



# VC8101

Split-type Camera System



2MP · WDR Pro · Pinhole · 180° Panoramic View · Smart Stream II · 3DNR · Recessed Mount · Video Rotation

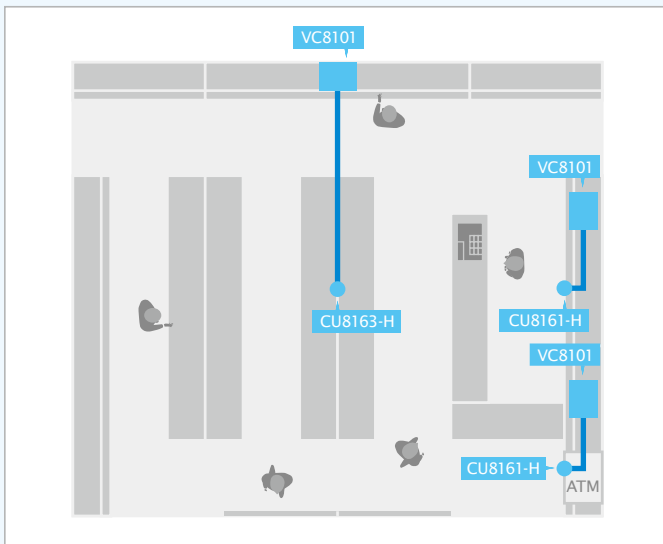
VIVOTEK's VC8101 is a high-performance Full-HD split-type camera system. Its discreet design, rich functionality and ability to be flexibly integrated into even the tightest spaces, make this camera ideal for indoor or covert surveillance of ATMs, banks, stores and offices.

The VC8101 features a separate camera unit and video core design, enabling the tiny camera unit (with 5-meter long cable) to be easily and flexibly installed into any decoration or interior design, thus preserving stylish appearances while dramatically saving on installation time and cost.

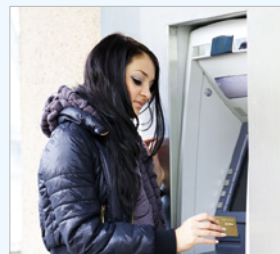
The VC8101 can support one camera unit and is designed to work in perfect harmony with a choice of two 2-megapixel WDR camera units: the CU8161-H pinhole type, and the CU8163-H fisheye type for 180° panoramic view. Both camera units incorporate a number of advanced features found in VIVOTEK cameras, including WDR Pro, Smart Stream II technology, 3DNR, 802.3af compliant PoE, on-board storage, and VIVOTEK's 32-channel recording software. All of these features and the VC8101's unique design allow the camera units to capture clear images in high-contrast scenes, and to make this camera system the best possible solution for indoor surveillance when discretion is important.

## Key Features

- Discreet, Recessed-Mount Camera Units
- Supports 1 Camera Unit
- 2 Camera Options: 2MP WDR Pinhole or 2MP WDR Fisheye Camera
- Two-Way Audio on Video Core
- Real-time H.264 and MJPEG Compression
- Smart Stream II to Optimize Bandwidth Efficiency
- WDR Pro for Unparalleled Visibility in High Contrast Environments
- 3D Noise Reduction
- Video Rotation for Corridor View
- Built-in IEEE 802.3af Compliant PoE
- Trend Micro IoT Security within Standard Warranty Period



