VK2-1080BIR35V16e

Quick Guide

Please read this manual thoroughly before use, and keep it handy for future reference.

1. Description

This manual applies to the VK2-1080BIR35V16e full HD Bullet camera with IR illumination.

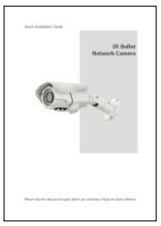
- **Installation Steps**
  Follow these steps to install the VK2-1080BIR35V16e on your local network (LAN):

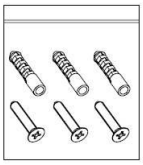
  1. Check the package contents against the list below.
  2. Connect the VK2-1080BIR35V16e
  3. Set an IP address.
  4. Set the password.

- **Package Component**
  The system comes with the following components:

Camera Unit

Installation CD


Installation Guide

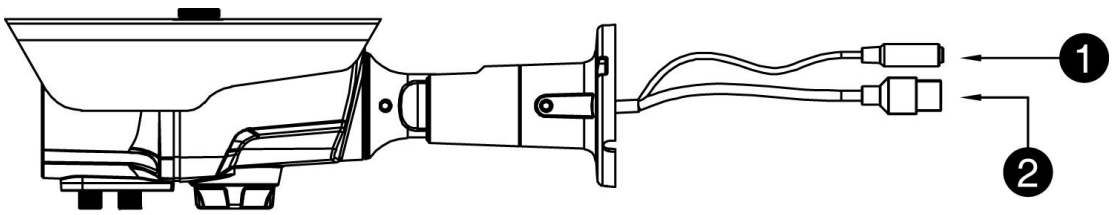

Accessory Kit

- **Contents in the installation CD**

  1. The User's Manual
  2. The SmartManager User's Manual
  3. The VK2-Client User's Manual
  4. The SmartManager Installation software
  5. The VK2-Client Installation software

Note: Check the packaging to make sure that you received the complete system, including all components shown above.

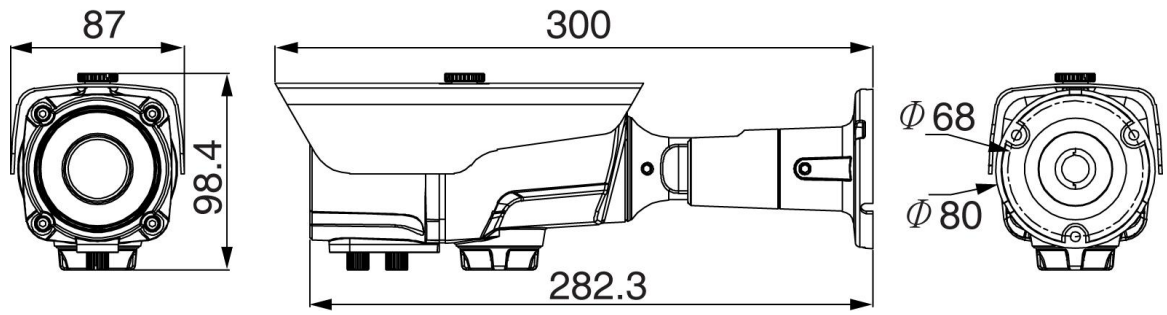
- **Connection Cable**



NO	Name	Description
1	Power Cable	Cable for Power source (DC 12V)
2	Ethernet Cable	Cable for Ethernet (POE)

- **Camera Dimension**

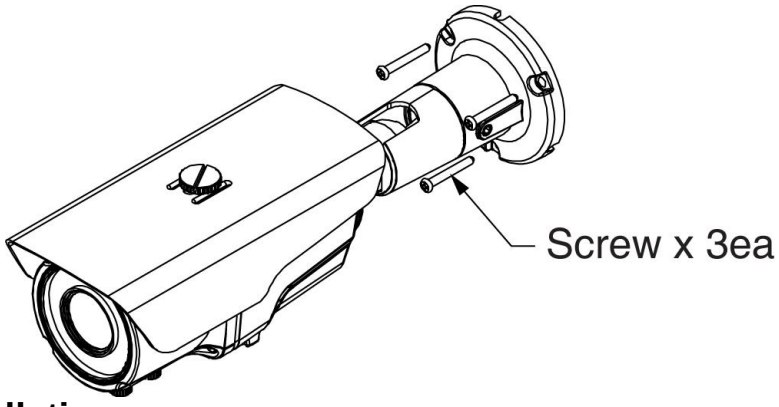
  See the diagrams below for the exact dimension



Dimensions Unit: mm

- **Base Installation(Cable through the wall or ceiling with the mount base)**

  Secure the camera to the wall or ceiling by the camera bracket and 3 screws.

