

**D-vigilant**  
digital your life

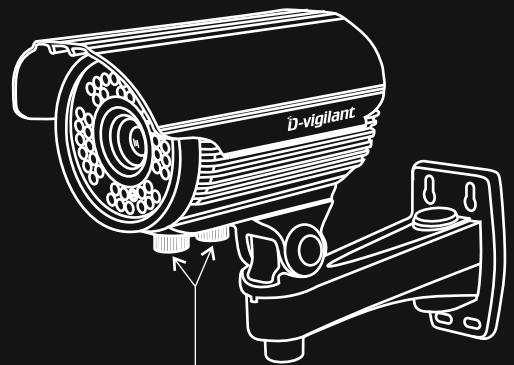


# V70, V71

**420TVL ~ 700TVL**  
**V70 & V71 SERIES IR BULLET CAMERA**

SONY 1/3" Super HAD CCD II™  
SONY 1/3" Ex-View Super HAD CCD II™  
420TVL ~ 700TVL Resolution  
4~9 mm Vari-Focal Lens (2.9~12 mm Lens Optional)  
0 Lux with IR on  
OSD Setup  
WDR, SMART IR, DNR...

[www.dvigilant.com](http://www.dvigilant.com)



Users can adjust the focus with the two screws  
on the housing to get a clear image.

# 420TVL ~ 700TVL V70 & V71 SERIES IR BULLET CAMERA

## ■ HIGH RESOLUTION (600 & 700 TVL)



CONVENTIONAL CAMERA



HIGH RES. CAMERA

## ■ DNR (Dynamic Noise Rejection)



DNR OFF



DNR ON

## ■ SMART IR



SMART IR OFF



SMART IR ON

## ■ WDR (Wide Dynamic Range)



WDR OFF



WDR ON

## ■ BLC (Back Light Compensation)



BLC OFF



BLC ON

## ■ AGC (Auto Gain Control)



AGC OFF (Day time low light)



AGC ON (Day time low light)

## ■ TECHNICAL SPECIFICATIONS

Model	V70-SSSN-i42 V70-SSSP-i42 V70-HSSN-i42 V70-HSSP-i42	V71-SSSN-i72 V71-SSSP-i72 V71-HSSN-i72 V71-HSSP-i72	V70-HNBN-i42 V70-HNBP-i42 V70-UNBN-i42 V70-UNBP-i42	V71-HNBN-i72 V71-HNBP-i72 V71-UNBN-i72 V71-UNBP-i72	V70-VEEN-i42 V70-VEEP-i42	V71-VEEN-i72 V71-VEEP-i72
<b>System</b>	N = NTSC, P = PAL					
<b>Image Sensor</b>	SONY 1/3" Super HAD CCD II				SONY 1/3" Ex-View Super HAD CCD II	
<b>Lens Type</b>	4-9mm Vari-Focal Lens (2.9-12 mm Lens Optional)					
<b>Scanning System</b>	2:1 Interlace					
<b>Scanning Frequency (H)</b>	15734 Hz (NTSC), 15625 Hz (PAL)					
<b>Scanning Frequency (V)</b>	59.94 Hz (NTSC), 50.00 Hz (PAL)					
<b>Sync. System</b>	Internal					
<b>Signal System</b>	525 Lines (NTSC), 625 Lines (PAL)					
<b>Total Pixels</b>	270K (NTSC), 320K (PAL) = 420TVL 410K (NTSC), 440K (PAL) = 480TVL / 600TVL			480K (NTSC), 570K (PAL) = 700TVL		
<b>S/N Ratio</b>	More Than 48 dB (AGC OFF)			More Than 52 dB (AGC OFF)		
<b>Gamma</b>	— 0.45 Default, Selectable with OSD					
<b>Resolution</b>	V70-S / V71-S = 420TVL, V70-H / V71-H = 480TVL, V70-U / V71-U = 600TVL, V70-V / V71-V = 700TVL					
<b>Video Output Level</b>	1.0 Vp-p (75 Ohms, Composite)					
<b>Focus Mode</b>	Manual					
<b>Min. Illumination</b>	OLux with IR on					
<b>White Balance</b>	AUTO			ATW1 / ATW2 / MANUAL / AWC-SET Adjustable with OSD		
<b>AGC</b>	AUTO			AGC Level Adjustable with OSD		
<b>BLC</b>	AUTO			64 Windows Adjustable with OSD		
<b>Exposure (AE/ME)</b>	—			AUTO/MANUAL Adjustable with OSD [1/50 (1/60) to 1/120,000]		
<b>Day/Night Switching Delay</b>	—			1~63 Sec. Adjustable with OSD		
<b>Mirror</b>	—			On/Off Adjustable with OSD		
<b>Flicker Free Mode (Shutter Fixed)</b>	—			Shutter Fixed Mode to 1/120 (PAL) & 1/100 (NTSC) Adjustable with OSD		
<b>Pro. Functions Access</b>	—			Five-way Switch OSD Control		
<b>Motion Detection</b>	—			4 Areas Selectable and Remote Control		
<b>Privacy Mask Function</b>	—			ON/OFF (8 Programmable Areas)		
<b>Lens shade compensations</b>	—			ON/OFF Adjustable		
<b>D-WDR (WDR)</b>	—			Digital WDR ON / OFF		WDR ON / OFF
<b>Video O/P selection</b>	—			CRT LCD and USER selectable		
<b>Sharpness</b>	—			Sharpness Level Adjustable with OSD		
<b>IR LED</b>	i42 = IR Camera, 42 LED (5mm), i72 = IR Camera, 72 LED (5mm)					
<b>Current Consumption</b>	V70 = 105mA / 12V DC (465mA / 12V DC with IR on) V71 = 105mA / 12V DC (580mA / 12V DC with IR on)					
<b>Power Supply</b>	DC 12V ± 1V					
<b>I/O Connector</b>	Video Output: Molded (Pig Tail) BNC Connector and 12V DC Input: DC Socket					
<b>Operating Temp</b>	-10 °C ~ +50 °C (14 °F ~ 122 °F)					
<b>Dimensions</b>	V70 = 117 mm (L) X 83.5 mm (W) X 80.5 mm (H), V71 = 120.5 mm (L) X 101 mm (W) X 94.5 mm (H)					
<b>Weight</b>	Approx. 785g   Approx. 975g		Approx. 790g   Approx. 980g		Approx. 790g   Approx. 980g	

\* "Super HAD CCD II & Ex-View Super HAD CCD II" are trademark of Sony Corporation.

## ■ DIMENSIONS

