

D-vigilant
digital your life



V20, V40

**420TVL ~ 700TVL
V20 & V40 SERIES VANDAL DOME CAMERA**

SONY 1/3" Super HAD CCD II™
SONY 1/3" Ex-View Super HAD CCD II™
420TVL ~ 700TVL Resolution
3.6 mm Fixed Lens (V20)
4~9mm Vari-Focal Lens (2.9~12mm Lens Optional) (V40)
0.01 Lux@F1.2, 0 Lux with IR on
OSD Setup
WDR, SMART IR, DNR...

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Vandal resistant dome cameras.

■ 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	V20-SSSN V20-SSSP V20-HSSN V20-HSSP	V40-SSSN-i24 V40-SSSP-i24 V40-HSSN-i24 V40-HSSP-i24	V20-HNBN V20-HNBP V20-UNBN V20-UNBP	V40-HNBN-i24 V40-HNBP-i24 V40-UNBN-i24 V40-UNBP-i24	V20-VEEN V20-VEEP	V40-VEEN-i24 V40-VEEP-i24
System	N = NTSC, P = PAL					
Image Sensor	SONY 1/3" Super HAD CCD II *				SONY 1/3" Ex-View Super HAD CCD II **	
Lens Type	V20 = 3.6 mm fixed Lens, V40 = 4~9mm Vari-Focal Lens (2.9~12 mm Lens Optional)					
Scanning System	2:1 Interlace					
Scanning Frequency (H)	15734 Hz (NTSC), 15625 Hz (PAL)					
Scanning Frequency (V)	59.94 Hz (NTSC), 50.00 Hz (PAL)					
Sync. System	Internal					
Signal System	525 Lines (NTSC), 625 Lines (PAL)					
Total Pixels	270K (NTSC), 320K (PAL) = 420TVL 410K (NTSC), 440K (PAL) = 480TVL / 600TVL			480K (NTSC), 570K (PAL) = 700TVL		
S/N Ratio	More Than 48 dB (AGC OFF)			More Than 52 dB (AGC OFF)		
Gamma	— 0.45 Default, Selectable with OSD					
Resolution	V20-S / V40-S = 420TVL, V20-H / V40-H = 480TVL, V20-U / V40-U = 600TVL, V20-V / V40-V = 700TVL					
Video Output Level	1.0 Vp-p (75 Ohms, Composite)					
Focus Mode	Manual					
Min. Illumination	0.01Lux@F1.2, 0Lux with IR on					
White Balance	AUTO		ATW1 / ATW2 / MANUAL / AWC-SET Adjustable with OSD			
AGC	AUTO		AGC Level Adjustable with OSD			
BLC	AUTO		64 Windows Adjustable with OSD			
Exposure (AE/ME)	—		AUTO/MANUAL Adjustable with OSD (1/50 (1/60) to 1/120,000)			
Day/Night Switching Delay	—		1~63 Sec. Adjustable with OSD			
Mirror	—		On/Off Adjustable with OSD			
Flicker Free Mode (Shutter Fixed)	—		Shutter Fixed Mode to 1/120 (PAL) & 1/100 (NTSC) Adjustable with OSD			
Pro. Functions Access	—		Five-way Switch OSD Control			
Motion Detection	—		4 Areas Selectable and Remote Control			
Privacy Mask Function	—		ON/OFF (8 Programmable Areas)			
Lens shade compensations	—		ON/OFF Adjustable			
D-WDR (WDR)	—		Digital WDR ON / OFF		WDR ON / OFF	
Video O/P selection	—		CRT LCD and USER selectable			
Sharpness	—		Sharpness Level Adjustable with OSD			
IR LED	i24 = IR Camera, 24 LED (5mm)					
Current Consumption	V20 = 90mA/12V DC, V40 = 110mA / 12V DC (285mA / 12V DC with IR On)					
Power Supply	DC 12V ± 1V					
I/O Connector	Video Output: Molded (Pig Tail) BNC Connector and 12V DC Input: DC Socket					
Operating Temp	-10 °C ~ +50 °C (14 °F ~ 122 °F)					
Dimensions	148.5 mm (Base Diameter) X 80.0 mm (H)					
Weight	Approx. 785g	Approx. 915g	Approx. 790g	Approx. 920g	Approx. 790g	Approx. 920g

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

■ DIMENSIONS

