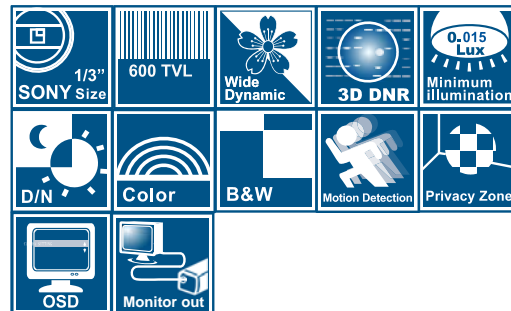




SDF446 fixed-dome camera

600 TV lines resolution, high sensitivity Lumii™ II
3D noise reduction, WDR



The SDF446 is a high-resolution dome camera that features MESSOA's new high sensitivity Lumii™ II and advanced 3D noise reduction technologies. The camera delivers extremely clear images in even the dimmest lighting conditions for sharp, noise-free image monitoring around the clock.

- **600 TV Lines Resolution**

The SDF446 utilizes the superior imaging capabilities of a 1/3" Sony CCD to deliver an outstanding 600 TV lines of resolution.

- **Day/Night Switching**

The camera has a Day/Night function that switches from color to b/w mode automatically, depending upon available light. This function enables the camera to capture crisp, clear color and b/w video in as little as 0.015 lux of light.

- **High Sensitivity Lumii™ II**

Lumii™ II technology sharpens and brightens images by enhancing camera sensitivity. This enables the SDF446 to capture clear color images in very low light environments, something traditional cameras simply cannot do.

- **3D Noise Reduction**

3D noise reduction is a powerful method for reducing image noise that produces extremely clear images even in very dim lighting conditions. Noise reduction also cuts image size, reducing storage-space requirements and back-end costs.

- **WDR**

The WDR function allows the camera to filter intense backlighting around an object to better distinguish features and shapes, enabling the camera to capture sharp, clear images in extremely high-contrast lighting environments.

- **OSD Menu**

The SDF446 has an OSD menu to help users quickly set up and adjust camera functions. The easy-to-use menu operations can be learned in a matter of seconds.



Specification

| Signal system | NTSC | PAL |
|-----------------------|---|--|
| Image system | | |
| Image area | 4.9mm x 3.7mm | |
| Image Sensor | Sony 1/3" CCD | |
| Effective pixel(HxV) | 768 x 494 | 752 x 582 |
| Electronic | | |
| Scanning system | 2:1 Interlace V: 59.94Hz, H: 15.734KHz | 2:1 Interlace V: 50Hz, H: 15.625KHz |
| Sync system | Internal / Line Lock | |
| Horizontal resolution | 600 TVLines | |
| Built-in lens | F1.2, f=2.8~10.5mm, DC Iris Varifocal | |
| View angle | Wide= 99.5°(H), 73.2°(V) ; Tele= 27.4°(H), 20.6°(V) | |
| Gamma correction | 0.05~1.0 selectable(default 0.45) | |
| Minimum illumination | 0.015 lux(F1.2, AGC on, 10 IRE) ; 0.2 lux(F1.2, AGC on, 50 IRE) | |
| S/N Ratio | More than 50dB (AGC off) | |
| Sense up Level | Auto(6 levels selectable) / OFF | |
| White Balance | ATW / AWB / INDOOR / OUTDOOR / MANUAL / AWC | |
| Electronic Shutter | 1/60 / x2 / x4 / / FLK | |
| BLC | BLC / HSBLK / OFF | |
| Day/Night mode | Auto / Color / BW (electronic D/N) / EXT | |
| OSD | Built in | |
| Language | English / Japanese / Chinese T / Chinese S | |
| WDR | OFF/ INDOOR / OUTDOOR | |
| 3DNR | ON(LEVEL: 0~100 adjustable) / OFF | |
| Video Output | 1Vpp composite output 75 ohm | |
| Motion Detection | 4 areas | |
| Privacy Mask | 8 masks | |
| D-ZOOM | ON / OFF | |
| Mirror | Off / Mirror / V-Flip / Rotate | |
| Monitor Out | Yes | |
| Power supply | | |
| Power requirement | DC12V/ AC24V | |
| Power Consumption | 2.5 W(max) | |
| Environment | | |
| Operating temperature | -10°C ~ 50°C (14°F ~ 122°F) | |
| Operating humidity | 90% RH | |
| Storage temperature | -20°C ~ 60°C (-4°F ~ 140°F) | |
| Mechanism | | |
| Dimensions (D X H) | 112mm X 101 mm (4.42" x 4.00") | |
| Weight(g) | 300g (0.66 lb.) | |
| Ordering information | SDF446-HN5 | SDF446-HP5 |

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MESSOA reserves the right to update this datasheet at any time without notice.

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Dimensions

