VIVOTEK

CC8160
Cube/Panoramic Network Camera

2MP · 180˚ Panoramic View · Compact Size · Smart Stream II

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

180˚ Panoramic View

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 MJPEG: 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 Smart Stream II
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
Compression	G.711, G.726
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, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP, 802.1X , NTCIP
Interface	10 Base-T/100 BaseTX Ethernet (RJ-45) *It is highly recommended to use standard CAT5e & CAT6 cables which are compliant with the 3P/ETL standard.

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 File upload via 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)
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

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

36 mm · 50 mm · 127 mm · 134 mm · 88 mm · 40 mm · 58 mm