



System <ul style="list-style-type: none"> CPU: Mozart 120 SoC Flash: 16MB RAM: 128MB + 128MB Embedded OS: Linux 2.6 	Alarm and Event Management <ul style="list-style-type: none"> Triple-window video motion detection Tamper detection One D/I and one D/O for external sensor and alarm Event notification using HTTP, SMTP or FTP Local recording of MP4 file
Lens <ul style="list-style-type: none"> CS-mount, vari-focal, f = 4.5 ~ 10 mm, F1.6, auto-iris Removable IR-cut filter for day & night function 	On-board Storage <ul style="list-style-type: none"> SD/SDHC card slot Stores snapshots and video clips
Angle of view <ul style="list-style-type: none"> 37.1° ~ 77.6° (horizontal) 	Security <ul style="list-style-type: none"> Multi-level user access with password protection IP address filtering HTTPS encrypted data transmission
Shutter Time <ul style="list-style-type: none"> 1/5 sec. to 1/40,000 sec. 	Users <ul style="list-style-type: none"> Camera live viewing for up to 10 clients
Image Sensor <ul style="list-style-type: none"> 1/3.2" CMOS sensor in 1600x1200 resolution 	Dimension <ul style="list-style-type: none"> 154 mm (D) x 72 mm (W) x 62 mm (H)
Minimum Illumination <ul style="list-style-type: none"> 1.65 Lux / F1.6 	Weight <ul style="list-style-type: none"> Net: 650 g
Video <ul style="list-style-type: none"> Compression: MJPEG & MPEG-4 Streaming: <ul style="list-style-type: none"> Simultaneous dual-streaming MPEG-4 streaming over UDP, TCP, HTTP or HTTPS MPEG-4 multicast streaming MJPEG streaming over HTTP or HTTPS Supports time-shift streaming for recording pre- and post-event video Supports 3GPP mobile surveillance Frame rates: <ul style="list-style-type: none"> MPEG-4: up to 30 fps at 800x600 up to 10 fps at 1600x1200 MJPEG: up to 30 fps at 800x600 up to 15 fps at 1600x1200 	LED Indicator <ul style="list-style-type: none"> System power and status indicator System activity and network link indicator
Image settings <ul style="list-style-type: none"> Adjustable image size, quality, and bit rate Time stamp and text caption overlay Flip & mirror Configurable brightness, contrast, saturation, sharpness, white balance and exposure AGC, AWB, AES Automatic, manual or scheduled day/night mode BLC (Backlight compensation) Supports privacy masks 	Power <ul style="list-style-type: none"> 12V DC 24V AC Power consumption: Max. 8 W 802.3af compliant Power-over-Ethernet
Audio <ul style="list-style-type: none"> Compression: <ul style="list-style-type: none"> GSM-AMR speech encoding, bit rate: 4.75 kbps to 12.2 kbps MPEG-4 AAC audio encoding, bit rate: 16 kbps to 128 kbps Interface: <ul style="list-style-type: none"> Built-in Microsoft External microphone input Audio output External/Internal microphone switch Supports two-way audio via SIP protocol Supports audio mute 	Approvals <ul style="list-style-type: none"> CE, LVD, FCC, VCCI, C-Tick
Networking <ul style="list-style-type: none"> 10/100 Mbps Ethernet, RJ-45 Protocols: IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS and PPPoE 	Operating Environments <ul style="list-style-type: none"> Temperature: 0 ~ 50 °C (32 ~ 122 °F) Humidity: 90% RH
	Viewing System Requirements <ul style="list-style-type: none"> OS: Microsoft Windows 2000/XP/Vista Browser: Mozilla Firefox, Internet Explorer 6.x or above Cell phone: 3GPP player Real Player: 10.5 or above Quick Time: 6.5 or above
	Installation, Management, and Maintenance <ul style="list-style-type: none"> Installation Wizard 2 16-CH recording software Supports firmware upgrade
	Applications <ul style="list-style-type: none"> SDK available for application development and system integration
	Warranty <ul style="list-style-type: none"> 24 months

All specifications are subject to change without notice. All other trademarks are owned by their respective companies.

Fixed Network Camera IP7161

2-megapixel • Day & Night



VIVOTEK IP7161 is a high-end 2-megapixel network camera with true day and night functions ideally suited for wide, open spaces such as building entrances and airports, or applications requiring accurate identification, such as human faces in banks or vehicle license plates in parking lots. With advanced 2-megapixel (1600 x 1200) resolution, the IP7161 can not only deliver extremely clear and detailed images, but also capture much larger scenes that CCTV cameras cannot. Consequently, users can significantly reduce deployment costs by using a megapixel camera instead of multiple VGA models.

To consistently maintain superior image quality during 24-hour surveillance, the IP7161 comes with a built-in removable IR-cut filter to accept IR illumination and an auto-iris lens to adapt to frequent light changes. For safe and secure monitoring, the IP7161 also supports tamper detection so that security staff can be alerted immediately if the camera is blocked, redirected, defocused, or spray-painted. The exceptional time-shift streaming feature stores pre- and post-event images temporarily in the buffer memory of the camera, giving the user a view of events leading up to and after an incident.

Additionally, the IP7161 camera incorporates an adjustment ring to improve lens compatibility with either C- or CS-mount lens, providing system integrators with more flexibility and hassle-free installation for different applications. In order to facilitate convenient on-board storage and data portability, the camera also provides an SD/SDHC card slot for temporary recording and data storage.

