

HARRIER 10x AF-ZOOM CAMERA

LVDS / CVBS, GLOBAL SHUTTER

AS-CAM-10LGHD-A

- 1080p 60fps, 10x optical zoom block camera
- LVDS and analog video output
- 1/3.1" 3MP global shutter sensor
- VISCA serial and Pelco – P/D camera control

FEATURES

- 1/3.1" Sony Pregius IMX900-AQR-C CMOS global shutter sensor.
- 1080p – 60/50/30/25 fps, 720p – 60/50/30/25 fps.
- 10x Optical Zoom & 32x Digital Zoom.
- Video Out: LVDS, CVBS.
- Digital Image Stabilization and Noise Reduction.
- Privacy Mask Function and Intelligent Motion Detection.
- Day & Night mode - Infrared Cut filter Removal (ICR).
- High/Back Light Compensation (HLC/BLC).
- Serial VISCA, Pelco - D/P Control Protocol.
- Compatible with Active Silicon Harrier camera interface boards



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OVERVIEW

The compact **Harrier 10x Autofocus-Zoom Camera with global shutter** offers real-time full HD video output and a Day & Night zoom lens with 10x optical zoom (32x digital zoom). A 3MP Sony global shutter CMOS sensor allows the capture of moving objects without the distortion that can occur with rolling shutters.

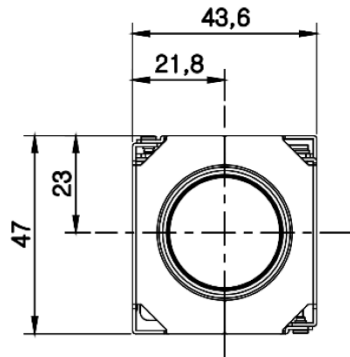
The camera provides LVDS and analog CVBS video. Serial VISCA or Pelco-D/P Control Protocol is available for camera control.

The features include Day & Night mode (ICR functionality), 2D+3D Digital Noise Reduction and Defog Function, which make this global shutter block camera especially suitable for low-light scenarios and challenging environments. The camera also supports Digital Image Stabilization, Intelligent Motion Detection and Privacy Mask Function, as well as High/Back Light Compensation (HLC/BLC). External trigger and strobe out function are available.

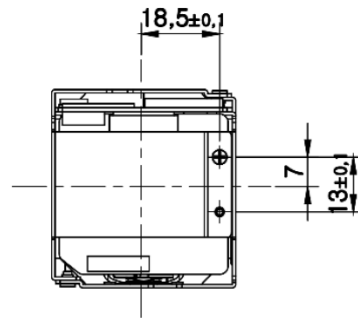
The **Harrier 10x AF-Zoom Camera** is compatible with Harrier camera interface boards, which convert the camera LVDS output to USB 3 (UVC) / HDMI or Ethernet IP.