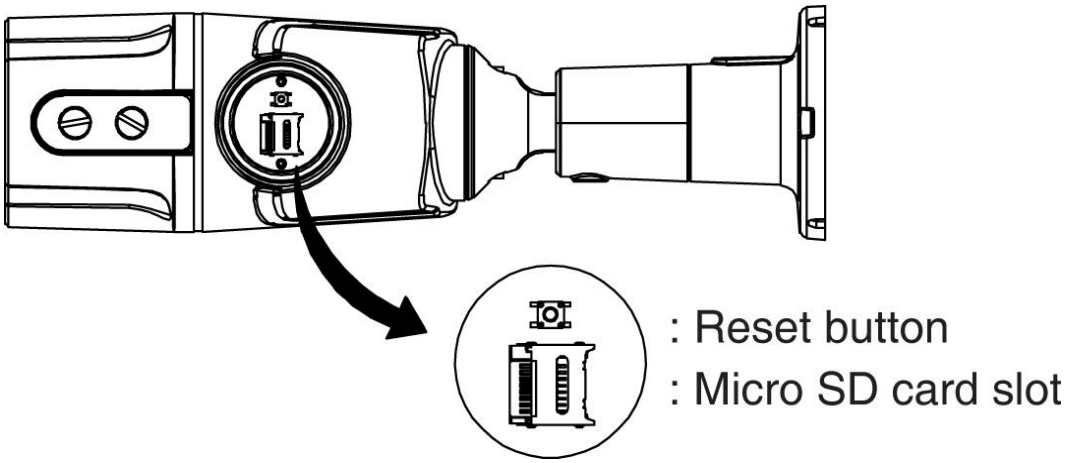


2. Installation

2.1 Connection

- **Connecting to the RJ-45**
  Connect a standard RJ-45 cable to the network port of the network camera. Generally a cross-over cable is used for directly connection to PC, while a direct cable is used for connection to a switch.

- **Micro SD memory slot**
  Remove the front cap of the camera to insert the SD memory card.

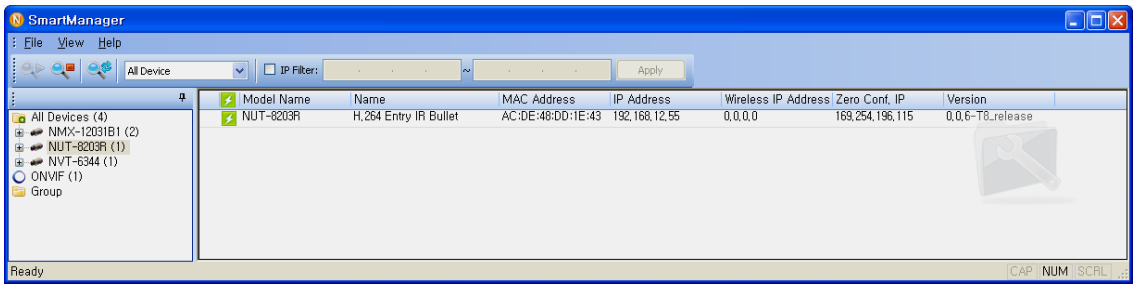


- **Connecting the Power**
  If the switch is not PoE device connect the DC 12V power adaptor to the camera.

