FD8163 is indisputably the top choice for reliable and high performance surveillance.

VIVOTEK FD8163 is an easy-to-use fixed dome network camera, featuring 2-Megapixel or 1080p Full HD resolution with superb image quality up to 30 fps. As a true day/night camera, the FD8163 features a removable IR-cut filter and 15-meter smart IR illuminators, maintaining clear images 24 hours a day. It is especially suitable for monitoring wide open indoor areas such as a building lobby, train station, or applications requiring accurate identification.

For installers, properly adjusting the focus of a megapixel network camera can be difficult due to the image detail. Thus, VIVOTEK has introduced the Smart Focus System including Easy Focus Button and Remote Focus to make installation and adjustment easier. VIVOTEK has adopted lenses with a built-in stepper motor that the installer can use to remotely control the focal length and precisely adjust the camera focus, offering hassle-free installation and maintenance. Furthermore, the unique design featuring four-step mounting also facilitates installation of the FD8163.

Together with a PIR sensor for enhanced detection, WDR enhanced, 802.3af compliant PoE, tamper detection, microSD/SDHC/SDXC card slot for on-board storage, video cropping, and e-PTZ functionality, the FD8163 is indisputably the top choice for reliable and high performance surveillance.
1080p Resolution at Full Frame Rate

The VIVOTEK FD8163 is able to transmit 30 fps @ 1080p with H.264 compression, while conventional megapixel cameras generally only achieve 10 to 15 fps due to hardware limitations. The ability to view and record footage at a full frame rate enables much more effective surveillance.

Wide Coverage, Exceptional Details

Compatibility with the HDTV (16:9) standard, the FD8163 provides surveillance coverage for an area up to six times larger than possible with a VGA camera, significantly reducing the number of cameras required. The FD8163 is especially well suited to monitor broad spaces such as shopping mall, airport, and hotel lobby, etc. In addition, it is excellent for applications requiring accurate recognition for post-content analysis, such as the identification of people or license plates.

For example, if a person or object of interest passes quickly through the camera’s field of view during an event, a 10 fps frame rate might mean only a single frame with the target is captured, while the FD8163 would capture three frames, providing a fuller record of the event and more reliable identification of the target.

Consistent Surveillance Performance

• Adapted for High-contrast Lighting Conditions
  When a camera is used in a high contrast, backlight, glare, or light reflective environment such as a building entrance, ATM, or window, a subject may appear dark and unrecognizable. WDR Enhanced technology compensates for the unbalanced lighting, restoring detail throughout the field of view, so as to give user unparalleled visibility to identify images.

• Smart IR
  When the Smart IR function is enabled, the camera automatically adjusts the IR lighting intensity in order to avoid overexposure in night mode and is highly beneficial in capturing usable video when the object of interest is close to the camera and IR LEDs.

Smart Focus System

• Remote Focus
  To facilitate easier installation and adjustment, the FD8163 has adopted a lens with a built-in stepper motor that the installer can use to remotely control the focal length and precisely adjust the camera focus via the configuration webpage.

• Easy Focus
  The installer can also easily adjust the focus by pushing the auto-focus button on camera body. The lens module will automatically adjust the focus to the best value, offering hassle-free installation and maintenance.

• 2-Megapixel CMOS Sensor
• 30 fps @ 1920x1080
• 3 ~ 9 mm Motorized, DC-iris Lens
• Removable IR-cut Filter for Day & Night Function
• Built-in IR Illuminators, Effective up to 15 Meters
• Built-in Smart IR to Avoid Overexposure
• Built-in PIR Sensor for Human Detection
• WDR Enhancement for Unparalleled Visibility in High Contrast Environments
• Real-time H.264, MPEG-4, and MJPEG Compression (Triple Codec)
• Smart Focus System for Remote and Easy Focus Adjustment
• Built-in 802.3af Compliant PoE
• Built-in MicroSD/SDHC/SDXC Card Slot for On-board Storage

FD8163 | Fixed Dome Network Camera

With WDR Enhanced

Without WDR Enhanced

Smart IR enabled; distance: 3M

Smart IR disabled; distance: 3M

Smart IR enabled; distance: 3M

Smart IR disabled; distance: 3M

Best Focus