



Z3Cam™

Expand Your Reach

*H.265 and H.264 IP Video
Camera Solutions*

www.Z3technology.com

Z3Cam·DX™

Dual Spectrum IP Camera



Details

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| Camera Features | <ul style="list-style-type: none">• 1/2.3in 4K CMOS image sensor• Image capture up to 8.51 mega pixels• 30x zoom in 2160p30 using Sony's patented Super Resolution zoom, 40x zoom in 1080p• Noise reduction algorithm for high frequency and high detail areas• Visibility enhancer ICR (Day and Night)• High sensitivity image processor and wide dynamic range• Leverages Sony's FCB-ER8530 4K camera module |
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| Thermal Camera Features | <ul style="list-style-type: none">• High contrast thermal imaging camera• Integrated Shutter for imaging calibration• Supports 320 x 240 resolution• Pass Tamarisk control commands over IP via Web GUI or SSH• Image control Wht Hot, Blk Hot, Invert Revert• Leverages DRS Tamarisk camera module |
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| Streaming Features | <ul style="list-style-type: none">• H.265, H.264 or MJPEG encoded video over IP with no distance limitations• Supports 4K UHD and HD resolutions up to 30 fps (2160p, 1080p, 720p, and lower)• Outputs RTP, RTSP, MPEG-2 TS or RTMP*• Simultaneously stream and/or record in multiple resolutions and bitrates• Compatible with Wowza Streaming Engine™* and You Tube Live*• Dual Camera Streaming• Dual monitor view optional; or visible with thermal overlay picture-in picture mode |
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| Decode | <ul style="list-style-type: none">• Compatible with ZEUS® HE265-DEC (also available from Z3 Technology)• PC decoding |
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Specifications

Interfaces	Gigabit Ethernet, USB 2.0, Line Level Audio Input and Composite Video Output
Power	7.5W typical while encoding H.265 video
Mount	1/4 20 UNC tripod screw hole on bottom of unit
Dimensions	121 x 125 x 62 mm (4.8 x 4.9 x 2.4 in)
Weight	955 g (2.1 lb)

Z3Cam·LX™

Lowlight eXtreme H.265 4K IP Camera



Details

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| Camera Features | <ul style="list-style-type: none">• 35mm full frame CMOS sensor• ISO 409,600/0.004 LX• Long Exposure and High ISO noise reduction• High sensitivity image processor• Easily mount to gimbal or tripod, top and bottom bracket mount• Additional composite input for dual camera set-up with dual monitoring viewing or Picture in Picture display• Interchangeable E-mount FE lenses* |
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| Streaming Features | <ul style="list-style-type: none">• H.265, H.264 or MJPEG encoded video over IP• Supports 4K UHD and HD resolutions up to 29.97/25 (2160p, 1080p, 720p, and lower)• Outputs RTP, RTSP, MPEG-2 TS or RTMP*• Simultaneously stream and/or record in multiple resolutions and bitrates• Supports unicast and multicast streaming |
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| Control | <ul style="list-style-type: none">• IP Control and Configuration• RS-485/422• Z3 web interface with live video preview• RS-232/GPIO• Supports ONVIF® Profile S and T |
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Recording	Compressed USB Recording, MP4 and TS-File
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| Decode | <ul style="list-style-type: none">• Compatible with ZEUS® HE265-DEC (also available from Z3 Technology)• PC decoding |
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Specifications

Interfaces	Gigabit Ethernet, USB 2.0, Microphone Input and Composite Output
Power	23W typical while encoding H.265/HEVC video
Mount	1/4 20 UNC tripod screw hole on bottom of unit, Top and Bottom bracket mount
Dimensions	145 x 142 x 89 mm (5.7 x 5.6 x 3.5 in)
Weight	1035 g (2 lb 28 oz)

Z3Cam·4K™

H.265/H.264 4K IP Video Camera

Model: Z8300



Details

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| Camera Features | <ul style="list-style-type: none">• 20x optical zoom using Sony's Super Resolution Zoom feature• Noise reduction algorithm for high frequency and high detail areas• Visibility enhancer ICR (Day and Night)• High sensitivity image processor• Easily mount to tripod or mounting bracket• Leverages Sony's FCB-ER8300 4K camera module |
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| Streaming Features | <ul style="list-style-type: none">• H.265, H.264 or MJPEG encoded video + AAC audio over IP with no additional equipment and no distance limitations• Supports 4K UHD and HD resolutions up to 30 fps (2160p, 1080p, 720p, and lower)• Outputs RTP, RTSP, MPEG-2 TS or RTMP*• Simultaneously stream and/or record in multiple resolutions and bitrates• Supports unicast and multicast streaming• Compatible with Wowza Streaming Engine™, YouTube Live and Facebook Live |
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| Control | <ul style="list-style-type: none">• IP Control and Configuration• Z3 web interface with live video preview• Pass Sony VISCA™ Camera Control Commands over IP• Supports ONVIF® Profile S and T |
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Recording	Compressed USB Recording, MP4 and TS-File
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| Decode | <ul style="list-style-type: none">• Compatible with ZEUS® HE265-DEC (also available from Z3 Technology)• PC decoding |
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Specifications

Interfaces	Gigabit Ethernet, USB 2.0, Audio Input and Composite Output
Power	7.5W typical while encoding H.265 video
Mount	1/4 20 UNC tripod screw hole on bottom of unit
Dimensions	144 x 64 x 66 mm (5.6 x 2.5 x 2.6 in)
Weight	818 g (1.8 lb)

