

Day / Night Vari-Focal Lenses

www.honeywellvideo.com

ASPHERICAL DESIGN, DC AUTO IRIS

Day and Night Vari-Focal Technology

Honeywell offers a real solution to day and night surveillance applications with its line-up of DC auto iris Vari-Focal lenses that 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. Our lenses achieve day/night lighting corrections through a combination of our 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

Today's lens market is rapidly changing from part-time observation (day or night) to round-the-clock surveillance. With Honeywell Day/Night Vari-Focal technology, you now have the ability to upgrade or integrate CCTV security systems affordably. The ability to view high contrast, clear, detailed images adds value to any project. Advanced aspherical design engineering reduces distortion and provides accurate visual identification of subjects in daylight, low light and near infrared light, without the need to refocus the lens. In addition to extraordinary low-light functionality, Honeywell Day/Night lenses are compact, light-weight and easy to install making them perfect for use with true day night cameras in outdoor installations such as parking lots, ports and other areas where low light imaging is important.

Benefits

Ability to see 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.

- Compact
- Price competitive
- Lightweight
- Suitable for all daylight and near infrared night time surveillance applications
- Quick and accurate adjustment of image field of view and focus

HLD29V8DNL



HLD27V13DNL



HLD5V50DNL



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SPECIFICATIONS

		HLD29V8DNL	HLD27V13DNL	HLD5V50DNL
Focal Length (mm)		2.9 ~ 8 (2.7x)	2.7 ~ 13.5 (5x)	5 ~ 50 (10x)
Iris Range		F0.95 ~ T360 (Equivalent to F360)	F1.3 ~ T360 (Equivalent to F360)	F1.6 ~ T360 (Equivalent to F360)
Angle of View (H X V)	1/3"	WIDE	94° 39' X 69° 29'	51° 17' X 39° 36'
		TELE	35° 13' X 26° 22'	5° 30' X 4° 07'
Focusing Range (From Front Of Lens) (m)		∞ ~ 0.3	∞ ~ 0.3	∞ ~ 0.3
Object Dimensions at M.O.D. (H X V) (mm)	1/3"	WIDE	671 X 428	304 X 228
		TELE	196 X 145	54 X 41
Back Focal Distance (In Air) (mm)		7.7 (W) - 14.63 (T)	8.9 (W) - 22.5 (T)	7.52 (W) - 7.46 (T)
Exit Pupil Position (From Image Plane) (m)		71	96	- 43
Mount		CS	CS	CS
Dimensions (mm)		37.2 (L) x 33.5 (W) x 51.3 (H)	58.7 (L) x 40.5 (W) x 55.2 (H)	58.6 (L) x 40.5 (W) x 55.2 (H)
Mass (g)		45	70	85
Coil Resistance		Drive Coil 190Ω Damping Coil 500Ω	Drive Coil 190Ω Damping Coil 500Ω	Drive Coil 190Ω Damping Coil 500Ω
Current Consumption		22mA (Max.) at DC 4V	22mA (Max.) at DC 4V	22mA (Max.) at DC 4V
Remarks		With Metal Mount When power is turned off, iris will automatically be closed.	With Metal Mount When power is turned off, iris will automatically be closed.	With Metal Mount When power is turned off, iris will automatically be closed.

HLD29V8DNL 1/3 2.9~8mm F/0.95 Aspherical Vari-Focal	HLD27V13DNL 1/3 2.7~13.5mm F/1.3 Aspherical Vari-Focal	HLD5V50DNL 1/3 5~50mm F/1.6 Aspherical Vari-Focal
<ul style="list-style-type: none"> • Widest range D/N Vari-Focal available in class • Fastest maximum aperture F/0.95 of any lens • Designed for use under Visible & IR light • Focus tightening mechanism separate from focusing ring for accurate setup and installation • Zoom tightening mechanism separate from zooming ring for accurate setup and installation 	<ul style="list-style-type: none"> • Widest range D/N Vari-Focal available in class • Dynamic F/1.3~360 aperture range • Designed for use under Visible & IR light • Focus tightening mechanism separate from focusing ring for accurate setup and installation 	<ul style="list-style-type: none"> • Largest zoom ratio D/N Vari-Focal available in class • Dynamic F/1.6~360 aperture range • Designed for use under Visible & IR light • Zoom tightening mechanism separate from zooming ring for accurate setup and installation

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

Honeywell Security

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