

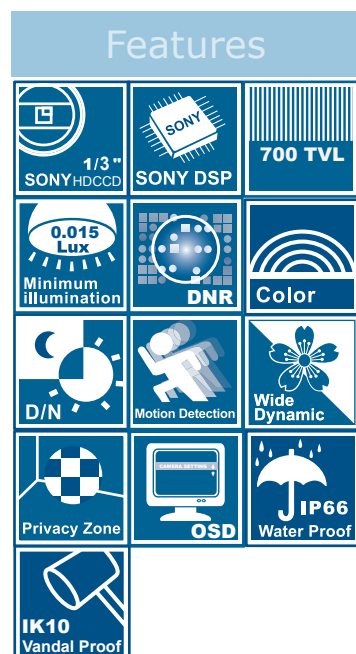
SDF418

700 TV Lines Color Dome For Crystal Clear Images

1/3" Sony Exview HAD CCD II/DSP, 700TVL, 3.7~12mm F1.4 vari-focal lens, digital day/night, WDR, DNR, motion detection, privacy zone, OSD, IP66, IK10



The SDF418 is a compact dome camera that adopts MESSOA's exclusive Lumii™ III technology to delivering high-resolution image (in 700 TVL) and outstanding sensitivity of 0.015 lux. It is a vandal-resistant dome designed for either indoor or outdoor use. The stylish housing offers great look in your surveillance sites. The camera also provides a rich set of features to facilitate installations, such as dual voltage for power source flexibility and 3-axis design for different installation locations.



■ Lumii™ III Technology

The SDF418 utilizes the superior 1/3" Sony CCD to deliver a high resolution of 700 TV lines. The image processing capability is further enhanced by our Lumii™ III technology to deliver 12-bit sharper and clearer images than typical 700 TVL cameras. Even in the ultra low light conditions, Lumii ensures that SDF418 remains high resolution images without blur.

■ Noise Reduction

Noise reduction is a powerful method for reducing image noise that produces extremely clear images even in very dim lighting conditions. Noise reduction cuts image size, reducing storage-space requirements and back-end costs.

■ Wide Dynamic Range

Wide dynamic range optimizes an image to ensure that dark areas are more visible while retaining detail in bright areas. WDR is ideal for scenes where objects are difficult to recognize due to severe backlight or shadows. Places like bank entrances tend to be under lit or over lit. A typical camera would produce an image where a person in the dark area could hardly be recognized, whereas WDR cameras produce clear details not only of the person in the foreground but also of the background.

■ Multi-Language OSD Menu

The SDF418 has a multi-language OSD menu including English, Japanese, German, French, Russian, Portuguese, Spanish, and Simplified Chinese. Users can quickly set up and adjust camera functions within seconds.

■ Vari-Focal Wide Range Capture

The SDF418 features the top tier vari-focal 3.7~12mm lens. It offers maximum flexibility in installation locations. It is ideal for monitoring small areas such as ATMs, elevators, entrances, as well as larger sites such as retail stores, banks and offices.

■ 3-Axis Camera Mount

With 3-axis mount support, the SDF418 provides flexible installation on a ceiling or wall even at an angle. The camera's pan, tilt and panoramic rotation capability making it an ideal solution for wide-area surveillance.

■ AC Line Lock Capability

The camera features an AC line lock for synchronization. In multi-camera operations, the AC line lock synchronizes all cameras connected to the same power line. This prevents the video from rolling vertically when switching between cameras.

■ Dual Voltage for Flexible Power

The camera supports two types of power operation: 24V AC or 12V DC. The camera automatically adapts to whichever power source is used, making installation fast on any power system.

■ Completely Vandal-Proof

The camera is IK10-rated impact-resistant, meaning it withstands the impact of 20 Joules. It protects the camera against extreme vandalism, making it perfect for outdoor surveillance.

Specification

Image System	
Image Pickup Device	1/3" SONY Exview HAD CCD II
Effective Pixels (HxV)	976 (H) x 494 (V)
Signal System	NTSC
Scanning System	2:1 Interlace V: 59.94 Hz, H: 15.734KHz
Electric	
Sync System	Internal/Linelock
Horizontal Resolution	700 TV lines
Built-in Lens	f=3.7~12mm, F1.4 DC iris varifocal
View Angle	Horizontal:76.9°(wide) ~ 22.7°(tele), Vertical:56.8°(wide) ~ 17.°(tele)
Gamma Correction	0.45
Minimum Illumination	F 1.4, 0.03 lux@50 IRE, 0.015 lux@30 IRE
S/N Ratio	More than 50dB (AGC off)
Gain Control	On / Off (selectable)
White Balance	ATW/ Manual/ User/ Push/ Push lock
Electric shutter	1/60 sec
Flickerless	On / Off (selectable)
BLC	Off/ BLC/ HLC (high Light Compensation) (selectable)
Day/Night Mode	Digital Day/Night
DNR	Yes
Motion Detection	Yes, 4 areas (max)
Privacy Mask	Yes, 8 zones (max)
High Light Compensation	Yes
ATR*	On / Off (selectable)
OSD	Yes
Multi Language	English, Japanese, German, France, Russia, Portugues, Spanish, Simplify Chinese
Video Output	1Vpp composite output, 75 ohm
Power Supply	
Power Requirement	DC 12V & AC 24V ± 10%
Power Consumption	2.5W Max
Environment	
Operating Temperature	-10°C ~ 50°C
Operating Humidity	90% MAX
Storage Temperature	-20°C ~ 60°C
Storage Humidity	70% MAX
Mechanism	
Dimension(WxLxH)	131 x 132 x 112 mm (5.16" x 5.20" x 4.41")
Weight	750g (1.66 lb) approx.
Protection	IK10 Vandal-resistant, IP66
Ordering information	SDF418-HN5
Accessory	L-Type Wall Mount: SAB749-1W Cable Management Wall Mount: SAB755+SAD712 Pendant Mount: SAB755M+SAD712

Dimension

Unit: mm (inch)

