

### WideLux WDR IR Dome Camera

The VD101S-IR is a stylish dome camera that is ideal for a number of indoor applications. The Varifocal lens can be adjusted from 2.8mm to 12mm, providing wide angle to medium telephoto view.

WideLux technology is unmatched in visual quality, with exceptional high resolution, WDR and low light sensitivity. And the integrated IR LED's provide illumination to extend visibility up to 98 feet, even in total darkness.

True Day/Night performance is made possible by the mechanical IR cut filter. The transition from day to night mode is accurately detected by the integrated CDS sensor, and you can program it to switch at a designated level.

Thus the VD101S-IR makes an exceptional solution for any indoor application where you need a true, day/night camera in a low light environment.



## WideLux™



Conventional



WideLux

#### Super Low Light Performance with Multi-Scan CCD.

Conventional WDR cameras use a Double Scan CCD to extend dynamic range. However, this comes at the expense of light sensitivity, requiring twice as much light compared to a Single Scan CCD. WideLux double scans the CCD in situations requiring WDR. When the ambient lighting becomes weak, WideLux reverts back to single scan mode, doubling light sensitivity.



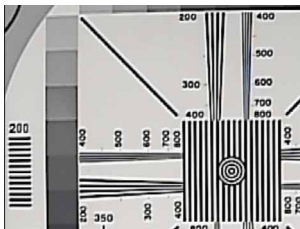
Conventional



WideLux

#### Linear Wide Dynamic Range

A normal WDR sensor has difficulty with low-contrast scenes. The non-linear process results in lower shadow detail in many scenarios. WideLux balances the wide dynamic process, retaining detail under a wider range of lighting conditions.



#### 600/650 TVL High Resolution

The WideLux Image Signal Processor employs a special timing generator that extracts the maximum detail possible from the CCD, and provides superior detail in both vertical and horizontal planes.

### WideLux Features

- 1/3" Sony Super HAD CCD II
- High Resolution 600 TVL Color, 650 TVL B&W
- 0.0001 lux min. Illumination (Sens-up)
- Super Wide Dynamic Range
- 2D/3D Digital Noise Reduction
- Electronic Image Stabilizer
- Anti-Color Rolling
- Highlight Eclipse
- Digital Image Stabilizer

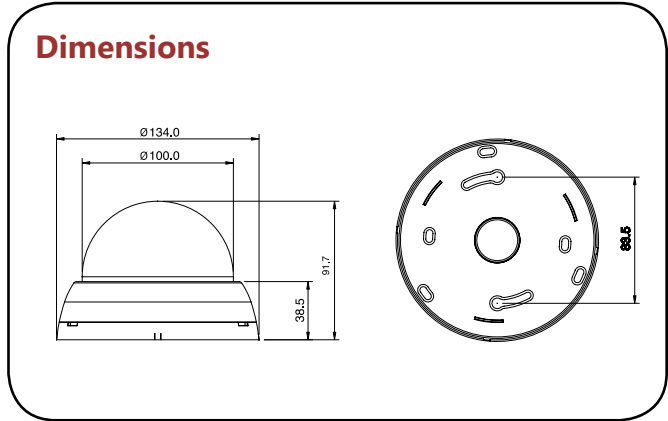
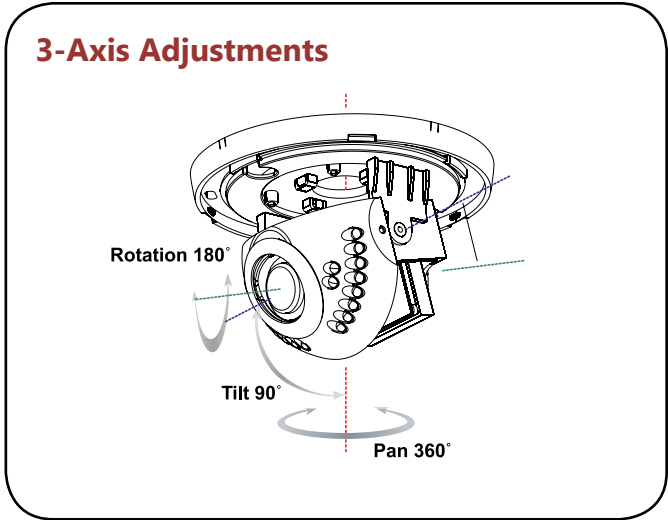
### Features

- 2.8-12mm Varifocal Lens
- IR Illumination up to 98'
- Intelligent IR Compensation
- IR Cut Filter for True Day/Night
- Optical Photo Sensor for accurate Day/Night
- RS485 & program buttons to control OSD
- 12VDC/24VAC, auto-polarity
- 3 Axis gymbal



# VD101S-IR SPECIFICATIONS

Video	
CCD Sensor	1/3" Sony Super HAD CCD II
Effective Pixels	768x494
Horizontal Resolution	600 TVL (Day) / 650 TVL (Night)
Sync	Internal
Scanning System	NTSC 525 lines; 2:1 interlace
Video Output	1.0 Vpp composite 75 ohms
Lens	2.8-12mm Varifocal
S/N ratio	>52dB (AGC Off)
Minimum Illumination	0.1 lux (Sens-up off), 0.0001 lux Sens-up
Gamma Correction	Standard $\gamma=0.45$
Smear Effect	0.005%
IR LED	850nm @ 30 degrees
IR Beam Distance	98' (30M)
Connectors/Switches	
Main Video Output	BNC x 1, 1.0Vpp, 75 ohm, composite video
Service Video Output	BNC x 1, pigtail cable with pcb plug
RS485	2 wire pigtail, Pelco P Protocol
Other	
Power Requirements	12VDC/24VAC dual voltage, auto-polarity 12VDC 420mA max 24VAC 180mA max
Operating Temperature	14F-122F (-10C-+50C)
Humidity	Within 90% RH
Dimensions	103mm x 92mm (Diameter x Height)
Weight	850 grams
WideLux OSD Features	
Camera Title	15 Char. alphanumeric, adjustable position
Automatic Gain Control	Off/Low/Middle/High
Shutter	1/160-1/90,000 sec/A. FLK/Off/Auto/X2-X512
Sens-Up	Off/Auto 2x-Auto 512x
WDR/BLC/ECLPS	WDR: Low/Middle/High (Highlight) Eclipse: Programmable BLC: Low/Middle/High
White Balance	ATW/Push Lock/Manual/Col-Roll
Digital Noise Reduction	2DNR/3DNR programmable
Effects	Digital Zoom: 1x-6x Image Freeze: On/Off D-Effect: Off/Rotate/Mirror/V-Flip
Motion Detection	8 Programmable Zones
Privacy Mask	8 Programmable Zones
Language	English/Francais/Espanol/Russian/Korean
Digital Stabilizer	On/Off
RS485	Pelco D, Programmable



## VD101S Series Feature Matrix

Model	Description
VD101S-VFAL12	WideLux Indoor Dome Camera
VD101S-VFAL12IR	WideLux Indoor IR Dome Camera

Design and specifications are subject to change without notice.

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