



Videology®

Industrial-Grade Cameras

an inTEST Company

2.13MP 10x Auto Focus Zoom Camera with LVDS, EX-SDI, CVBS & WDR 24Z2.1W-10X-LVDS-462 **Preliminary**

Product Features

- 1/2.8" 2.13MP Sony STARVIS Image Sensor
- 1080p / 720p 60/ 50/ 30/ 25fps
- Auto Focus Zoom
- 10x Optical Zoom, 32x Digital Zoom
- 5 Zoom Presets
- Real Time True WDR
- Digital Noise Reduction
- Extended SDI
 - Transmissions to 500m (1650 ft)
 - Full HD digital format using standard cabling - coax, cat5/6
 - Latency <1 fps.
 - Power & control over same cable
- LVDS, EX-SDI
- CVBS analog video output



Technical Specifications

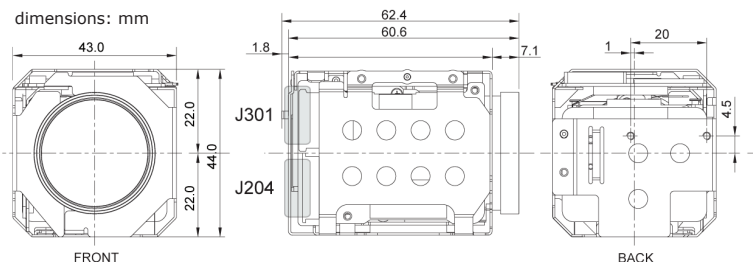
Electrical

		24Z2.1W-10X-LVDS-462
Image Sensor	1/2.8" SONY STARVIS sensor IMX462LQR-C	
Total Pixels	1945 (H) x 1109 (V) 2.16MP	
Active Pixels	1945 (H) x 1097 (V) 2.13MP	
Scan Mode	Progressive	
Sync. System	Internal	
Resolution	Digital	1080p, 720p (60/ 50/ 30/ 25 fps)
	Analog*	>700 TVL (NTSC/PAL)
Min. Illumination	1/30s	Color: 0.003 lux, B&W: 0.0004 lux
	DSS 1/8s	Color: 0.00075 lux, B&W: 0.0001 lux
Video Output	HD: LVDS / EX-SDI	
	Analog SD: CVBS (without WDR)	
Signal to Noise Ratio	50dB (AGC off)	
Communication	Visca / Pelco-D / Pelco-P	
Power Supply	9VDC to 15VDC	
Current Consumption	400mA	

Parameter Controls

Focus	Auto/ Trigger/ Manual	
Zoom	Distance Presets	0.1m/ 1.0m/ 3.0m/ 5.0m/ 10.0m
	Optical	10x
	Digital	Off/ up to 32x
	Presets	5
Exposure	Auto/ Iris Priority/ Shutter Priority /Manual	
Gain Control (AGC)	Off/ On	
Shutter Speed	Auto 1/30 (NTSC), 1/25 (PAL)-1/30,000 sec.	
Iris	0 ~ 20 steps	
Digital Slow Shutter	Off / x2 / x4 (x8 60 or 50 fps mode only)	
Brightness	0 ~ 20 steps	
WDR / BLC	Off/ WDR/ BLC	
Day & Night (Passive)	Auto/Day (color)/ Night (B/W)/ External Input	
White Balance	Auto/ Push to Set/ Manual/ Indoor/ Outdoor	
HLC	Off/ On/ Night Only	
DNR	Auto/ Off/ Low/ Middle/ High	
Mirror/Flip	Off/ H (mirror)/ V (flip)/ H&V	
Edge Enhancement	0 ~ 10 steps	
Adaptive Contrast Enhancer	Off/ Low/ Middle/ High	
Defog	Off/ On (Auto/ Manual)	
Privacy Mask	Off/ 24 Positions	
Motion Detection	Off/ 3 Positions	
Pixel Detection	Off/ On	

*Operates concurrently if WDR mode is off.



J204 05002HR-24J05 (YEONHO)

01 GND	13 485-DIR
02 TxD	14 F/W_SEL
03 RxD	15 GND
04 Reserved	16 +5V_OUT
05 GND	17 GND
06 Reserved	18 CVBS-OUT
07 GND	19 GND
08 ADKEY	20 DC 12V
09 IR-ON	21 DC 12V
10 D/N-IN	22 DC 12V
11 EX-SDI ON	23 DC 12V
12 MD-OUT	24 DC 12V

J301 USL00-30L-C (KEL Cop.)

01 TXOUT3+	16 12VDC
02 TXOUT3-	17 12VDC
03 TXCLKOUT+	18 12VDC
04 TXCLKOUT-	19 GND
05 TXOUT2+	20 GND
06 TXOUT2-	21 TXOUT7+
07 TXOUT1+	22 TXOUT7-
08 TXOUT1-	23 TXOUT6+
09 TXOUT0+	24 TXOUT6-
10 TXOUT0-	25 EX-SDI+
11 GND	26 EX-SDI-
12 TxD CMOS 5V	27 TXOUT5+
13 RxD	28 TXOUT5-
14 12VDC	29 TXOUT4+
15 14VDC	30 TXOUT4-

Environmental

Operating Temperature	-10°C ~ 50°C (14°F ~ 122°F)
Storage Temperature	-20°C ~ 60°C (04°F ~ 140°F)

Mechanical

Dimensions WxHxD	43mm x 44mm x 62.4mm (1.69" x 1.73" x 2.46")
Weight	112g (3.95oz)

Lens

Lens	Lens Type	10x Day/Night (passive) Zoom Lens
	Zoom Ratio	Optical 10x, Digital 32x
	Focal Length	f = 5.1mm ~ 51mm
	Aperture Ratio	F1.6 (Wide) ~ F1.8 (Tele)
	Field of View (DxHxV)	Wide 64° 57° 34° Tele 7.1° 6.2° 3.5°

Accessories

Control Board		60MC0001
Transmitter/ Receiver Packages	Coax	60TR0001 (270MHz ver 1.0)
	UTP	60TR0004 (270MHz ver 1.0)
	UTC	60TR0003 (270MHz ver 1.0)
Repeater	Coax only	60RP0001 (270MHz ver 1.0)

See user guide for more details.

www.videologyinc.com

HEADQUARTERS LOCATION

Videology Industrial-Grade Cameras
35 Hampden Road
Mansfield, MA 02048 | United States

All data subject to change without notice.

10/04/22 24Z2.1W-10X-LVDS-462 Rev A Preliminary

EUROPE LOCATION

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Every day. Every time.