VIVOTEK's CC8160 is a low profile network camera especially designed for 180° panoramic indoor surveillance. The unique design makes it a great choice for retail, convenience stores, hotels, classrooms, and offices. The 180° panoramic view in 1080P provides amazing situational surveillance coverage. The unique mounting design facilitates easy installation on a wall, or counter to capture faces at eye level. A built-in microphone further increases the level of surveillance while recording sound within a 5 meter radius.

The CC8160 supports industry-standard H.264 compression technology, reducing file sizes and conserving valuable network bandwidth. Together with the VAST multi-lingual 32-channel recording software, users can set up an easy-to-use IP surveillance system with ease.

Key Features
- 2-Megapixel CMOS Sensor
- 180° Horizontal Panoramic View
- Compact, Low-Profile Design
- 30 fps @ 1920x1080
- Real-time H.264 and MJPEG Compression (Dual Codec)
- Built-in 802.3af Compliant PoE
- Smart Stream II to Optimize Bandwidth Efficiency
- WDR Enhanced
- Supports ONVIF Standard to Simplify Integration and Enhance Interoperability
- Built-in Microphone
- Trend Micro IoT Security within Standard Warranty Period
## Technical Specifications

### Model
- CC8160

### System Information
- **CPU**: Multimedia SoC (System-on-Chip)
- **Flash**: 128MB
- **RAM**: 256MB

### Camera Features
- **Image Sensor**: 1/2.9" Progressive CMOS
- **Maximum Resolution**: 1920x1080
- **Lens Type**: Fixed-focal
- **Focal Length**: f = 1.66 mm
- **Aperture**: F1.95
- **Field of View**: 180° (Horizontal), 100° (Vertical), 180° (Diagonal)
- **Shutter Time**: 1/5 sec. to 1/32,000 sec.
- **WDR Technology**: WDR Enhanced
- **Minimum Illumination**: 0.22 Lux @ F1.95 (Color)
- **Tilt Range**: 15 degrees with bracket
- **Pan/Tilt/Zoom Functionalities**: ePTZ: 48x digital zoom (4x on IE plug-in, 12x built in)

### Video
- **Compression**: H.264 & MJPEG
- **Maximum Frame Rate**: H.264: 30 fps @ 1920x1080
- **Maximum Streams**: 4 simultaneous streams
- **S/N Ratio**: 58.2 dB
- **Dynamic Range**: 50.6 dB
- **Video Streaming**: Adjustable resolution, quality and bitrate
- **Image Settings**: Adjustable image size, quality and bit rate, time stamp, text overlay, flip & mirror, configurable brightness, contrast, saturation, sharpness, white balance, exposure control, gain, backlight compensation, privacy masks, scheduled profile settings

### Audio
- **Audio Capability**: One-way audio
- **Interface**: Built-in Microphone
- **Effective Range**: 5 meters

### Network
- **Users**: Live viewing for up to 10 clients
- **Protocols**: IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, ICMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP, 802.1X
- **Interface**: 10 Base-T/100 BaseTX Ethernet (RJ-45)

### System Requirements
- **Operating System**: Microsoft Windows 7/Vista/XP/2000/8
- **Web Browser**: Mozilla Firefox 7~43 (streaming only), Internet Explorer 7/8/9/10/11
- **Other Players**: VLC: 1.1.11 or above, QuickTime: 7 or above

### Included Accessories
- Others: Quick installation guide, warranty card, camera stand, screw pack

### Dimensions
- **Weight**: Net: 66.7 g
- **Safety Certifications**: CE, LVD, FCC Class B, VCCI, C-Tick
- **Operating Temperature**: 0°C ~ 40°C (32°F ~ 104°F)
- **Humidity**: 90%
- **Warranty**: 24 months

### ONVIF
- **Supported, specification available at www.onvif.org**

### Intelligent Video
- **Video Motion Detection**: Five-window video motion detection
- **VCA**: Line crossing detection, field detection, loitering detection
- **Available per project request**

### Alarm and Event
- **Alarm Triggers**: Motion detection, manual trigger, periodical trigger, system boot, recording notification, camera tampering detection, audio detection
- **Alarm Events**: Event notification using HTTP, SMTP, FTP and NAS server

### General
- **Connectors**: RJ-45 for Network/PoE connection
- **LED Indicator**: System power and status indicator
- **Power Input**: IEEE 802.3af PoE Class 2
- **Power Consumption**: Max. 2.01 W
- **Dimensions**: 28 mm (D) x 50 mm (W) x 88 mm (H) (Body only), 40 mm (D) x 58 mm (W) x 127 mm (H) (Tilt Mount)

### System Specifications

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