Technical Specifications

System
- CPU: VVTK-1000 SoC
- Flash: 8MB
- RAM: 64MB
- Embedded OS: Linux 2.4

Pan/Tilt/Zoom
- 18x optical zoom

Lens
- Focal length: f=4.1 ~ 73.8 mm,
  auto iris, focus range: 290 mm (wide), 800 mm (tele) to infinity
- F-number: F1.4 (wide), F3.0 (tele)
- Embedded removable IR-cut filter for day & night function

Angle of View
- 2.8° ~ 48° (horizontal)

Shutter Time
- 1/2 sec. to 1/10000 sec.

Image Sensor
- SONY 1/4" progressive scan CCD sensor in VGA resolution

Minimum Illumination
- 1.61 Lux (F1.4, 1/30s)
- 0.38 Lux (F1.4, 1/30s, without IR-cut filter)

Video
- Compression: MJPEG & MPEG-4
- Streaming:
  Simultaneous dual-streaming
  MPEG-4 streaming over UDP, TCP, or HTTP
  MPEG-4 multicast streaming
  MJPEG streaming over HTTP
  Supports 3GPP mobile surveillance
- Frame rates:
  MPEG-4: Up to 30/25 fps at 640x480
  MJPEG: Up to 30/25 fps at 640x480

Image Settings
- Adjustable image size, quality, and bit rate
- Time stamp and text caption overlay
- Flip & mirror
- Configurable white balance, brightness, sharpness, and exposure
- Automatic, manual or scheduled day/night mode
- Backlight compensation (BLC)

Audio
- Compression:
  GSM-AMR speech compression, bit rate: 4.75 kbps ~12.2 kbps
  MPEG-4 AAC audio encoding, bit rate: 16 kbps ~128 kbps
- Interface:
  Built-in microphone
  External microphone input
- Supports two-way audio via SIP protocol
- Supports audio mute

Networking
- 10/100 Mbps Ethernet, RJ-45
- Protocols: IPv4, TCP/IP, HTTP, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, and PPPoE

Alarm and Event Management
- Triple-window video for motion 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

Security
- Multi-level user access with password protection
- IP address filtering

Users
- Camera live viewing for up to 10 clients

Dimension
- 147 mm (D) x 78 mm (W) x 85 mm (H)

Weight
- Net: 824 g

LED Indicator
- System power and status indicator
- System activity and network link indicator

Power
- 12V DC
- 24V AC
- Power consumption: Max. 7.6W
- 802.3af compliant Power-over-Ethernet

Approvals
- CE, LVD, FCC, VCCI, C-Tick

Operating Environments
- Temperature: 0 ~ 50 °C (32 ~ 122 °F)
- Humidity: 20%~80% RH

Viewing System Requirements
- 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
- Installation Wizard 2
- 16-CH recording software
- Supports firmware upgrade

Applications
- SDK available for application development and system integration

Warranty
- 24 months

Network Camera
IZ7151

18x Zoom · Day&Night
Progressive Scan CCD

VIVOTEK IZ7151, incorporates a fully integrated Sony 18x optical zoom lens and progressive scan CCD sensor, is an all-in-one network camera for 24-hour day and night surveillance. With the built-in 18x optical zoom, this camera can flexibly zoom in on small or distant objects and remotely monitor warehouses, construction sites, parking lots, office or apartment buildings and more - with exceptional accuracy and clarity.

Featuring the day/night function, the IR-cut filter is able to be removed while lighting darkens and automatically turns the mode of color (day time/bright lighting) into monochrome (night time/dark or low lighting), down to 0.38 lux. It also comes with a RS-485 interface for scanners or pan/tilts driver connection, which is designed for a cost-effective alternative with pan/tilt/zoom functions as a professional speed dome.

Additionally, this camera is fully loaded with many sophisticated features such as 3GPP mobile surveillance, Power over Ethernet, and SIP two-way audio, free-bundled 16-Ch recording software etc., allowing you to build up a reliable, future-proof IP surveillance system with ease. No matter how wide range your applications would be, just have a closer, crystal clear view with VIVOTEK IZ7151 from anywhere over the network.

