VIVOTEK VC8201 is a split-type camera system, which the camera unit and the video core are separated. With the separated design, it enables the camera unit to be much smaller, making installation easier as well as blending in decoration easily. In addition, the VC8201 can connect up to two 5-Megapixel camera units with 8-meter long cables, dramatically saving installation effort.

The camera units CU8131 and CU8171 are designed as recessed dome type, in order to fit in the decoration. The CU8131 is equipped with a 1MP sensor and features WDR Pro technology, allowing the camera to capture clear images with high-contrast scenes. The CU8171 is built with a 5MP sensor and fisheye lens to provide a 360° surround view without blind spots. The VC8201 can support different combinations of two camera units, making the installation more flexible.

Incorporating a number of advanced features of VIVOTEK cameras, including 3DNR, tamper detection, 802.3af compliant PoE, SD/SDHC/SDXC card slot, and VIVOTEK’s 32-channel recording software, the VC8201 is the best solution of indoor video surveillance.

Key Features
- Supports Up to 2 Camera Units
- 2 Camera Options: 1MP WDR or 5MP Fisheye Camera
- Recessed Mount Camera Units
- Built-in Microphone on Camera Units
- Maximum 8 Meters Cable Connection
- Real-time H.264 and MJPEG Compression
- Built-in IEEE 802.3af Compliant PoE
- 3D Noise Reduction
Specifications—Video Core

Model  
VC8201-M1 (with CU8171x2)  
VC8201-M3 (with CU811x1+CU8171)  
VC8201-M3 (with CU811x2)

System Information

CPU  
MultiMedia Sox (System-on-Chip)

Flash  
256 MB

RAM  
512 MB

On-board Storage  
SD/SDHC/SDXC Card Slot

Video

Compression  
H.264 & MJPEG

Video Source  
Up to 2 VIVOTEK camera units

Maximum Streams  
3 simultaneous streams per camera unit

Video Streaming  
Adjustable resolution, quality and bitrate

Configurable video cropping for bandwidth saving

Image Settings  
Adjustable image size, quality and bit rate

Configureable brightness, contrast, saturation, white balance, exposure control, gain, backlight compensation, privacy masks

Scheduled profile settings, 3D Noise Reduction

Audio

Audio Capability  
Audio input

Compression  
GSM AMR, G.711

Interface  
From camera unit

Network

Users  
Live viewing for up to 10 clients

Protocols  
PUCP, IPv4, TCP/IP, HTTP, HTTPS, Udp4, RTSP/RTCP, QSP, SMTP, FTP, DHCP, NTP, DNS, PPPoE, CoS, QoS, SNMP, IEEE 802.1X

Interface  
10Base-T/100BaseTX Ethernet (RJ-45)

ONVIF  
Supported, specification available at www.onvif.org

*It is highly recommended to use standard Cat. 5e & Cat. 6 cables

Operating Temperature  
Starting Temperature: 0°C ~ 50°C (32°F ~ 122°F)

Power Consumption  
Max. 10.8 W (PoE)

Shutter Technology  
1/5 sec. to 1/32,000 sec.

Field of View  
180° (Diagonal)

Minimum Illumination  
0.66 Lux @ F2.0, 50 IRE (Color)

Tilt Range  
-120°

Pan/Tilt/Zoom Functionality  
ePTZ 48x digital zoom (4x on IE plug-in, 12x built-in)

S/N Ratio  
Above 53 dB

Dynamic Range  
110 dB

Audio Capability  
Built-in microphone

Dimensions  
Ø 60 mm x 93 mm

Weight  
Net: 360 g

Safety Certifications  
CE, LVD, FCC Class B, VCCI, C-Tick

Included Accessories  
CD  
User’s manual, quick installation guide, Installation Wizard 2, ST7501 32-channel recording software

Others  
Quick installation guide, warranty card, install kit, 5-meter connection cable x 2

Optional Accessories  
8 meters connection cable

Specifications—Camera Unit

Model  
CU8131

Image Sensor  
1/3” Progressive CMOS

Maximum Resolution  
30 fps @ 1280x800

Focal Length  
f = 3.6 mm

Aperture  
F1.8

Field of View  
86° (Horizontal)  
51° (Vertical)  
103° (Diagonal)

Shutter Technology  
1/5 sec. to 1/32,000 sec. (Auto-adjustment)

