

## Day/Night Vari-focal Lenses

### ASPHERICAL DESIGN, DC AUTO IRIS, IR CORRECTED LENS

Today's lens market is rapidly changing from part-time observation (day or night) to round-the-clock surveillance. Honeywell offers a real solution to day and night surveillance applications with its line-up of DC Vari-focal Auto Iris lenses. With Honeywell Day/Night Vari-focal technology, you now have the ability to upgrade or integrate video security systems affordably.

The Honeywell Day/Night Vari-focal lenses deliver clear, sharp, color images in daylight and black and white images in darkness using near infrared illumination, without the need to refocus the lens. Advanced aspherical design engineering reduces distortion and provides accurate visual identification of subjects.

Honeywell's lenses achieve day/night lighting corrections through a combination of proprietary optical design and aspherical elements, allowing superior wide aperture performance (F0.95) in low light to capture high quality images even in horizontal-field angles up to 94 degrees.

### Market Opportunities

In addition to extraordinary low-light functionality, Honeywell Day/Night lenses are compact, lightweight and easy to install, making them perfect for use with True Day/Night cameras. The Honeywell Day/Night Vari-focal lenses are ideal in outdoor installations such as parking lots, ports, and other areas where low light imaging is important.

### Features

- Ability to provide a high contrast, clear, and detailed picture of the subject in daylight, low light and near infrared light, allowing identification of a subject rather than just observation
- Fastest maximum aperture of lens in class
- Suitable for all daylight and near infrared night time surveillance applications
- Compact, lightweight
- Quick and accurate adjustment of image field of view and focus



HLD5V50DNL



HLD27V13DNL



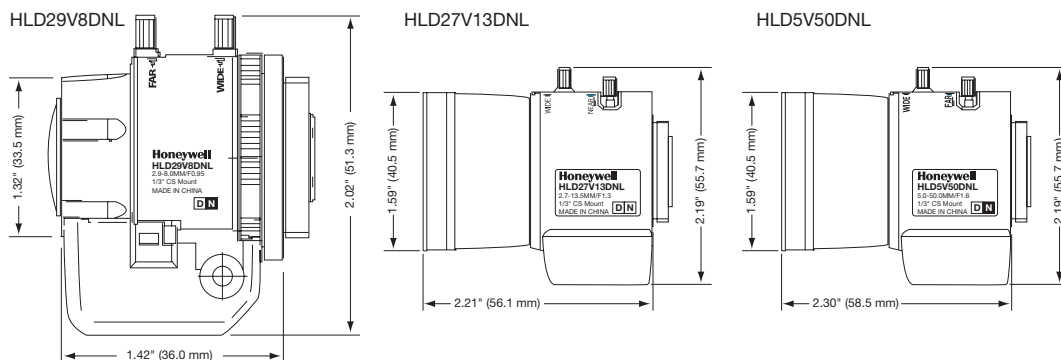
HLD29V8DNL

# Day/Night Vari-focal Lenses

www.honeywellvideo.com

## SPECIFICATIONS

Lenses		HLD29V8DNL	HLD27V13DNL	HLD5V50DNL
<b>Operational</b>				
Image Format		1/3"	1/3"	1/3"
Lens Mount		CS (Metal mount)	CS (Metal mount)	CS (Metal mount)
Focal Length		2.9 – 8.0 mm (2.7 X)	2.7 – 13.5 mm (5 X)	5.0 – 50.0 mm (10 X)
Focus Range (MOD)		1.0' (0.3 m)	1.0' (0.3 m)	1.0' (0.3 m)
Angle of View	Wide:	94° 39' x 69° 29'	99° 42' x 74° 17'	51° 17' x 39° 36'
	Tele:	35° 13' x 26° 22'	20° 37' x 15° 30'	5° 30' x 4° 07'
Back focus distance (W – T)		7.72 – 14.63 mm	8.91 – 22.5 mm	7.52 – 7.46 mm
Iris Range		F0.95 ~ T360	F1.3 ~ T360	F1.6 ~ T360
Iris Control		4-pin DC	4-pin DC	4-pin DC
Exit Pupil Position		2.80" (71 mm)	3.59" (91 mm)	5.63" (143 mm)
<b>Electrical</b>				
Coil Resistance	Drive Coil:	190 Ohms	190 Ohms	190 Ohms
	Damping Coil:	500 Ohms	500 Ohms	500 Ohms
Current Consumption (max @ DC 4V)		22 mA	22 mA	22 mA
<b>Mechanical</b>				
Dimensions (L x W x H)		1.42" x 1.32" x 2.02" 36.0 x 33.5 x 51.3 mm	2.21" x 1.59" x 2.19" 56.1 x 40.5 x 55.7 mm	2.30" x 1.59" x 2.19" 58.5 x 40.5 x 55.7 mm
Weight	Unit:	1.6 oz (45 g)	2.5 oz (70 g)	3.0 oz (85 g)
	Shipping	2.3 oz (67g)	3.5 oz (100g)	4.0 oz (115g)
Construction	Housing:	ABS plastic	ABS plastic	ABS plastic
	Finish:	Black	Black	Black
<b>Environmental</b>				
Temperature	Operating:	14°F to 122°F (-10°C to 50°C)	14°F to 122°F (-10°C to 50°C)	14°F to 122°F (-10°C to 50°C)
	Storage:	-4°F to 140°F (-20°C to 60°C)	-4°F to 140°F (-20°C to 60°C)	-4°F to 140°F (-20°C to 60°C)
Relative Humidity		Up to 90%	Up to 90%	Up to 90%
<b>Regulatory</b>				
Emissions		EN61000-6-3:2001		



Ordering	
HLD29V8DNL	2.9 - 8 mm F0.95, DC Auto Iris, IR Corrected Aspherical Vari-focal Lens
HLD27V13DNL	2.7 - 13.5 mm F1.3, DC Auto Iris, IR Corrected Aspherical Vari-focal Lens
HLD5V50DNL	5 - 50 mm F1.6, DC Auto Iris, IR Corrected Aspherical Vari-focal Lens

**NOTE:** Honeywell reserves the right, without notification, to make changes in product design or specifications.

### Honeywell Security

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