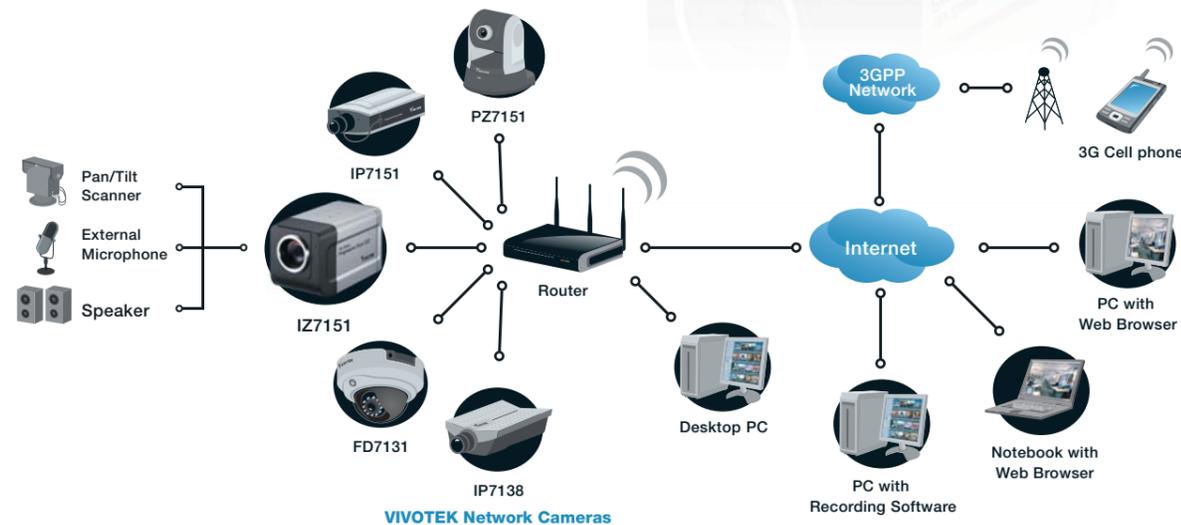**VIVOTEK**
BUILT WITH RELIABILITY

Product Features

- SONY Progressive Scan CCD Module in VGA Resolution
- 18x Zoom Lens
- Removable IR-cut Filter for Day & Night Function
- Real-time MPEG-4 and MJPEG Compression (Dual Codec)
- Supports Dual Streams Simultaneously
- 3GPP Mobile Surveillance
- Built-in 802.3af Compliant PoE
- Two-way Audio via SIP Protocol
- RS-485 Interface for Scanners, Pan/Tilts
- Digital I/O for External Sensor and Alarm
- Back Light Compensation

VIVOTEK's
Self-developed SoC

System Overview

Pan/Tilt Scanner
External Microphone
Speaker

IZ7151

IP7151
PZ7151
FD7131
IP7138

VIVOTEK Network Cameras

Router

3GPP Network
Internet

3G Cell phone
PC with Web Browser
Desktop PC
PC with Recording Software
Notebook with Web Browser

Versatile Applications

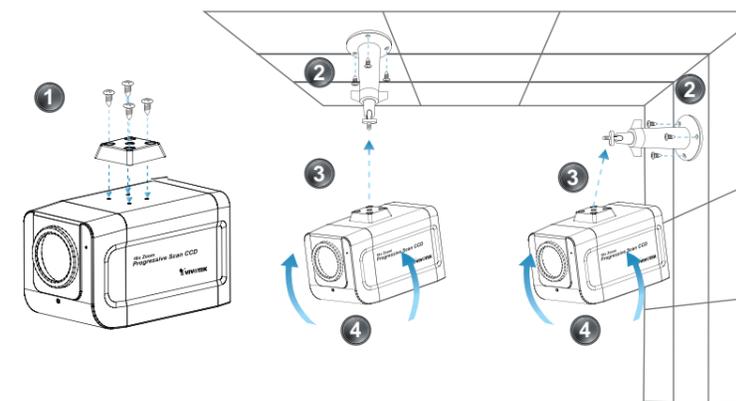Stations　　Parking lots　　Offices　　Warehouses　　Factories

Easy Installation

Accessories

Pan/Tilt Scanner　　PoE Injector

Enclosure　　Infrared

Technical Zone

Progressive Scan CCD Sensor
Optimum solution for shooting high-speed moving objects

The progressive scan CCD sensor effectively offers an excellent solution for shooting high-speed moving objects. It can clearly capture images of moving objects that traditional interlaced-scan techniques could not achieve. Unlike interlaced-scan techniques, progressive scanning scans all the lines simultaneously so as to present razor-sharp, clear, and high-resolution snapshots in all circumstances.

18x Optical Zoom Lens
Providing unprecedented image quality

Utilizing Sony 18x optical zoom lens, VIVOTEK IZ7151 allows you to have close-up images with exceptional detail and effectively extends your eyesight. You can easily and quickly zoom in on distant objects or any tiny target with unprecedented high quality even when enlared.

Power over Ethernet
Allowing power and signals to be transmitted over only one Ethernet cable

With 802.af PoE support, VIVOTEK IZ7151 can be powered through the original network-cabling infrastructure, thus cutting costs and cablings to the overall installation.
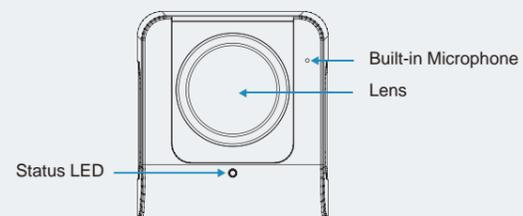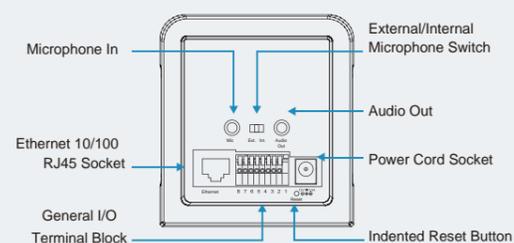
Day & Night Function
The best solution for 24-hour surveillance

VIVOTEK SD7151 is equipped with a removable IR cut filter, which will automatically be removed at night time to bring the IR light into the sensor to maximize the low light sensitivity. The camera will switch automatically from color to black and white, assuring optimal image quality at all times.

Front View

Built-in Microphone
Lens
Status LED

Rear View

Microphone In
Ethernet 10/100 RJ45 Socket
General I/O Terminal Block

External/Internal Microphone Switch
Audio Out
Power Cord Socket
Indented Reset Button

VVTK-1000
VIVOTEK's Self-developed SoC

VIVOTEK's self-developed SoC enhances the implementation of more powerful surveillance functions, greater transmission efficiency, and guarantee the highest quality in real-time audio-video transmission.