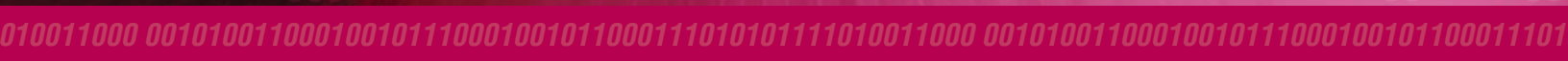


## High Resolution Color Digital Day/Night Professional Camera



## DCS100033

Digimerge's new DCS100033 is your choice of Day / Night surveillance camera. The camera produces high quality images regardless of lighting conditions, and OSD (On Screen Display) consists of main and special modes with privacy & motion detection, sharpness control, and DNR (Digital Noise Reduction) mode as standard features. DCS100033 is also cost-effective with quality, performance, and functions you have been looking for.

**HI-RESOLUTION**

FOR SUPERIOR IMAGE QUALITY

### Features:

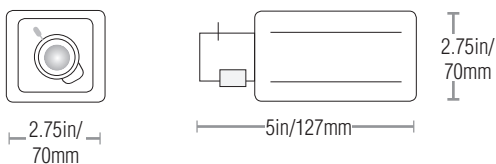
- **Ultra High Resolution (540 TV Lines)**
- **DAY & NIGHT:** Automatically selects the mode that is appropriate for daytime or night-time conditions.
- **High Sensitivity:** The built-in high sensitivity SONY COLOR CCD produces clear images even in extremely low light conditions. 0.3Lux (0.1Lux B/W) and 0.002 Lux with SENS-UP enabled.
- **DNR (Digital Noise Reduction):** Reduced noise coupled with improved signal-to-noise ratio (S/N ratio) provides a sharper, clearer image display even in the low light conditions. Eliminating the noise also reduces image sizes (when recording onto a hard drive) by up to 30%.
- **Electronic IRIS:** The electronic IRIS function enables continuous automatic control of the shutter between 1/60~1/120,000 seconds.
- **PRIVACY Function:** The PRIVACY function conceals the areas you do not wish to appear on the screen.



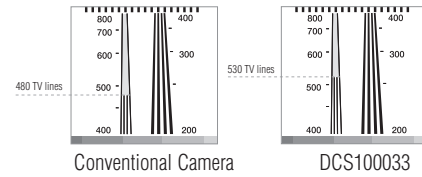
## Specifications:

<b>Power Source</b>	AC24V / DC12V 170mA(AC24V)/260mA(DC12V)
<b>Total Pixels</b>	811(H) x 508(V)
<b>Effective Pixels</b>	768(H) x 494(V)
<b>Size</b>	1/3 inch interline transfer CCD
<b>Scanning System</b>	2:1 Interlace
<b>Synchronization</b>	INT/LL Selectable 0~359°(Adjustable)
<b>Frequency</b>	Horizontal:15.734 KHz Vertical :59.94 Hz
<b>Resolution</b>	540 TV Lines
<b>Video Output</b>	1.0Vp-p/75(Video 0.714Vp-p Sync 0.286Vp-p)
<b>S/N (Y signal)</b>	50dB (AGC Off)
<b>Min. Illumination</b>	0.3Lux/F1.2(Color), 0.1Lux/F1.2(B/W), 0.002Lux(Sens-up)
<b>COLOR</b>	ON / AUTO
<b>Gain Control</b>	OFF / LOW / MIDDLE / HIGH
<b>White Balance</b>	ATW / AWC / MANUAL(1,800°K~10,500°K)
<b>Electronic shutter speed</b>	AUTO / MANUAL(1/60~1/120,000)
<b>Sens-Up</b>	OFF / AUTO
<b>O.S.D</b>	Built-in
<b>Motion Detection</b>	ON / OFF (4 Programmable Zone)
<b>DNR</b>	OFF / LOW / MIDDLE / HIGH(Noise Reduction)
<b>MIRROR</b>	OFF/ON (Horizontal Image Inversion)
<b>Privacy Function</b>	ON / OFF (4 Programmable Zone)
<b>IRIS Control</b>	DC / VIDEO
<b>Lens Mount</b>	C/CS Mount (Screw Lock)
<b>Operating temperature/Humidity</b>	-10°C ~ +50°C (14°F ~ 122°F) / 30~90% RH
<b>Weight</b>	360g/0.75 lbs

## Dimensions:

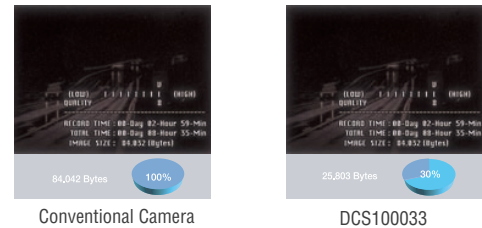


## 540 TV Lines



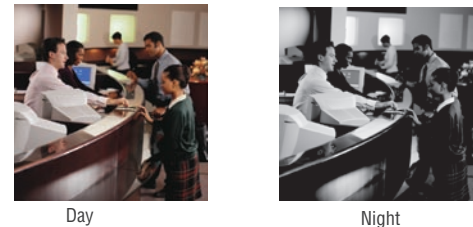
The DCS100033 is packed with Digimerge's latest CCTV technologies. Using high performance image sensor, and new DSP chip, DCS100033 will capture 540 TV lines of high resolution images even under severe lighting conditions.

## Max 70% Disk Saving Effect



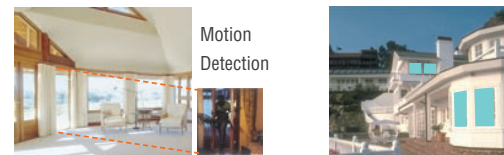
Under low light environments, DNR reduces significant amount of random and fixed noise, produces a high signal to noise ratio, and prevents ghost effects at the same time. As a result, images are sharp and clear-suitable for identification purposes. Additionally, file sizes are reduced by 40% using JPEG format and by 70% using MPEG format.

## Day & Night Capability



The DCS100033 ensures high resolution color images down to 0.3 Lux @ F1.2 in daytime. The camera switches to monochrome mode when the light level falls below the range of color image processing. The sensitivity of camera can reach 0.002 Lux for excellent low light operation with Sense-Up function.

## Motion Detection & Privacy Masking



This camera is capable of detecting moving objects in the scene.

DCS100033 can mask the captured image in four different zones in the scene. The size of privacy zone can also be adjusted.

# DIGIMERGE®

Digimerge Technologies Inc.  
300 Alden Road, Markham, ON Canada L3R 4C1  
Tel: 905.946.8477 Fax: 905.947.0138

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