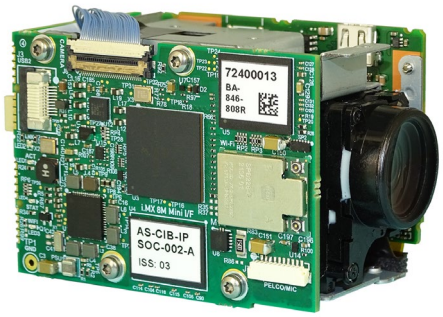
HARRIER IP CAMERA INTERFACE SYSTEM

For LVDS AF-Zoom Block Cameras

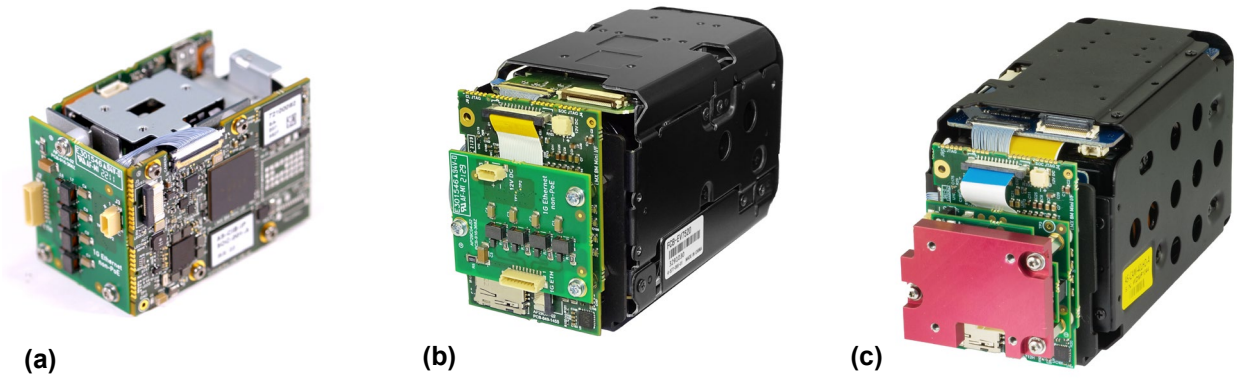
- IP interface board for Tamron, Sony, Harrier and other AF-Zoom cameras
- Low latency H.264 1080p60 video over IP
- Supports ONVIF/RTSP/RTP/VISCA/Pelco-D
- Options for wireless IP and PoE support

FEATURES



- Supports Tamron, Sony FCB-EV-series, Harrier 10x, 36x, 40x and 55x AF-Zoom cameras and other LVDS cameras.
- Support for H.264 IP/RTSP 1080p60/30 low latency video.
- ONVIF Profile S for control of video stream and camera.
- Direct (VISCA) camera control over RS-485 or IP (Software API).
- RS-485 serial port for interfacing to other devices (e.g. camera pan & tilt).
- Built-in website for setup and configuration.
- Graphical overlay support (text and images).
- Support for mono audio input.
- Evaluation kit for fast set-up and evaluation.
- Two board system: Camera interface board (SoC board) plus Ethernet/PoE connection board.

HARRIER IP CAMERAS



(a) (b) (c)

Examples of Harrier IP camera options: Harrier IP Camera Interface Board (SoC) + Harrier Ethernet or PoE Connection Board mounted on various cameras: (a) 10x Tamron MP3010M-EV camera: SoC board on the side, Ethernet connection board on the back (Wi-Fi system see main image) (b) Ethernet system with 30x Sony FCB-EV9520L (c) PoE system with Harrier 55x AF-Zoom Camera

Harrier IP Interface System AS-CIB-IP-00x-A	
AS-CIB-IP-001-A	AS-CIB-IP-SOC-001-A, AS-CIB-IP-IFETH-001-A and FFC cable. (Ethernet)
AS-CIB-IP-002-A	AS-CIB-IP-SOC-002-A, AS-CIB-IP-IFETH-001-A and FFC cable. (Wi-Fi)
AS-CIB-IP-003-A	AS-CIB-IP-SOC-001-A, AS-CIB-IP-IFPOE-001-A and FFC cable. (PoE)
AS-CIB-IP-004-A	AS-CIB-IP-SOC-002-A, AS-CIB-IP-IFPOE-001-A and FFC cable. (Wi-Fi+PoE)
Specifications	
Video input	LVDS video signals; 1080p30 (single LVDS mode) or 1080p60 (dual LVDS mode).
Video res./ rate	1080p 60/30 fps, 720p 50/60
Video compression	H.264
Camera control	ONVIF profile S, VISCA (via Ethernet [ONVIF DeviceIO service] or RS-485)
Protocol support	ONVIF Profile S, IPv4/v6, HTTP, HTTPS, RTSP, RTP, TCP, UDP, RTCP, ICMP, DHCP
Wireless protocols	802.11 a b g n and ac; Dual 2.4 and 5GHz bands
Audio	Mono microphone
Website	The Harrier IP Camera Interface Board hosts an administration website.
Software	The **Harrier IP Example Software** shows how to use ONVIF Media and DeviceIO services to add on screen graphical/text overlays and support VISCA communication with the camera.
Evaluation kit	AS-CIB-IP-001-EVAL-A; power supply, adapter cables, 2x antennas.

Harrier Camera Interface Board AS-CIB-IP-SOC-001-A or AS-CIB-IP-SOC-002-A		**Harrier Ethernet and PoE Connection Board** AS-CIB-IP-IFETH-001-A or AS-CIB-IP-IFPOE-001-A	
Dimensions	58.1mm x 40.5mm.	**Dimensions**	32.8mm x 40.5mm
Weight	12g (without cables)	**Weight (boards)**	Ethernet: 5.5g, PoE: 15g
Power Supply	9V to 16.5V	**Power Supply**	9V to 16.5V or 48V/12W (PoE)
Power Consumption	1.9 – 2.1W (typical 1080p30) 2.6 – 2.8W (typical 1080p60)	**Power Consumption**	Ethernet: 0.0W PoE:~15% load power (max. 1.8W)
Storage Temp.	-20°C to +70°C	**Storage Temp.**	-20°C to +70°C
Operating Temp.	0°C to +60°C	**Operating Temp.**	0°C to +60°C
Relative Humidity	10% to 90% non-condensing	**Relative Humid.**	10% to 90% non-condensing

A range camera options and custom builds are available, please contact Active Silicon for more information.

Active Silicon

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