HARRIER 55x AF-ZOOM CAMERA

LVDS / CVBS

AS-CAM-55LHD-A

- 5MP, 1080p 30fps, 55x 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" 5MP Sony IMX335 CMOS sensor.
- 1080p 30/25 fps, 720p 30/25 fps.
- 55x 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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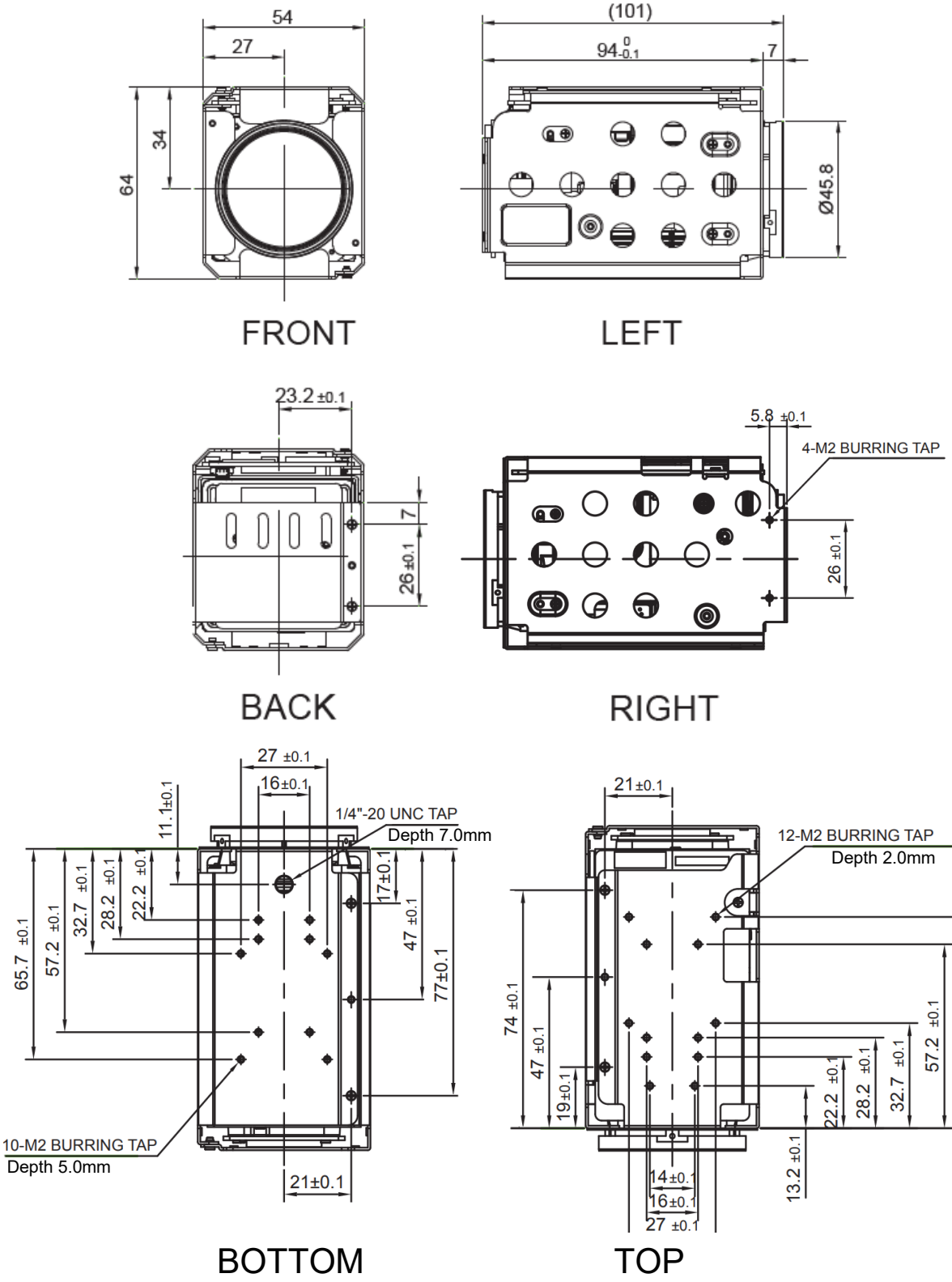
OVERVIEW

The **Harrier 55x AF-Zoom Camera** is a 2MP high resolution camera with a powerful 55x optical hybrid zoom. It provides Full HD video up to 1080p30 with LVDS video and simultaneous CVBS output. Serial VISCA or Pelco-D/P control protocols for camera control are supported.

