Ceiling/Wall Mounting

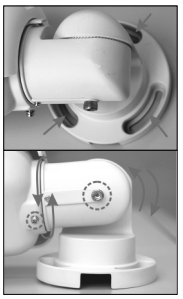
Follow the steps below to install the IP Camera:

Step 1: Unpack the Bullet IP Camera package and take out the IP Camera.

Step 2: Connect the power/Ethernet/alarm/audio wires from ceiling or wall to the corresponding connectors of the camera's All-in-one Cable.

Step 3: Fix the IP Camera's Bracket on the ceiling/wall with supplied self tapping screws

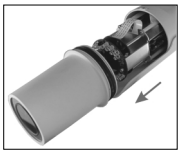
Step 4: Use the supplied Inner Hex Wrench and cross screwdriver to loosen the hex bolt/screw on the side of the Bracket Mount and the Camera Housing to adjust the position of the IP Camera.



Lens Adjustment

Step 1: Unscrew the screw on the Camera Housing and remove the Front Housing.

Step 2: Connect the power/Audio/alarm, I/O wires to the matching connectors.



Step 3: Access the Camera Browser-viewer for viewing images.

Step 4: Adjust the Zoom/ Focus Ring Screw on the lens to set the desired zoom/ focal length.

Step 2: Before Login to the Bullet IP Camera

A client program will be automatically installed on your PC when connecting to the Bullet IP Camera. Before logging in to the Bullet IP Camera, please ensure downloading the ActiveX control is allowed by either changing the ActiveX controls and plug-ins or setting Internet's security level to default. For further details, please refer to the Bullet IP Camera's user manual.

ActiveX Controls and Plug-ins Settings

Step 1: Start the Internet Explorer (IE).

Step 2: Select <Tools> from the main menu of the browser. Then Click <Internet Options>.

Step 3: Click the <Security> tab and select "Internet", and click <Custom level> to change ActiveX settings.

Step 4: Set "ActiveX controls and plug-ins" items to <Prompt> or <Enable>.

Internet Security Level

Step1: Start the IE.

Step 2: Select <Tools> from the main menu of the browser. Then Click <Internet Options>.

Step 3: Click the <Security> tab and select "Internet."

Step 4: Down the page, press "Default Level" and click "OK" to confirm the setting. Close the browser window, and open a new one later for accessing the Bullet IP Camera

Step 3: Bullet IP Camera Login

The Bullet IP Camera's default IP address is: **192.168.1.2**. Therefore, to access the Bullet IP Camera for the first time, set the PC's IP address as: 192.168.1.X; for example:

IP Address: 192.168.1.100

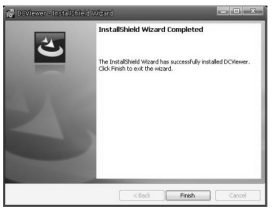
Subnet Mask: 255.255.255.0

Login ID & Password

- Key in the Bullet IP Camera's IP address in the URL bar of the Web browser window and press "Enter."
- Enter the default user name **(root)** and password **(pass)** in the prompt request dialogue. Note that user name is case sensitive.

Install the ActiveX control

- After connecting to the Bullet IP Camera, the request for installing the ActiveX control will appear just below the URL bar.
- Right Click on the information bar, and press "Install ActiveX Control..."to permit ActiveX control installation.
- In the pop-up security warning window, click "Install" to start downloading DC Viewer software on the PC.
- Press "Finish" after DC Viewer installation is complete.



Browser-based Viewer

The main page of the Bullet IP Camera user interface is as shown below. Please note that the function buttons will vary depending on the camera model.

Communicate via *Micro network*

Micronet®
Making Communication Easier

Quick Installation Guide

HD1080p IR Bullet IP Camera

Model No.: SP5591A

Version 1.0

Indroduction

Micronet SP5591A HD1080p Bullet IP Camera is capable of serving real-time streaming and makes image quality more smoothly. In addition to MJPEG real time streaming, this camera develops H.264 codec to apply for high resolution digital broadcast.

