

# Building Technologies Newsletter

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**SIEMENS**

## 3 MP CCTV cameras are the sharpest yet

With a resolution in the three megapixel range, the new CCTV cameras in the 3MP product family recently launched by the Siemens Security Products business unit deliver significantly sharper, clearer and more detailed images than their predecessors. They meet the needs of the latest security systems while retaining full compatibility with older installations.

The cameras are available in box (3MP CCMW3025), indoor fixed-dome (3MP CFMW3025) and vandal-resistant dome versions (3MP CVMW3025), all of which feature hybrid technology that allows them to deliver analog and IP outputs at the same time.

Fixed and vandal-resistant dome models incorporate a "simple autofocus" algorithm that speeds and simplifies commissioning by allowing back focus to be adjusted remotely via a web browser. The box camera version offers a lens focal point finder algorithm.

All of the new cameras have a wide dynamic range, allowing them to deliver clear pictures even in difficult high-contrast lighting conditions, combined with excellent low-light sensitivity and true day/night operation with a mechanically controlled infrared-cut filter. The cameras are capable of delivering full HD 1080p images at 30 fps as well as PAL/NTSC switchable analog images up to 480 TVL (TV lines), and they support simultaneous H.264 and MJPEG encoding.

Other features include basic motion detection, tamper alarms, simple acoustic detection based on loudness threshold, bidirectional monaural audio and the ability to record video clips locally on standard SDXC memory cards. Up to four privacy zones and five video cropping zones can be configured by the user. In addition, the cameras offer support for the latest ONVIF protocol (streaming profile S and event management compliant), making them easy to integrate with third-party systems.

The dome cameras are supplied with integrated motorized varifocal lenses with focal length adjustable from 3 mm to 9 mm. Specific highlights of the vandal-resistant dome model include built-in IR illuminators and a tough outdoor housing with an IP66 ingress protection rating and an IK10 impact resistance rating. All models are suitable for use with PoE (Power over Ethernet) and 24 V AC supplies. The box and indoor dome versions can also be powered from 12 V DC supplies.

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