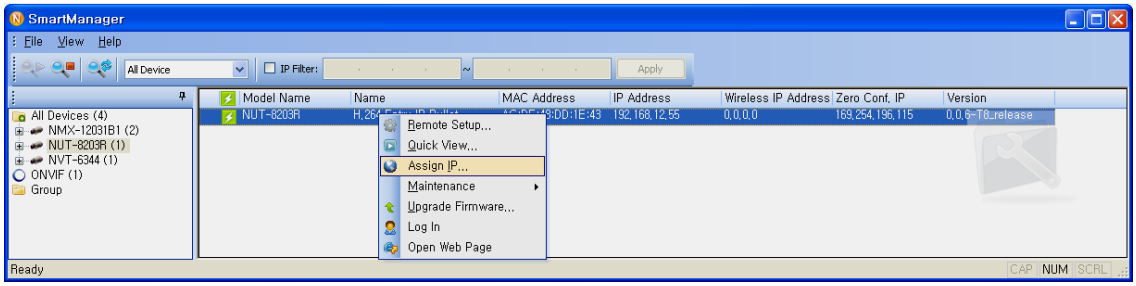
2.2 Network Connection and IP assignment

When the camera is first connected to the network it has a default IP address. So, it is necessary to allocate an IP address to the device with the “Smart Manager” utility on the CD. The factory default IP is “192.168.30.220”.

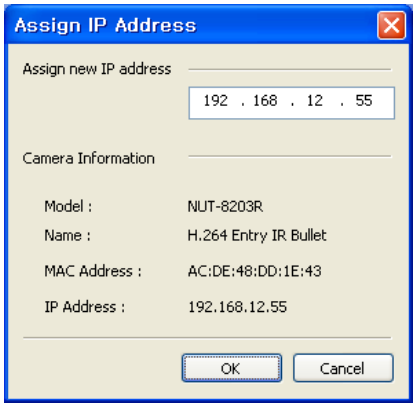
1. Connect the VK2-1080BIR35V16e / device to the network and power up.
2. Start SmartManager utility (Start>All programs>SmartManager>SmartManager), the main window will be displayed, after a short while any network devices connected to the network will be displayed in the list.



3. Select the camera on the list and click the right button of the mouse. You will see the pop-up menu below.



4. Select Assign IP. You cam see a Assign IP window. Enter the required IP address.



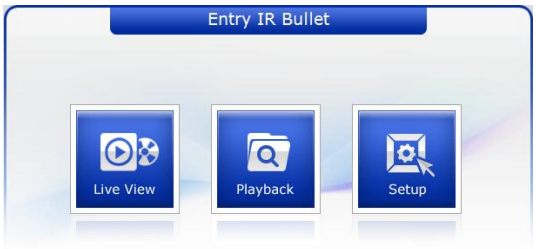
Note: For more information, refer to the Smart Manger User's Manual.

3. Operation

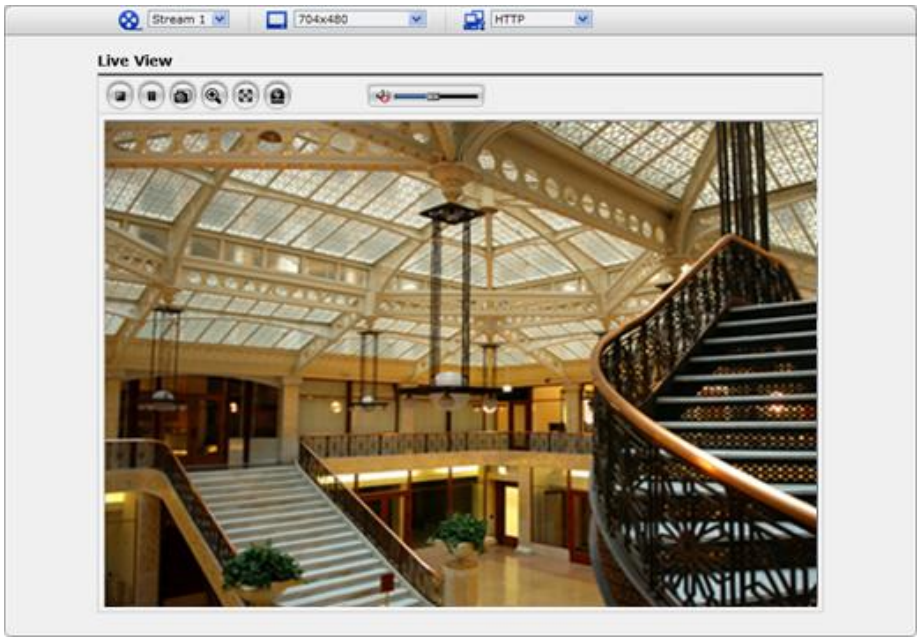
The VK2-1080BIR35V16e can be used with Windows operating system and browsers. The recommended browsers are Internet Explorer, Safari, Firefox, Opera and Google Chrome with Windows.