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 55x AF-Zoom Camera is compatible with all Harrier camera interface boards, which convert the camera LVDS output to video formats such as HD-SDI, HD-VLC, USB 3 (UVC) and HDMI. For more information, please contact Active Silicon.

DIMENSIONS


54
27
34
64
FRONT
(101)
94 0 -0.1
7
Ø45.8
LEFT
23.2 ±0.1
7
26 ±0.1
BACK
5.8 ±0.1
4-M2 BURRING TAP
26 ±0.1
RIGHT
27 ±0.1
16±0.1
11.1±0.1
1/4"-20 UNC TAP
Depth 7.0mm
65.7 ±0.1
57.2 ±0.1
32.7 ±0.1
28.2 ±0.1
22.2 ±0.1
17±0.1
47 ±0.1
77±0.1
10-M2 BURRING TAP
Depth 5.0mm
21±0.1
BOTTOM
21±0.1
12-M2 BURRING TAP
Depth 2.0mm
74 ±0.1
47 ±0.1
19±0.1
22.2 ±0.1
28.2 ±0.1
32.7 ±0.1
57.2 ±0.1
65.7 ±0.1
13.2 ±0.1
14±0.1
16±0.1
27 ±0.1
TOP

AS-CAM-55LHD-A					
Total Pixels	2,704(H) x 2,104(V) = 5.69M pixels			**Active Pixels**	2,616(H) x 1.960(V) = 5.13M pixels
Video Modes	1080p 30/25 fps, 720p 30/25 fps			**Minimum Illumination**	Color(1/30s, 72.0dB) : 0.02 lux , Color DSS(1/1s, 72.0dB) : 0.002 lux
S/N ratio [1]	more than 50dB (AGC off)			**Focal length**	f = 4.25 mm ~ 234 mm
Aperture	F1.6 (wide) ~ F4.95 (tele)			**Exposure**	Auto/Iris Priority/Shutter Priority/Manual
View Angle Wide/Tele	69.3° (D)	62.13° (H)	37.44° (V)	**Shutter spd.**	1/1 ~ 1/100,000 sec
	1.48° (D)	1.29° (H)	0.73° (V)	**Iris**	Closed ~ F1.6
Day & Night	Auto / Day / Night / Ext-in			**Brightness**	0-14 steps
Minimum Distance	0.1m - 10.0m (focus near limit range)			**White Bal**	Auto / One Push / Manual / Indoor / Outdoor / Auto-Ext
Img. Comp.	OFF / BLC / HLC [2]			**DSS** [3]	OFF / 2x / 4x / 8x / 16x / 32x
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			**Power**	Max. 6.5W, Typical ~4W
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: Back- and High light Compensation, 3: Digital Slow Shutter, 4: Digital Noise Reduction, 5: Digital Wide Dynamic Range

ORDERING INFORMATION

PART NUMBER	*DESCRIPTION*
AS-CAM-55LHD-A	Harrier 55x AF-Zoom Camera (LVDS/CVBS)
AS-CIB-USBHDMI-002-55LHD-A	Harrier 55x AF-Zoom USB/HDMI Camera
AS-CIB-HDSDI-002-55LHD-A	Harrier 55x AF-Zoom HD-SDI Camera
AS-CIB-IP-00x-55LHD-A	Harrier 55x AF-Zoom IP Camera; four variants including wireless and PoE options (x=1, 2, 3 or 4)

Active Silicon

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