



## SKY-SD7151 Pan Tilt Zoom Network Camera with 18X Optical Zoom



### Features

- SONY Progressive Scan CCD Sensor in VGA Resolution
- 18x Zoom Lens
- 360° Continuous Pan and 0° ~ 90° Flip Tilt
- Removable IR-cut Filter for Day & Night Function
- Real-time MPEG-4 and MJPEG Compression (Dual Codec)
- Dual Streams Simultaneously
- Vandal-proof and Weather-proof
- 3GPP Mobile Surveillance
- Easy, Fast, Accurate PTZ Control by Joystick
- Two-way Audio via SIP Protocol
- Digital I/O for External Sensor and Alarm

### System

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

### Pan/Tilt/Zoom

- Pan range: 360° continuous rotation
- Tilt range: 0° ~ 90° flip
- 18x optical zoom
- Pan speed: 0.1° ~ 300°/sec
- Tilt speed: 0.1° ~ 120°/sec
- Auto pan mode
- Auto patrol mode

### Lens

- 18x optical zoom lens,  $f = 4.1 \sim 73.8$  mm, F1.4 (wide), F3.0(tele), auto-iris, focus range: 290 mm (wide), 800 mm (tele) to infinity
- Removable IR-cut filter for day & night function

### Angle of View

2.8° ~ 48° (horizontal)

### Shutter Time

1/2 sec. to 1/10,000 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 streams
  - » MPEG-4 streaming over UDP, TCP, HTTP or HTTPS
  - » MPEG-4 multicast streaming
  - » MJPEG streaming over HTTP or HTTPS
- 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 brightness, sharpness, white balance and exposure
- AGC, AWB, AES
- Automatic, manual or scheduled day/night mode
- BLC (Backlight Compensation)

## Audio

- Compression:
  - » 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:
  - » External microphone input
  - » Audio output
  - » Supports two-way audio via SIP protocol
  - » Supports audio mute

## Networking

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

## Alarm and Event Management

- Triple-window video for motion detection
- Four 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
- HTTPS encrypted data transmission

## Users

- Live viewing for up to 10 clients

## Dimension

- Ø 200 mm x 270 mm

## Weight

- Net: 3,740 g

## LED Indicator

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

## Power

- 24V AC 2A 60Hz/50Hz
- Power consumption: Max. 42 W

## Housing

- Weather-proof IP66-rated housing

## Approvals

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

## Operating Environments

- Temperature: -20 ~ 60 °C (-4 ~ 140 °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