Minimum Illumination  
1.05 Lux @ F1.8, 50 IRE (Color)

Tilt Range  
70°

Pan/Tilt/Zoom Functionality  
ePTZ 48x digital zoom (4x on IE plug-in, 12x built-in)

S/N Ratio  
Above 53 dB

Dynamic Range  
110 dB

Audio Capability  
Built-in microphone

Dimensions  
Ø 60 mm x 93 mm

Weight  
Net: 58 g

Operating Temperature  
Starting Temperature: 0°C ~ 40°C (32°F ~ 104°F)

Working Temperature: -10°C ~ 40°C (14°F ~ 104°F)

Specifications—Video Core

Model  
VC8201-M3 (with CU811x2)

System Information

CPU  
MultiMedia Sox (System-on-Chip)

Flash  
256 MB

RAM  
512 MB

On-board Storage  
SD/SDHC/SDXC Card Slot

Video

Compression  
H.264 & MJPEG

Video Source  
Up to 2 VIVOTEK camera units

Maximum Streams  
3 simultaneous streams per camera unit

Video Streaming  
Adjustable resolution, quality and bitrate

Configurable video cropping for bandwidth saving

Image Settings  
Adjustable image size, quality and bit rate

Configureable brightness, contrast, saturation, white balance, exposure control, gain, backlight compensation, privacy masks

Scheduled profile settings, 3D Noise Reduction

Audio

Audio Capability  
Audio input

Compression  
GSM AMR, G.711

Interface  
From camera unit

Network

Users  
Live viewing for up to 10 clients

Protocols  
PUCP, IPv4, TCP/IP, HTTP, HTTPS, Udp4, RTSP/RTCP, QSP, SMTP, FTP, DHCP, NTP, DNS, PPPoE, CoS, QoS, SNMP, IEEE 802.1X

Interface  
10Base-T/100BaseTX Ethernet (RJ-45)

ONVIF  
Supported, specification available at www.onvif.org

*It is highly recommended to use standard Cat. 5e & Cat. 6 cables

Operating Temperature  
Starting Temperature: 0°C ~ 50°C (32°F ~ 122°F)

Power Consumption  
Max. 10.8 W (PoE)

Shutter Technology  
1/5 sec. to 1/32,000 sec.

Field of View  
180° (Diagonal)

Minimum Illumination  
0.66 Lux @ F2.0, 50 IRE (Color)

Tilt Range  
-120°

Pan/Tilt/Zoom Functionality  
ePTZ 48x digital zoom (4x on IE plug-in, 12x built-in)

S/N Ratio  
Above 53 dB

Dynamic Range  
110 dB

Audio Capability  
Built-in microphone

Dimensions  
Ø 60 mm x 93 mm

Weight  
Net: 360 g

Safety Certifications  
CE, LVD, FCC Class B, VCCI, C-Tick

Included Accessories  
CD  
User’s manual, quick installation guide, Installation Wizard 2, ST7501 32-channel recording software

Others  
Quick installation guide, warranty card, install kit, 5-meter connection cable x 2

Optional Accessories  
8 meters connection cable

Specifications—Camera Unit

Model  
CU8171

Image Sensor  
1/2.5” Progressive CMOS in 2560x1920

Maximum Resolution  
15 fps @ 1696x1696

Focal Length  
f = 1.27 mm

Aperture  
F2.0

Field of View  
180° (Horizontal)  
180° (Vertical)  
180° (Diagonal)

Shutter Technology  
1/5 sec. to 1/32,000 sec.

WDR Technology  
WDR Enhanced

Minimum Illumination  
0.66 Lux @ F2.0, 50 IRE (Color)

Tilt Range  
-120°

Pan/Tilt/Zoom Functionality  
ePTZ 12x digital zoom

S/N Ratio  
Above 62 dB

Dynamic Range  
97 dB

Audio Capability  
Built-in microphone

Dimensions  
Ø 60 mm x 81 mm

Weight  
Net: 51 g

Operating Temperature  
Starting Temperature: 0°C ~ 40°C (32°F ~ 104°F)

Working Temperature: -10°C ~ 40°C (14°F ~ 104°F)

Dimensions

VC8201  
169 mm  
145 mm  
105 mm  
49 mm

CU8131  
Ø60 mm  
93 mm

CU8171  
Ø60 mm  
81 mm

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