3.1 Access from a browser

1. Start a browser (Internet Explorer).
2. Enter the IP address or host name of the VK2-1080BIR35V16e in the Location/Address field of your browser.
3. You will see the following start page. Click Live View or Setup to enter web page.



4. The network camera's **Live View** page appears in your browser.



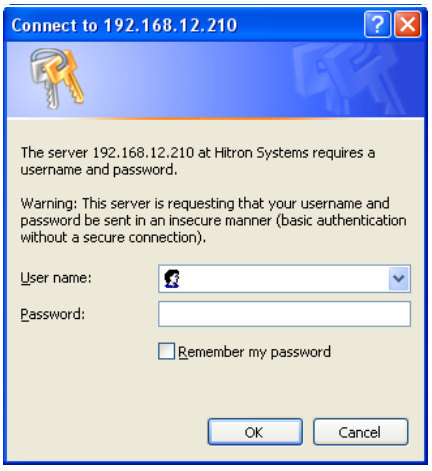
3.2. Access from the internet

Access from the internet once connected, the VK2-1080BIR35V16e is accessible on your local network (LAN). To access the VK2-1080BIR35V16e from the Internet you must configure your broadband router to allow incoming data traffic to the network camera. To do this, enable the NAT-traversal feature, which will attempt to automatically configure the router to allow access to the network camera. This is enabled from Setup > System > Network > NAT.

For more information, please see "3.5.6 System>Network>NAT" of User's Manual.

3.3 Setting the admin password over a secure connection

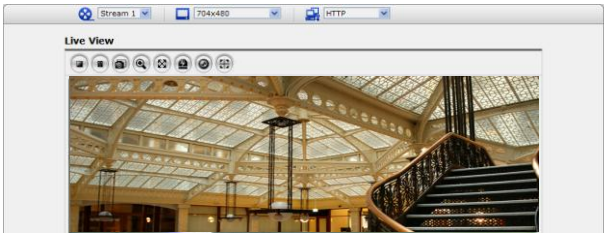
To gain access to the product, the password for the default administrator user must be set. This is done in the "Admin Password" dialog, which is displayed when the VK2-1080BIR35V16e is accessed for the setup at the first time. Enter your admin name and password, set by the administrator.



Note: The default administrator username and password is "admin". If the password is lost, the VK2-1080BIR35V16e must be reset to the factory default settings. See "3.6 Resetting to the Factory Default Settings".

3.4 Live View Page

The live view page comes in several screen modes: 1920x1080, 1280x1024, 1280x720, 704x480(576), 640x480, 352x240(288) and 320x240. Users are allowed to select the most suitable one out of those modes. Please, adjust the mode in accordance with your PC specifications and monitoring purposes.



1) General controls

Live View Page | Search & Playback Page | Setup Page | Help Page

The video drop-down list allows you to select a customized or pre-programmed video stream on the live view page. Stream profiles are configured under Setup > Basic Configuration > Video & Image. For more information, please see “3.5.1 Basic Configuration > Video & Image” of User’s Manual.

The resolution drop-down list allows you to select the most suitable one out of video resolutions to be displayed on live view page.

The protocol drop-down list allows you to select which combination of protocols and methods to use depends on your viewing requirements, and on the properties of your network.

2) Control toolbar

The live viewer toolbar is available in the web browser page only. It displays the following buttons:

- The Stop button stops the video stream being played. Pressing the key again toggles the start and stop. The Start button connects to the VK2-1080BIR35V16e or start playing a video stream.
- The Pause button pause the video stream being played.
- The Snapshot button takes a snapshot of the current image. The location where the image is saved can be specified.
- The digital zoom activates a zoom-in or zoom-out function for video image on the live screen.
- The Full Screen button causes the video image to fill the entire screen area. No other windows will be visible. Press the 'Esc' button on the computer keyboard to cancel full screen view.

The Manual Trigger button activates a pop-up window to manually start or stop the event.

3) Video Streams

The VK2-1080BIR35V16e provides several images and video stream formats. Your requirements and the properties of your network will determine the type you use.

