

Vandal-Proof!



Various add-ons, outdoor applications with installation brackets
Robust Vandal-Proof Dome Camera **SVD-4600**



Multi-language OSD

The SVD-4600 allows easy and convenient OSD menu setting by supporting multiple languages, including Spanish, French, German, Italian and Chinese.



Enhanced Motion Detection & Privacy Masking

The SVD-4600 allows the user to configure up to 8 areas for motion detection in desired colors and forms and to use the Zoom function along with motion detection. The user can also specify up to 6 different colors for privacy masking areas.



Installation brackets for various applications

The SVD-4600 comes with installation brackets that are intended for various applications including wall, ceiling or corner mounting. Because it does not require any extra housing for outdoor application, it can be installed in any place easily at an affordable cost.



Applications for public safety facility, government & public offices, police stations

The SVD-4600 is the perfect choice for a video security system at government & public offices, police stations, and detention or public safety facilities.



High Resolution WDR Vandal-Proof Dome Camera

SVD-4600



Specifications

	SVD-4600N	SVD-4600P
ELECTRICAL		
Input Voltage	Dual (12V DC/ 24V AC)	
Power Consumption	Max. 3.5W	
VIDEO		
Imaging Device	1/3" Vertical double density interline CCD	
Total Pixels	811(H) x 508(V)	795(H) x 596(V)
Effective Pixels	768(H) x 494(V)	752(H) x 582(V)
Scanning System	2 : 1 Interlace	
Synchronization	Internal	
Frequency	H : 15.734KHz / V : 59.94Hz	H : 15.625KHz / V : 50Hz
Horizontal Resolution	Color : 560TV lines (Min.) / B/W : 700TV lines (Min.)	
Min. Illumination	Color : 0.3Lux (50 IRE@F1.2), 0.001Lux (Sens-up, 256X) B/W : 0.01Lux (50 IRE@F1.2)	
S / N (Y signal)	52dB	
Video Output	CVBS : 1.0Vp-p / 75Ω	
LENS		
Zoom Ratio	3.6X (Manual)	
Focal Length	2.8 ~ 10mm (F1.2)	
Max. Aperture Ratio	1 : 1.2(Wide) ~ 2.8(Tele)	
Min. Object Distance	0.2m (0.66ft)	
Angular Field of View	H : 94.4°(Wide) ~ 28°(Tele) / V : 69.2°(Wide) ~ 21°(Tele)	
Focus	Manual	
Iris Control	Auto	
PAN / TILT / ROTATE		
Pan Range	0° ~ 340°	
Tilt Range	0° ~ 146°	
Rotate Range	0° ~ 340°	
OPERATIONAL		
On Screen Display	Built-in (Multi-language support)	
Camera Title	On / Off	
Day & Night	Auto (ICR) / Color / B/W	
Backlight Compensation	WDR / BLC / HLC / Off	
Dynamic Range	52dB	
Motion Detection	On / Off (Output via communication)	
Digital Image Stabilization	On / Off	
Privacy Masking	On / Off (8 Programmable zones)	
3D Noise Filter (SSNR)	Low / Middle / High / Off	
Sens-up (Frame Integration)	Auto / Off (Selectable limit ~ 256X)	
Gain Control	Low / High / Off	
White Balance	ATW (Indoor/Outdoor) / AWC / Manual	
Electronic Shutter Speed	Fixed (1/60 / Flickerless)	Fixed (1/50 / Flickerless)
Communication	RS-485	
Protocol	STW, Pelco-D	
Flip	On / Off	
Mirror	On / Off	
Freeze	On / Off	
ENVIRONMENTAL		
Operating Temperature / Humidity	-10°C ~ +50°C / 20% ~ 80% RH	
Storage Temperature / Humidity	-20°C ~ +60°C / 20% ~ 95% RH	
MECHANICAL		
Dimension (WxH)	Ø148 x 126mm (Ø5.83" x 4.96")	
Weight	1.3Kg (2.87 lb)	
Ingress Protection	IP66	

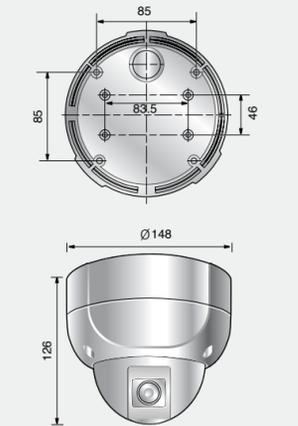
* IP66 (Ingress Protection) - Fully supported with proper camera installation



The Eco mark represents Samsung Techwin's will to create environment-friendly products, and indicates that the product satisfies the EU RoHS Directive.