Split-type Camera System



ATM



Bank



Retail



Office

## Specifications - Video Core

Model	VC8101 (With CU8161-H) VC8101 (With CU8163-H)
<b>System Information</b>	
CPU	Multimedia SoC (System-on-Chip)
Flash	128MB
RAM	256MB
On-board Storage	Slot type: MicroSD/SDHC/SDXC Card Slot Seamless Recording
<b>Video</b>	
Compression	H.264 & MJPEG
Video Source	1 VIVOTEK camera unit
Maximum Streams	4 simultaneous streams
Video Streaming	Adjustable resolution, quality and bitrate Configurable video cropping for bandwidth saving 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, 3D noise reduction, video rotation
<b>Audio</b>	
Audio Capability	Two-way audio (full duplex)
Compression	G.711, G.726
Interface	External audio input External audio output
<b>Network</b>	
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, ARP, SSL, TLS, CIFS/SMB
Interface	10 Base-T/100 BaseTX Ethernet (RJ-45)
ONVIF	Supported, specification available at <a href="http://www.onvif.org">www.onvif.org</a>
<b>Intelligent Video</b>	
Video Motion Detection	Five-window video motion detection

<b>Alarm and Event</b>	
Alarm Triggers	Motion detection, manual trigger, digital input, periodical trigger, system boot, recording notification, camera tampering detection
Alarm Events	Event notification using HTTP, SMTP, FTP, NAS server and MicroSD card File upload via HTTP, SMTP, FTP, NAS server and MicroSD card
<b>General</b>	
Connectors	RJ-45 connector for Network/PoE connection *1 RJ-12 connector for camera unit connection *1 Audio input *1 Audio output *1 DC 8-36V power input *1 Digital input *1 Digital output *1
LED Indicator	System power and status indicator
Power Input	DC 8~36V IEEE 802.3af PoE Class 2
Power Consumption	Max. 5.5 W
Dimensions	105 (W) x 84 (D) x 30 (H) mm
Weight	119 g
Safety Certifications	CE, LVD, FCC Class B, VCCI, C-Tick
Operating Temperature	Starting Temperature: 0°C ~ 50°C (32°F ~ 122°F) Working Temperature: -10°C ~ 50°C (14°F ~ 122°F)
Humidity	90%
Warranty	24 months
<b>System Requirements</b>	
Operating System	Microsoft Windows 7/8
Web Browser	Internet Explorer 10/11 Chrome version 58.0.3029 or above
Other Players	VLC: 1.1.11 or above QuickTime: 7 or above
<b>Included Accessories</b>	
Others	Quick installation guide, warranty card, installation kit

## Specifications - Camera Unit

Model	CU8161-H: Pinhole
Image Sensor	1/2.7" Progressive CMOS
Maximum Resolution	30 fps @ 1920x1080
Focal Length	f = 3.7 mm
Aperture	F2.5
Field of View	93° (Horizontal) 48° (Vertical) 117° (Diagonal)
Shutter Time	1/5 sec. to 1/32,000 sec.
WDR Technology	WDR Pro
Minimum Illumination	1.10 Lux @ F2.5 (Color)
Pan/tilt/zoom Functionalities	ePTZ: 12x digital zoom
S/N Ratio	53 dB
Dynamic Range	100 dB
Dimensions	Ø 24 x 37 mm (Without cable)
Weight	221 g
Operating Temperature	Starting Temperature: 0°C ~ 50°C (32°F ~ 122°F) Working Temperature: -10°C ~ 50°C (14°F ~ 122°F)
Humidity	90%

Model	CU8163-H: Fisheye Camera
Image Sensor	1/2.7" Progressive CMOS
Maximum Resolution	30 fps @ 1920x1080
Focal Length	f = 1.6 mm
Aperture	F2.0
Field of View	180° (Horizontal) 140° (Vertical)
Shutter Time	1/5 sec. to 1/32,000 sec.
WDR Technology	WDR Pro
Minimum Illumination	0.66 Lux @ F2.0 (Color)
Pan/tilt/zoom Functionalities	ePTZ: 12x digital zoom
S/N Ratio	47 dB
Dynamic Range	100 dB
Dimensions	Ø 24 x 43 mm (Without cable)
Weight	221 g
Operating Temperature	Starting Temperature: 0°C ~ 50°C (32°F ~ 122°F) Working Temperature: -10°C ~ 50°C (14°F ~ 122°F)
Humidity	90%

## Dimensions

