



MOBOTIX M10-DN: Dual Lens Camera With Day/Night Sensor

January 15, 2004. At CeBIT 2004, MOBOTIX will present a world novelty: the first weatherproof megapixel IP/ISDN camera M10-Day/Night equipped with two image sensors and two lenses. Depending on the illumination of the scene, the camera uses either the color image sensor with daylight lens or the B/W image sensor with IR lens to record the images. The dual sensor system provides for excellent colors during the day and high-quality images of dark scenes thanks to its B/W image sensor. This solution is less expensive than using an IR-corrected lens on one image sensor. Equipped with Ethernet and ISDN ports, the camera is easily configured using a browser and does not require any kind of software installation.

The M10-DN is perfect for security applications as it allows to simultaneously record color and IR images without requiring maintenance-prone mechanical components. At half the image rate, both sensor images can be processed in parallel and can be displayed either side-by-side or picture-in-picture. In static scenes, the color image sensor's night vision mode allows for exposure times of 1 second without perceivable image noise. This will deliver high-quality color images even in the dark.

The M10's new megapixel sensor (1280 x 960) constitutes a quantum leap compared to the proven brilliant color quality of all MOBOTIX cameras to-date and features a light sensitivity ten times higher than the present models. Available image formats range from QVGA (320x240) and VGA (640x480) to QuadVGA (1280x960) with digital zoom and can be selected as needed. Using its freely definable exposure measurement zones, the camera automatically adapts to difficult backlight situations. Low-contrast scenes usually pose a problem to video recording, but thanks to the integrated MOBOTIX image enhancement features, the camera records high-contrast images even under these conditions. Since the camera has two lenses—one for daylight and one for night—and they can be focused separately, expensive IR-corrected lenses are not needed.

The weatherproof camera has built-in Ethernet and ISDN ports. Power can be supplied via the data cable or even from the ISDN NT. The robustness of MOBOTIX cameras is unmatched, they safely operate at temperatures between -30° and +60° C (-22° to 140° F) and have proven their reliability in numerous desert, tropical and arctic applications.

The cameras can transfer images to the Internet either in a scheduled manner and event-controlled using one or more of their sensors. Event-controlled image recording can be triggered using the signal input, motion detection windows, the passive infrared (PIR) sensor or the microphone. The M10 can easily be integrated directly into all kinds of communication environments using ISDN, GSM, DSL, WLAN and Ethernet.



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MOBOTIX Company Profile:

MOBOTIX develops and manufactures ISDN/network camera systems for user-friendly video surveillance and web cam solutions for IP networks (Internet Protocol). MOBOTIX is pioneering IP video surveillance and is the market-leading manufacturer for network cameras in German-speaking countries. At a global level, you will find MOBOTIX systems monitoring dams in Japan, vacation homes on Hawaii, train tracks, sewage treatment plants and banks in Germany, TGV tunnels in Belgium, research stations in Antarctica, palaces in Dubai, or print shops in Israel. If you want to create live images and videos from in- and outdoor settings, MOBOTIX technology is all you need.

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