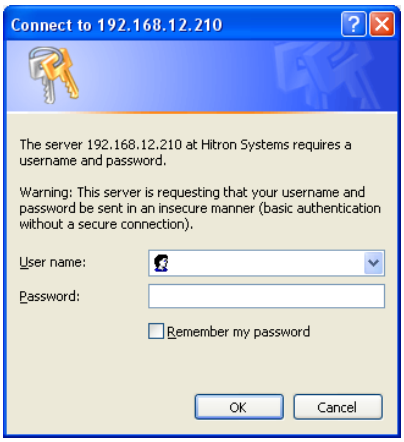
The Live View page in the VK2-1080BIR35V16e provides access to H.264, MPEG-4 and Motion JPEG video streams, and to the list of available video streams. Other applications and clients can also access these video streams/images directly, without going via the Live View page.

3.5 VK2-1080BIR35V16e Setup

This section describes how to configure the network camera, and is intended for product Administrators, who have unrestricted access to all the Setup tools; and Operators, who have access to the settings for Basic, Live View, Video & Image, Event, and System Configuration.

You can configure the VK2-1080BIR35V16e by clicking Setup in the top right-hand corner of the Live View page. Click on this page to access the online help that explains the setup tools

When accessing the VK2-1080BIR35V16e for the first time, the “Admin Password” dialog appears. Enter your admin name and password, set by the administrator.

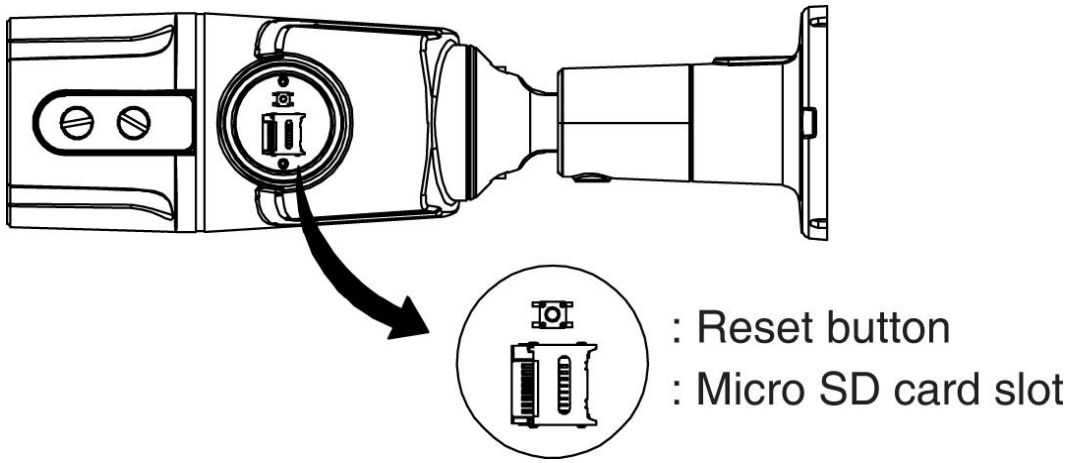


Note: If the password is lost, the VK2-1080BIR35V16e must be reset to the factory default settings.
See “3.6 Resetting to the Factory Default Settings”.

3.6 Resetting to the factory default settings

To reset the VK2-1080BIR35V16e to the original factory settings, go to the Setup>System >Maintenance web page (described in “3.5.6 System>Maintenance” of the User’s Manual) or use the Reset button on the network camera, as described below:

Follow the instructions below to reset the VK2-1080BIR35V16e to the factory default settings using the Reset button.



1. Switch off the VK2-1080BIR35V16e by disconnecting the power adapter.
2. Remove the front cap of the camera.
3. Press and hold the Reset button while reconnecting the power.
3. Keep the Reset button pressed during about 2 seconds or more than.
4. Release the Reset button.
5. The VK2-1080BIR35V16e resets to factory defaults and restarts after completing the factory reset.
   The unit now has the default IP address 192.168.30.220.
6. Close the front cap of the camera.

Caution: When performing a Factory Reset, you will lose any settings you have saved.

3.7 More Information

For more information, please see the VK2-1080BIR35V16e User’s Manual, which is available on the CD included in this package.

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