The IP7161 includes other advanced features such as simultaneous dual streaming, 802.3af compliant PoE, two-way audio via SIP protocol and HTTPS encrypted data transmission.



Enhancing View and Image Quality with 2MP

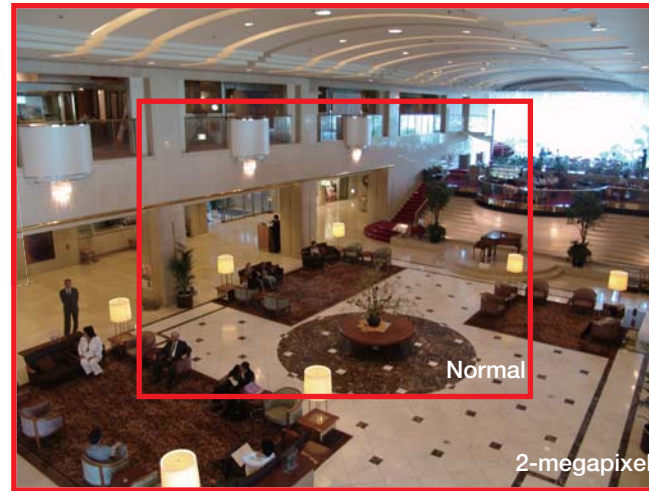
Exceptional Details

IP7161 is equipped with a 2-megapixel sensor, making it capable of providing highly detailed images. With the IP7161, users can easily and accurately identify minute objects such as vehicle license plates or facial features.



Wide Coverage

IP7161 can provide images covering a very wide area due to the wide field of view offered by the 2-megapixel sensor. Users need only a handful of IP7161s to achieve the same coverage that would otherwise require dozens of VGA cameras, dramatically reducing the number of installations.



Full Features for Professional Surveillance

Clear Images 24/7

IP7161 delivers day & night functionality with a built-in removable IR-cut filter. By day, the IR-cut filter screens out infrared light to reduce color distortion, and at night, the filter is removed to accept infrared light for higher light efficiency.



Day



Night

Tamper Detection

IP7161 offers tamper detection, which detects data loss from camera tampering in real-time. When the camera is blocked, redirected, defocused, or spray-painted, security staff will be alerted immediately in accordance with the camera settings.



Blockage



Redirecting



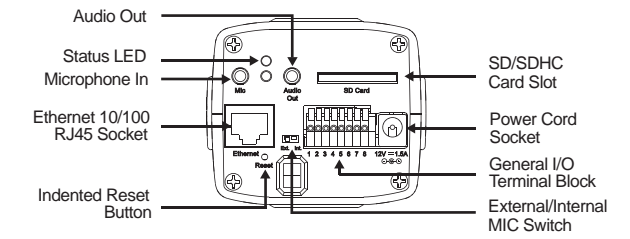
Defocusing



Spray-painting

SD/SDHC Card

IP7161 features an SD/SDHC card slot to provide short-term and portable video storage on removable memory cards, thereby providing a higher level of convenience. With this feature, because camera images are continuously recorded on the SD/SDHC card, the chance of data loss due to network disconnection is greatly reduced.



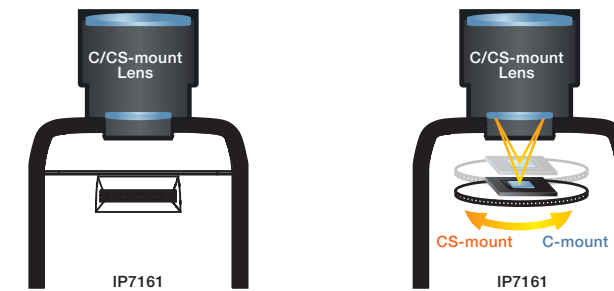
Higher Accuracy for Event Analysis

IP7161's time-shift streaming feature stores video images in the camera's embedded memory for a short period of time before transmitting to the back-end recording platform. When an event occurs, users can directly access the camera to view pre- and post-event video rather than extracting the clips from the recorded video database. This function provides users with more complete information about an event, helping them perform more accurate content analysis.

Exchanging Lens with Ease

Flexible Lens Installation

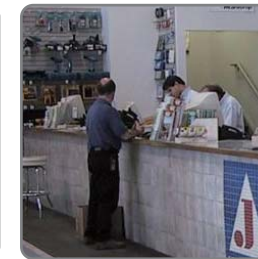
IP7161 is incorporated with a back focus adjustment ring, allowing it to fit with either a CS- or C-mount lens. Conventionally, a 5mm spacer is required for a C-mount lens to fit with a CS-mount camera. With this innovative design, such a spacer is no longer needed, as users can exchange lenses by simply adjusting the adapter, allowing for more flexibility in lens selection and installation.



Versatile Applications



Banking



Retails



Shopping Malls



Parking Lots



Freeway

Product Features

- 2-megapixel CMOS Sensor
- 4.5 ~ 10 mm Vari-focal, Auto-iris Lens
- Removable IR-cut Filter for Day and Night Function
- Detects Tampering from Blockage, Redirection, Spray-painting, Defocusing
- Real-time MPEG-4 and MJPEG Compression (Dual Codec)
- Supports Dual Streams Simultaneously
- Two-way Audio via SIP Protocol
- Built-in 802.3af Compliant PoE
- Built-in SD/SDHC Card Slot for On-board Storage
- RS-485 Interface for Scanners, Pan/Tilt
- HTTPS Encrypted Data Transmission

