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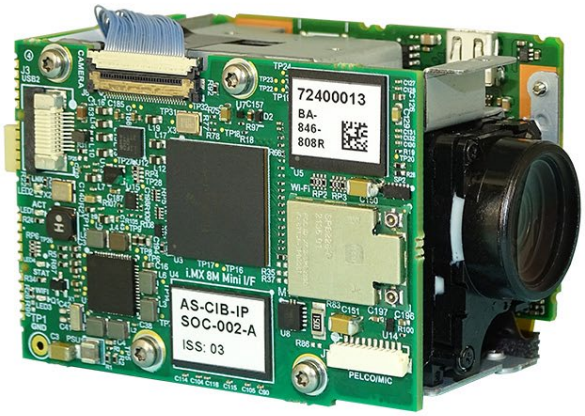
Harrier Wireless IP Autofocus-Zoom Cameras

An Internet Protocol (IP) camera transmits video and audio data over an Ethernet network. Being connected to a network means the camera, or cameras, can be accessed remotely and integrated with other devices and systems that are on the same network.

They are particularly useful for:

- remote video and monitoring applications with restricted access
- simultaneous multiple camera surveillance
- applications where wired connections are impractical or not possible

Using wireless cameras in these situations makes installation simpler, cheaper and more scalable.



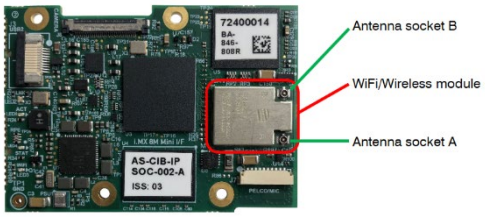
Harrier 10x AF-Zoom IP Camera (Tamron MP3010M-EV) - wireless

View the full range of Harrier wireless AF-Zoom IP cameras

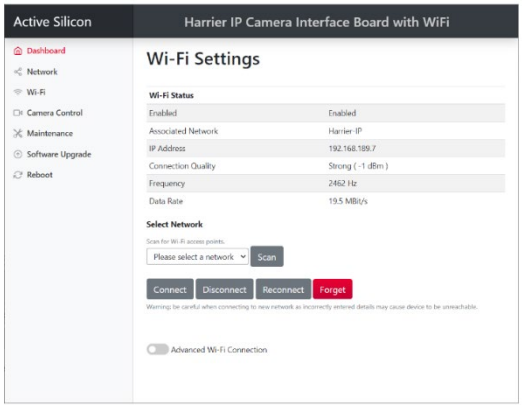
The Technology behind it

A Harrier IP camera transmits and receives data over a network using Harrier IP Camera Interface Board technology. The interface board compresses the camera LVDS video signal (using H.264), converts it to an RTP video stream and sends it to a physical connection to external Gigabit Ethernet systems (using CAT5/6 Ethernet cables), or an optional WiFi wireless module integrated on to the Harrier IP board.

Harrier IP Camera Interface Boards that carry a wireless module, support 2.4/5GHz WiFi communications, and have two microcoaxial MHF4 connectors for antenna connections. **Suitable antennas** can be sourced from our sister company, Solid State Supplies Ltd.



Harrier wireless IP cameras are ONVIF Profile S compatible so any Profile S compatible user-developed software or 3rd party application can be used to control the camera over the IP connection. However, the Harrier AF-Zoom camera modules offer more capabilities than the Profile S API.



These additional camera features can be controlled by sending VISCA commands from the Harrier IP Website (served by the Harrier IP Camera Interface Board), or an ONVIF DeviceIO service API function. Many of the camera's advanced features, such as day/night functionality, optical zoom and WDR, can be controlled in this way.

Why Harrier?

Harrier autofocus-zoom IP cameras benefit from extremely low latency. We've compiled a

guide on **how to obtain the lowest possible latency** from your vision system.

The wireless module in Harrier IP cameras has support for 802.11 ac/a/b/g/n and dual band 2.4/5 GHz. It includes extensive DMA hardware support for data flow to reduce the CPU load and advanced power management for optimum power consumption.

Harrier IP cameras are also amongst the most compact autofocus-zoom cameras on the market. Our smallest module, based on the Tamron MP3010M-EV, measures just 70 x 38.7 x 43mm and weighs less than 120g. This makes them ideal for use in applications where a low SWaP ratio is required, such as mounted on drones and ROVs.

Take a look at our range of **wireless Harrier IP cameras** and get in touch to see how to bring networked imaging to your vision system.

Read the full article on Harrier wireless IP technology

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