With sophisticated mechanical design plus cable management, the HD1080p Bullet IP Camera is easy installed and aesthetic.

Features

- Progressive Scan CMOS Sensor
- Dual Streams, HD1080p + 720p real-time
- H.264 and MJPEG compression
- Motion Detection
- Privacy Masks
- WDR
- Smart Picture Quality/3DNR
- Tampering Alarm
- Day/Night (ICR)
- Micro SD Support
- IR LED
- Weatherproof (IP66 International)
- Sunshield
- ONVIF Support

Package Contents

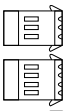
Please check the package contains the following items listed below.

Bullet IP Camera (Cable included)

M4 Self Tapping Screws ×5

Plastic Screw Anchors ×5

Desiccant



×1

Power Terminal Block

×1

M4 Inner Hex Wrench

CD (bundled software and documentation)

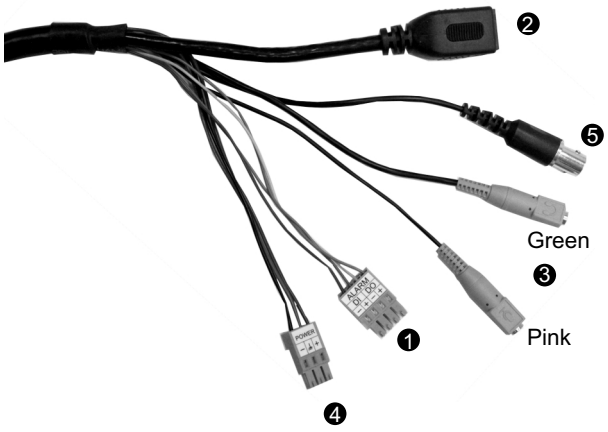
Quick Guide

System Requirements

To perform the IP Camera via web browser, please ensure your PC is in good network connection, and meet system requirements as described below.

Items	System Requirement
Personal Computer	Intel®Pentium® M, 2.16 GHz or Intel® Core™2 Duo, 2.0 GHz 2 GB RAM or above
Operating System	Windows XP / VISTA / 7
Web Browser	Microsoft Internet Explorer 6.0 or above Firefox, Chrome, Safari
Network Card	10Base-T (10 Mbps) or 100Base-TX (100 Mbps) operation or above
Viewer	ActiveX control plug-in for Microsoft IE

Camera Connectors



Cable		Pin No.	Definition		Remarks
1	Alarm	1	ALM_IN－		Alarm connection
		2	ALM_IN＋		
		3	ALM_OUT－		
		4	ALM_OUT＋		
2	Network (with PoE)	_	RJ-45 connector with LED		
3	Audio I/O	Pink	Line In/ Mic In		Two-way audio transmission
		Green	Line Out		
4	Power	1	DC 12V-1	DC (-)	Power connection
		2	GND	Reserved	
		3	DC 12V-2	DC (+)	
5	BNC	_	Analog Video Output		

Step 1: Bullet IP Camera Installation

Please follow the instructions below to complete Bullet IP Camera installation.

Power up the Camera

To power up the Bullet IP Camera, please plug the DC 12V cable into the Camera's power terminal block. Alternatively, connect the Ethernet cable to the camera's PoE port and plug the other end of the cable into a PoE switch.

NOTE: If using PoE, make sure Power Sourcing Equipment (PSE) is in use in the network.

Ethernet Cable Connection

Connect one end of the CAT5 Ethernet cable to the RJ-45 connector of the Bullet IP Camera, and the other end of the cable to the network switch or PC.

NOTE: In some cases, you may need to use an Ethernet crossover cable when connecting the Bullet IP Camera directly to the PC.

NOTE: Check the status of the link indicator and activity indicator LEDs; if the LEDs are unlit, please check LAN connection.

Green Link Light indicates good network connection.

Orange Activity Light flashes for network activity indication.