2 MP · **H.264** · **Day/Night** · **PoE**

Fixed Network Camera
BB5116

2-Megapixel • H.264 • Day & Night

VIVOTEK BB5116 is a professional-series fixed network camera featuring superb image quality and exceptional bandwidth efficiency. It is especially suitable for wide open spaces such as building entrances and airports, or applications requiring accurate identification, such as human faces in banks or vehicle license plates in parking lots.
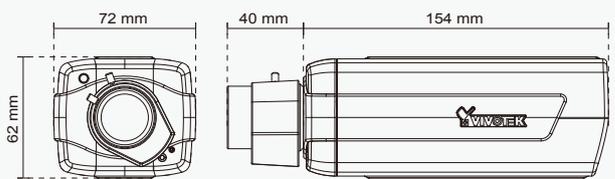
Featuring a 2-Megapixel sensor, this camera is able to provide a wide field of view with exceptional detail when compared to a standard VGA camera, significantly reducing the number of camera installations. The ePTZ function enables users to focus on close-up shots of different areas in the camera's view without moving the camera physically. Users can quickly move to a target area by simply clicking on the video feed from the camera on their screen. In addition, the BB5116 can deliver user-defined thumbnails for viewing instead of video of an entire scene so as to optimize bandwidth and storage efficiency.

The BB5116 supports H.264 compression technology, drastically reducing file sizes and conserving valuable network bandwidth. With MPEG-4 and MJPEG compatibility, video streams can also be transmitted in either of these formats for versatile applications. The streams can also be individually configured to meet different needs or bandwidth constraints, thereby further reducing bandwidth and storage requirements. Users can receive multiple streams simultaneously in different resolutions, frame rates and image qualities for viewing on different platforms.

Thanks to its day and night function achieved by a built-in removable IR-cut filter, the BB5116 is able to maintain clear images 24 hours a day. Additionally, the BB5116 camera incorporates an adjustment ring to improve lens compatibility with either C- or CS-mount lens, providing system integrators with more flexibility and hassle-free installation for different applications.

The integrated BNC connector allowing the BB5116 to be connected directly to an analog monitor provides enhanced flexibility and usability and ease of installation. Together with PoE, QoS, activity adaptive streaming, and the included 32-CH central management software, the BB5116 is indisputably the top choice for reliable and high performance surveillance.

VIVOTEK
BUILT WITH RELIABILITY

Technical Specifications

System
- CPU: TI DM365 SoC
- Flash: 128MB
- RAM: 256MB
- Embedded OS: Linux 2.6

Lens
- CS-mount, vari-focal, f = 3.1 ~ 8 mm, F1.2, auto-iris
- Removable IR-cut filter for day & night function

Angle of View
- 32.9° ~ 80.6° (horizontal)
- 24.7° ~ 60.0° (vertical)
- 41.0° ~ 102.1° (diagonal)

Shutter Time
- 1/5 sec. to 1/40,000 sec.

Image Sensor
- 1/3.2" CMOS sensor in 1600x1200 resolution

Minimum Illumination
- 0.001 Lux / F1.2 (B/W)

Video
- Compression: H.264, MPEG-4 & MJPEG
- Streaming:
  Simultaneous multiple streams
  H.264 streaming over UDP, TCP, HTTP or HTTPS
  MPEG-4 streaming over UDP, TCP, HTTP or HTTPS
  MPEG-4 multicast streaming
  MJPEG streaming over HTTP or HTTPS
- Supports activity adaptive streaming for dynamic frame rate control
- Supports video cropping for bandwidth efficiency
- Supports ePTZ for data efficiency
- Supports 3GPP mobile surveillance
- Frame rates:
  H.264:
  Up to 30 fps at 1280x720
  Up to 15 fps at 1600x1200
  MPEG-4:
  Up to 30 fps at 1280x720
  Up to 15 fps at 1600x1200
  MJPEG:
  Up to 30 fps at 1280x720
  Up to 15 fps at 1600x1200
- Interface:
  BNC connector for video output
  NTSC/PAL video output switch

Image Settings
- Adjustable image size, quality and bit rate
- Time stamp and text caption overlay
- Flip & mirror
- Configurable brightness, contrast, saturation, sharpness, white balance and exposure
- AGC, AWB, AES
- Automatic, manual or scheduled day/night mode
- BLC (Backlight Compensation)
- Supports privacy masks

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
  G.711 audio encoding, bit rate: 64 kbps, μ-Law or A-Law mode selectable
- Interface:
  Built-in microphone
  External microphone input
  Audio output
  External/Internal microphone switch
- Supports two-way audio
- Supports audio mute

Networking
- 10/100 Mbps Ethernet, RJ-45
- Protocols: IPv4, IPv6, TCP/IP, HTTP, HTTPS, UPnP, RTSP/RTP/RTCP, IGMP, SMTP, FTP, DHCP, NTP, DNS, DDNS, PPPoE, CoS, QoS, SNMP and 802.1x
- Onvif Support

Alarm and Event Management
- Triple-window video motion detection
- Tamper detection
- One D/I and one D/O for external sensor and alarm
- Event notification using HTTP, SMTP or FTP

Security
- Multi-level user access with password protection
- IP address filtering
- HTTPS encrypted data transmission
- 802.1X port-based authentication for network protection

Users
- Live viewing for up to 10 clients

Weight
- Net: 664 g

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

Power
- 12V DC
- 24V AC
- Power consumption: Max. 8 W
- 802.3af compliant Power-over-Ethernet

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

Operating Environments
- Temperature: 0 ~ 50 °C (32 ~ 122 °F)
- Humidity: 90% RH

Viewing System Requirements
- OS: Microsoft Windows 7/Vista/XP/2000
- Browser: Mozilla Firefox, Internet Explorer 7.0 or above
- Cell phone: 3GPP player
- Real Player: 10.5 or above
- Quick Time: 6.5 or above

Installation, Management, and Maintenance
- RS-485 interface for scanners, pan/tilts
- Installation Wizard 2
- 32-CH ST7501 recording software
- Supports firmware upgrade

Applications
- SDK available for application development and system integration

Warranty
- 24 months

Dimension
- 154 mm (D) x 72 mm (W) x 62 mm (H)

72 mm   40 mm   154 mm   62 mm

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Ver 1.1