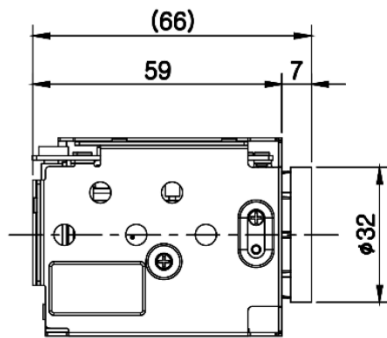
DIMENSIONS



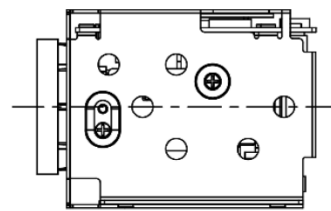
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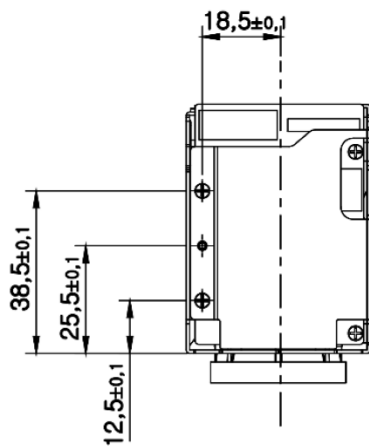
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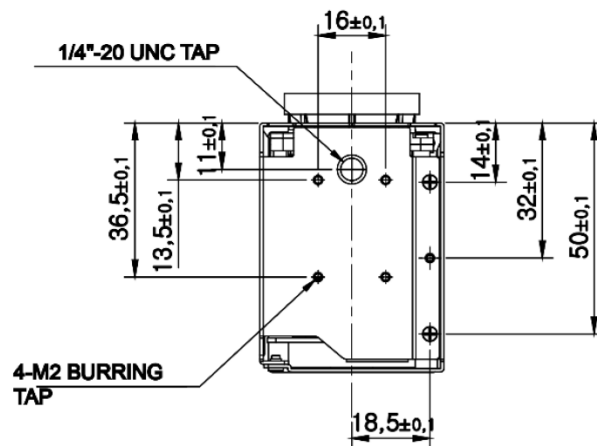
LEFT



RIGHT



TOP



BOTTOM



AS-CAM-10LGHD-A					
Total Pixels	2,064(H) x 1,592(V) = 3.28M pixels		Eff. Pixels	2,064(H) x 1,552(V) = 3.20M pixels	
Video Modes	1080p 60/50/30/25 fps, 720p 60/50/30/25 fps		Minimum Illumination	Color (1/30s, 48dB) : 0.1 lux , Color DSS (1/1s, 48dB) : 0.01 lux	
S/N ratio¹	more than 50dB (AGC off)		Focal length	f = 4.7mm ~ 47.0mm	
Aperture	F1.7 (wide) ~ F3.1 (tele)		Exposure	Auto/Iris Priority/Shutter Priority/Manual	
View Angle Wide/Tele	53.94° (D)	47.84° (H)	28.02° (V)	Shutter spd.	1/1 ~ 1/40,000 sec
	6.96° (D)	6.07° (H)	3.41° (V)		Iris
Day & Night	Auto / Day / Night / Ext-in		Brightness	0-14 steps	
Min. Distance	1 / 2 / 3 / 5 / 10m		DSS²	OFF / 2x / 4x / 8x / 16x / 32x (/64x : 60 or 50fps mode only)	
Backlight	OFF / BLC ³ / HLC ⁴		White Balance	Auto/One Push/Manual/Indoor/Outdoor/ Auto-Extended	
Sharpness	0 - 15 steps		DNR⁵	2D/3D, 2D+3D (Level : 0 ~ 15 steps)	
Defog	OFF / Manual / Auto		Privacy	Mask OFF / ON 8 masks	
Mirror	OFF / H / V / H&V ⁶		Motion	Detection OFF / 4 regions	
Control Pr.	Serial VISCA, Pelco-D / P		Baud Rate	9600 / 19200 / 38400 / 57600 / 115200	
Voltage	9 - 15V DC		Current	420mA (@12 VDC)	
Storage	-20°C - +60°C (Humidity: 0%RH - 90%RH)		Operation	-10°C - +50°C (Humidity: 0%RH - 90%RH)	
Dimensions	66(L) x 43.6(W) x 47(H) (mm)		Weight	165g	

1: Signal-to-Noise ratio, 2: Digital Slow Shutter, 3: Back Light Compensation, 4: High Light Compensation, 5: Digital Noise Reduction, 6: horizontally/vertically

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
AS-CAM-10LGHD-A	Harrier 10x AF-Zoom Camera with global shutter (LVDS/CVBS)
AS-CIB-USBHDMI-002-10LGHD-A	Harrier 10x AFZ USB/HDMI Camera GS
AS-CIB-IP-00x-10LGHD-A	Harrier 10x AF-Zoom IP Camera GS (x in part number = 1,2,3 or 4)



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