On / Off for 15 selectable zones	
<b>DIS</b>	On / Off	
<b>Weather Resistance</b>	IP66 rated	
<b>Heater</b>	Yes, built-in	
<b>Vandal Resistant</b>	Yes; with locking lens adjust controls.	
<b>Power Source</b>	12VDC (regulated) or 24 VAC~	
<b>Power Consumption</b>	12VDC	375mA (IR & heater off)
		717mA (IR on, heater off) 1.21A max. (IR + Heater on) Note: provide a supply capable of 1.5~2A to power the camera at 12VDC
	24VAC	4.2W (IR & heater off)
		8.4W (IR on, heater off) 14.5W max. (IR + Heater on)
<b>Operating Temperature</b>	-40°C~-50°C / -40°F~122°F	
<b>Dimensions</b>	Inline configuration: 11.22" L x 3.49" W (body)/3.9" W (base) x 3.89" H	
	90° "L" configuration: 9.42" L x 3.49" W (body)/3.9" W (base) x 5.49" H	
	Mounting plate adds .276" onto length/height w/o gasket; .39" with gasket (base dia. 4.06" w/gasket)	
	See drawings for details	
<b>Weight</b>	3.2lbs including mounting plate and gasket	
<b>Certifications</b>	CE, FCC	