

HARRIER 40x AF-ZOOM CAMERA

LVDS / CVBS

AS-CAM-40LHD-A

- 1080p 60fps, 40x optical zoom block camera
- Full HD, LVDS and analog video output
- VISCA serial and Pelco – P/D camera control
- LVDS output compatible with Harrier camera interface boards

FEATURES

- 1/2.8" 2MP Sony IMX462LQR-C CMOS sensor.
- 1080p – 60/50/30/25 fps, 720p – 60/50/30/25 fps.
- 40x Optical Zoom & 32x Digital Zoom.
- Video Out: LVDS, CVBS
- Wide Dynamic Range (WDR).
- Digital Image Stabilization and Noise Reduction.
- Privacy Mask Function and Intelligent Motion Detection.
- Day & Night mode - Infrared Cut filter Removal (ICR).
- High Light Compensation (HLC).
- Serial VISCA, Pelco - D/P Control Protocol.



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OVERVIEW

The **Harrier 40x AF-Zoom Camera** is fitted with a 2MP Sony CMOS sensor and offers real-time full HD video output and a powerful 40x optical zoom (32x digital zoom).

The camera simultaneously provides LVDS video and analog CVBS output. Serial VISCA or Pelco-D/P control protocols are available to control the camera.

Special features of this autofocus-zoom block camera include Digital Image Stabilization, Digital Noise Reduction (2D+3D), Privacy Mask Function, High Light Compensation, Intelligent Motion Detection, Defog Function and Day & Night mode (Infrared Cut filter Removal, ICR).

The Harrier 40x AF-Zoom Camera is compatible with all Harrier camera interface boards, which convert the camera LVDS output to video formats such as 3G-SDI, HD-VLC, USB 3 (UVC) and HDMI. For more information, please contact Active Silicon.



AS-CAM-40LHD-A					
Total Pixels	1,945(H) x 1,109(V) = 2.16M pixels		Active Pixels	1,937(H) x 1,097(V) = 2.12M pixels	
Video Modes	1080p60/50/30/25 fps, 720p/60/50/30/25 fps		Minimum Illumination	Color(1/30s, 79.5dB) : 0.01 lux , Color DSS(1/1s, 79.5dB) : 0.001 lux	
S/N ratio ¹	more than 50dB (AGC off)		Focal length	f = 4.25 mm ~ 170 mm	
Aperture	F1.6 (wide) ~ F4.95 (tele)		Exposure	Auto/Iris Priority/Shutter Priority/Manual	
View Angle Wide/Tele	73.8° (D)	66.35° (H)	39.98° (V)	Shutter spd.	1/30(25) ~ 1/30,000 sec
	2.16° (D)	1.90° (H)	1.11° (V)		Iris
Day & Night	Auto / Day / Night / Ext-in		Brightness	0-14 steps	
Minimum Distance	0.1m - 10.0m (focus near limit range)		DSS ²	OFF / 2x / 4x / 8x / 16x / 32x (/64x : 60 or 50fps mode only)	
Img. Comp.	OFF / BLC / HLC / WDR ³		White Bal.	Auto/One Push/Manual/Indoor/Outdoor	
Sharpness	0 - 15 steps		DNR ⁴	2D/3D, 2D + 3D (Level: 0-15 steps)	
Defog	OFF / Manual / Auto		Privacy	Mask OFF / ON (8 masks)	
DWDR ⁵	OFF / Manual / Auto		Motion	Detection OFF / ON (4 regions)	
Control Protocol	Serial VISCA Pelco-D / P		Baud Rate	2400 / 4800 / 9600 / 19200 / 38400 / 57600 / 115200	
Voltage	9 - 15V DC		Current	Max. 530mA	
Storage	-20°C - +60°C (Humidity: 0%RH - 90%RH)		Operation	-10°C - +50°C (Humidity: 0%RH - 90%RH)	
Dimensions	101(L) x 54(W) x 64(H) mm		Weight	355g	

1: Signal-to-Noise ratio 2: Digital Slow Shutter, 3: Back- and High light Compensation, Wide Dynamic Range, 4: Digital Noise Reduction, 5: Digital Wide Dynamic Range

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
AS-CAM-40LHD-A	Harrier 40x AF-Zoom Camera (LVDS/CVBS)
AS-CIB-USBHDMI-002-40LHD-A	Harrier 40x AF-Zoom USB/HDMI Camera
AS-CIB-3GSDI-002-40LHD-A	Harrier 40x AF-Zoom 3G-SDI Camera
AS-CIB-IP-00x-40LHD-A	Harrier 40x AF-Zoom IP Camera; four variants including wireless and PoE options (x=1, 2, 3 or 4)



CONTACT DETAILS

Headquarters:

Active Silicon Ltd
1 Waterside Court, Waterside Drive,
Langley, Berks, SL3 6EZ, UK.

Tel: +44 (0)1753 650600
Email: info@activesilicon.com
Website: www.activesilicon.com

North America:

Active Silicon, Inc.
479 Jumpers Hole Road, Suite 301,
Severna Park, MD 21146, USA.

Tel: +1 410-696-7642
Email: info@activesilicon.com
Website: www.activesilicon.com