

HARRIER 30x AF-ZOOM CAMERA

LVDS / CVBS, GLOBAL SHUTTER

AS-CAM-30LGHD-A

- 1080p 60fps, 30x 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.
- 30x Optical Zoom & 32x Digital Zoom.
- Video Out: LVDS, BT1120, 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



AS-CAM-30LGHD-A

OVERVIEW

The **Harrier 30x Autofocus-Zoom Camera** offers real-time full HD video output and a powerful Day & Night zoom lens with 30x 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.

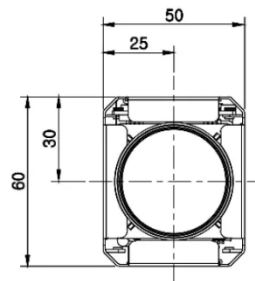
The camera provides LVDS, BT1120 and analog CVBS video. Serial VISCA or Pelco-D/P Control Protocol is available to control the camera.

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.

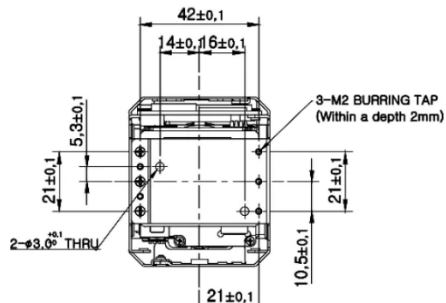
The **Harrier 30x AF-Zoom Camera** is compatible with Harrier camera interface boards, which convert the camera LVDS output to USB 3 (UVC) and HDMI or Ethernet IP.



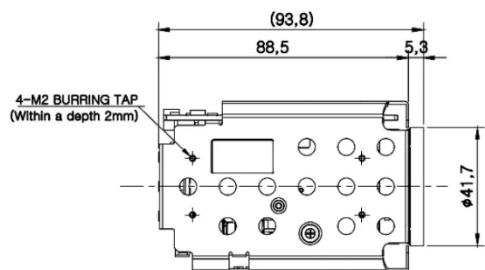
DIMENSIONS



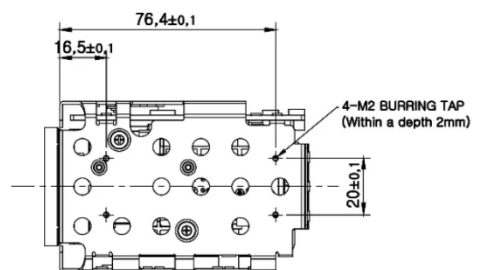
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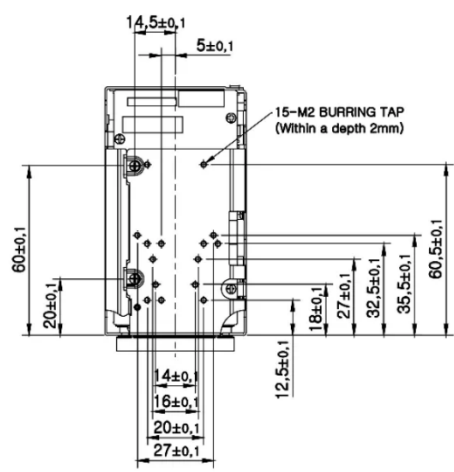
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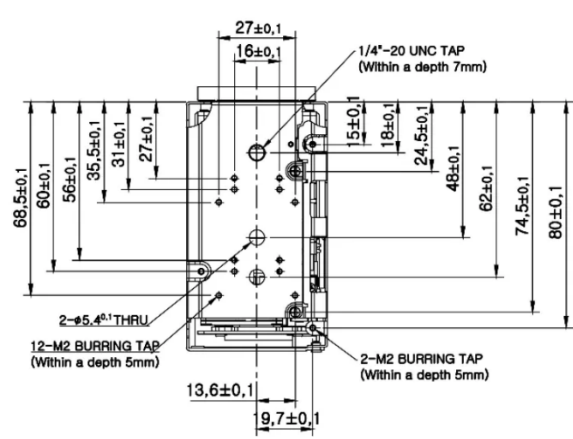
LEFT



RIGHT



TOP



BOTTOM



AS-CAM-30LGHD-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 = 4.6mm ~ 136.0mm
Aperture	F1.63 (wide) ~ F4.85 (tele)			Exposure	Auto/Iris Priority/Shutter Priority/Manual
View Angle Wide/Tele	56.62° (D)	50.3° (H)	29.59° (V)	Shutter spd.	1/30(25) ~ 1/40,000 sec
	2.08° (D)	1.82° (H)	1.02° (V)	Iris	Closed ~ F1.6
Day & Night	Auto / Day / Night / Ext-in			Brightness	0-14 steps
Min. Distance	Wide: 0.5 m, Tele: 1.5 m (Focus near limit must be set)			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 - 10 steps			DNR⁵	2D/3D, 2D+3D (Level : 0 ~ 15 steps)
Defog	OFF / Manual / Auto			Privacy	Mask OFF / ON 8 points
Mirror	OFF / H / V / H&V ⁶			Motion	Detection OFF / 3 points
Control Pr.	Serial VISCA, Pelco-D / P			Baud Rate	9600 / 19200 / 38400 / 57600 / 115200
Voltage	9 - 15V DC			Current	550mA (@12VDC)
Storage	-20°C - +60°C (Humidity: 0%RH - 90%RH)			Operation	-10°C - +50°C (Humidity: 0%RH - 90%RH)
Dimensions	93(L) x 50(W) x 60(H) (mm)			Weight	278g

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-30LGHD-A	Harrier 30x AF-Zoom Camera with global shutter (LVDS/BT1120/CVBS)
AS-CIB-USBHDMI-002-30LGHD-A	Harrier 30x AFZ USB/HDMI Camera with global shutter
AS-CIB-IP-00x-30LGHD-A	Harrier 30x AF-Zoom IP Camera with global shutter (x in part number = 1,2,3 or 4)



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