



## 2.17MP 30x Autofocus Zoom Camera

with EX-SDI, HD-SDI, CVBS & WDR  
24Z2.1WS-30X-EXSDI-385 Preliminary

### Product Features

- 1/2" 2.1 MP Image Sensor
- 1080p / 720p  
60/ 50/ 30/ 25fps
- Autofocus Zoom
- 30x Optical Zoom, 32x Digital Zoom
- 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
- HDMI, HD-SDI, CVBS analog, HD-TVI video output
- VISCA, PELCO-D, PELCO-P, UTC



### Technical Specifications

<b>Electrical</b>	24Z2.1WS-30X-EXSDI-385	
Image Sensor	1/2" Sony Exmor CMOS	
Total Pixels	1952 (H) x 1113 (V) 2.17MP	
Active Pixels	1937 (H) x 1097 (V) 2.12MP	
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: 0.15 lux, B&W: 0.01 lux
	DSS 1/7.5s	Color: 0.0375 lux, B&W: 0.002 lux DSS(1/7.5s) : 0.002 lux
Video Output	HD-SDI/ EX-SDI/ CVBS analog*/ HD-TVI	
Signal to Noise Ratio	>50dB (AGC off)	
Communication	Visca/ Pelco-D/ Pelco-P/ UTC	
Power Supply	9VDC to 15VDC	
Current Consumption	250mA	

### Parameter Controls

Focus	Auto/ Trigger/ Manual	
Zoom	Distance Presets	0.1m/ 1.5m/ 3.0m/ 5.0m/ 10.0m
	Optical	30x
	Digital	Off/ up to 32x
	Speed	0 (Slow) - 7 (Fast)
Exposure	Auto/ Manual	
Gain Control (AGC)	Off/ On	
Shutter Speed	Auto 1/30 (NTSC), 1/25 (PAL)-1/30,000 sec. or 14 Fixed speeds	
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	Auto/Day (color)/ Night (B/W)/ External Input	
White Balance	Auto/ Push to Set/ Manual/ Indoor/ Outdoor	
HLC	Off/ On/ Night Only	
Mode	Auto / Iris. Priority / Shut. Priority / Manual	
Digital Image Stabilizer	On / Off	
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)	
Gamma	0.45 / 0.55 / 0.65 / 0.75	
Privacy Mask	Off/ 24 Positions	
Motion Detection	Off/ 3 Positions	
Pixel Detection	Off/ On	

\*Operates concurrently if WDR mode is off.

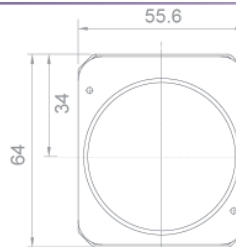
[www.videologyinc.com](http://www.videologyinc.com)

#### HEADQUARTERS LOCATION

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

#### EUROPE LOCATION

Videology Industrial-Grade Cameras  
High Tech Campus 5  
5656 AE Eindhoven | The Netherlands

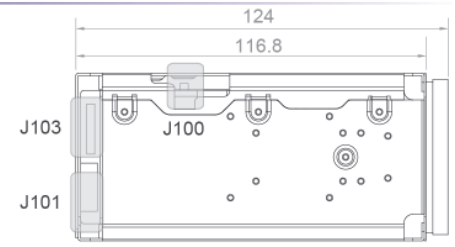


FRONT

**J100 MMCX**  
HD-SDI default  
EX-SDI via OSD control

#### J101 FPC ZIF 1MM 9POS

01 RxD	
02 TxD	
03 GND	
04 DC+12V	
05 GND	
06 CVBS-OUT	
07 GND	
08 Reserved	
09 GND	



TOP

dimensions: mm

#### J103 USL00-30L-C (KEL) 0.4MM-30POS

01 Reserved	16 +5V-OUT
02 GND	17 GND
03 CVBS-OUT	18 GND
04 GND	19 DC+12V
05 TX_HPD	20 DC+12V
06 TX_SDA	21 DC+12V
07 TX_SCL	22 GND
08 TXC-	23 GPIO2
09 TXC+	24 GPIO1
10 TX0-	25 ADKEY (OSD Control)
11 TX0+	26 D/N-IN
12 TX1-	27 IR-ON
13 TX1+	28 Motion Detection OUT
14 TX2-	29 RS-485 (-)
15 TX2+	30 RS-485 (+)

### Environmental

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

### Mechanical

Dimensions WxHxD	55.6mm x 64mm x 124mm (2.2" x 2.5" x 4.9")
Weight	410g (14.46oz)

### Lens

Lens	Lens Type	30x Day/Night Zoom Lens
	Zoom Ratio	Optical 30x, Digital 32x
	Focal Length	f = 6.0mm ~ 180mm
	Aperture Ratio	F1.5 (Wide) ~ F4.3 (Tele)
	Field of View (DxHxV)	Wide 65.56° 58.44° 34.11° Tele 2.81° 2.45° 1.39°

### Accessories

Control Board		60MC0002
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 application note for more details.



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