Dimensions

Unit : mm



Accessory



Design and specifications are subject to change without notice.

SVIV

Impact-Proof

Only the **strong** survive...



Newly Enhanced Varifocal Lens
SVD-4600

imagine Tough Dome with Super Vision

The SVD-4600 is a tough vandal-proof dome camera that consists of a die-cast dome body and a polycarbonate dome cover. It has Samsung Techwin's 4th generation DSP chipset SVIV built in to give ultra low light imaging at 0.3Lux, ICR Day & Night, and 128X WDR features. It is a versatile dome camera for indoor/outdoor applications, that provides enhanced additional features such as multi-language OSD and DIS digital image stabilization.



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SAMSUNG TECHWIN



A robust dome camera overcomes harsh weather conditions, shocks and image blurring!

Super Strength

High Resolution WDR Vandal-Proof Dome Camera

SVD-4600



1 Vandal-Proof!

Super Solidity

Incredible durability with high strength aluminum and polycarbonate!



2 Weather-Proof!

Dust and Waterproof

International IP66 specification certified, stable performance even in rainstorms and dusty locations, outdoor application supported without any extra housing!



3 Noise-Proof!

No Low Light Noise, Superb Image Quality

Highly efficient DNR through 3D filtering enabled by the 4th generation DSP SVIV, superb image quality (560TV lines for color, 700TV lines for B/W)!

SVIV
Powerful DSP Engine



Versatile high quality imaging with state-of-the-art SVIV DSP! High Resolution WDR Vandal-Proof Dome Camera, SVD-4600



Excellent impact-resistance through die-cast aluminum body!
Enhanced stability with certified dust and waterproof features.

The SVD-4600 is a tough vandal-proof dome camera that consists of a die-cast dome body and a polycarbonate dome cover. It has Samsung Techwin's 4th generation DSP chipset SVIV built in to give ultra low light imaging at 0.3Lux, ICR Day & Night, and 128X WDR features. It is a versatile dome camera for indoor/outdoor applications, that provides enhanced additional features such as Multi-language OSD and DIS image shake correction.



Ultra High Resolution of 560TV Lines

The SVD-4600 is equipped with SVIV to give the world's best horizontal resolution of 560TV lines for color and 700TV lines for B/W, providing excellent image quality.

EIAJ Test Chart



Conventional Camera

SVD-4600



128X WDR Backlight Compensation

The SVD-4600 enables 128X better WDR backlight compensation by finding and compensating the best blending ratio of shutter speeds through the application of pixel-unit precision image analysis technology.



WDR Off

WDR On



Ultra Low Light Imaging at 0.3Lux, SSNR II

While the excellent light detection capability of SVD-4600 enables ultra low light imaging at 0.3Lux, its 3D filtering noise reduction technology SSNR II enhances low light image quality even further.



Conventional Camera

SVD-4600



ICR Type Day & Night

Automatic filter change (ICR) Day & Night function gives optimal image quality in response to illumination changes.



Day

Night



Built-in 3.6X Varifocal Lens Newly Enhanced

Equipped with a 2.8 ~ 10mm 3.6X variable focus lens, the SVD-4600 allows the user to adjust the viewing angle freely based on the installation setting. Also, the dome base rotates around 3-Axis, optimal image quality is ensured even when the camera is installed on a wall or angled surface.



3.6X Zoom



Ceiling

Wall

Slope



Vandal-proof and High Strength Dome

Since the SVD-4600 is encased in a die-cast aluminum body and polycarbonate dome cover, it is unbreakable, even under an 8Kg impact, showing excellent durability.



Impact Test



IP66-certified Dust and Waterproof

Certified with the international dust/water proof standards IP66, the SVD-4600 prevents the operational failure or rapid aging which can occur due to rainstorms or tiny dust particles.



DIS Image Shake Correction

The SVD-4600 ensures effective compensation for camera shake caused by abrupt weather changes or severe wind through its Digital Image Stabilization (DIS).



DIS Off

DIS On



Built-in BLC for optimized backlight blocking by area

The SVD-4600 sets a backlight blocking zone that is optimised for the user environment through an intelligent User BLC function.