Z3Cam·4K™

H.265/H.264 4K IP Video Camera

Model: Z8530/Z8550



Details

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| Camera Features | <ul style="list-style-type: none">• 30x optical zoom using Sony's Super Resolution Zoom, 40X optical zoom in 1080p30 mode using SRZ• Genlock multiple cameras with External Sync on the Z3Cam-4K model Z8550• Noise reduction algorithm for high frequency and high detail areas• Visibility enhancer ICR (Day and Night)• High sensitivity image processor• Small 4K camera body footprint similar in size to the HD camera body• Easily mount to tripod or mounting bracket |
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| Streaming Features | <ul style="list-style-type: none">• H.265, H.264 or MJPEG encoded video over IP with no additional equipment and no distance limitations• Supports 4K UHD and HD resolutions up to 30 fps (2160p, 1080p, 720p, and lower)• Outputs RTP, RTSP, MPEG-2 TS or RTMP*• Simultaneously stream and/or record in multiple resolutions and bitrates• Supports unicast and multicast streaming• Compatible with Wowza Streaming Engine™, Facebook Live and YouTube Live |
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| Control | <ul style="list-style-type: none">• Z3 web interface with live video preview for control and configuration• Pass Sony VISCA™ Camera Control Commands over IP• Supports ONVIF® Profile S and T |
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Recording	Compressed USB Recording, MP4 and TS-File
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| Decode | <ul style="list-style-type: none">• Compatible with ZEUS® HE265-DEC (also available from Z3 Technology)• PC decoding |
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Specifications

Interfaces	Gigabit Ethernet, USB 2.0, Audio Input, Composite Output, MMCX Composite Input* and RS-485 Input*
Power	7.5W typical while encoding H.265 video
Mount	1/4 20 UNC tripod screw hole on bottom of unit
Dimensions	130 x 61 x 62 mm (5.1 x 2.4 x 2.4 in)
Weight	682 g (1.5 lb)

*Z3Cam-4K Model Z8550 Only

Z3Cam·HD™

H.265/H.264 HD IP Video Camera



Details



Camera Features	<ul style="list-style-type: none">• Full HD 30x optical zoom• 2D/3D noise reduction algorithm for high frequency and high detail areas• Visibility enhancer auto ICR (Day and Night)• High sensitivity image processor• Spherical privacy zone masking• Leverages Sony's FCB-EV7520 HD camera block
Streaming Features	<ul style="list-style-type: none">• H.265, H.264 or MJPEG encoded video + AAC audio over IP with no additional equipment and no distance limitations• Supports HD resolutions up to 60 fps (1080p, 720p, and lower)• Outputs RTP, RTSP, MPEG-2 TS or RTMP*• Simultaneously stream and/or record in multiple resolutions and bitrates• Supports unicast and multicast streaming• Compatible with Wowza Streaming Engine™ and YouTube Live*
Control	<ul style="list-style-type: none">• IP Control and Configuration• Z3 web interface with live video preview• Pass Sony VISCA™ Camera Control Commands over IP• Supports ONVIF® Profile S and T
Recording	Compressed USB Recording, MP4 and TS-File
Decode	<ul style="list-style-type: none">• Compatible with ZEUS® HE265-DEC (also available from Z3 Technology)• PC decoding

Specifications

Interfaces	Gigabit Ethernet, USB 2.0, Micro-HDMI Output, Audio Input and Composite Output
Power	7.5W typical while encoding H.265 video
Mount	1/4 20 UNC tripod screw hole on bottom of unit
Dimensions	128 x 62 x 62 mm (5.0 x 2.4 x 2.4 in)
Weight	650 g (1.4 lbs)

Z3Dome·4K

Indoor/Outdoor H.265

4K Speed Dome



Details



Camera Features	<ul style="list-style-type: none">• High speed 360° dome, high quality stepping motor• -5 to 90 degree vertical range• 30x zoom in 2160p30 mode and 40x in 1080p60 mode using Sony's Super Resolution Zoom• Double-layer full metal housing• Image Stabilization• High quality HD transparent shield, ensure image quality is clear and not deformed• IP66 dust and water resistant design• Innovative internal routing mode to eliminate line rotation wear and tear• Protected against instantaneous surges up to 6K volts
Streaming Features	<ul style="list-style-type: none">• H.265, H.264 or MJPEG encoded video over IP• Supports 4Kp30 UHD and HD resolutions up to 60 fps• Outputs RTP, RTSP, MPEG-2 TS or RTMP• Simultaneously stream and/or record in multiple resolutions and bitrates• Supports unicast and multicast streaming• Compatible with Wowza Streaming Engine™ and YouTube Live*
Control	<ul style="list-style-type: none">• Z3 web interface for Control and configuration• Live Video Preview in Web Interface• Supports ONVIF® Profile S and T• Pelco-D PTZ control
Power	PoE or 12V/4A
Dimensions (L x W x H)	216 x 216 x 300.5 mm (8.5 x 8.5 x 11.83 in)

HE265-DEC

4K Ultra HD
H.265 Decoder



Details

Interfaces	1x 4K HDMI Output	1 x USB 2.0
	2 x 3G-SDI Output	1 x USB 3.0
Supported Resolutions	Up to 2160p30 for H.265 Up to 1080p60 for H.264	
Video Codecs	MPEG-2, H.265 & H.264	
Input Formats	UDP/TSRTP, SRT, RTMP, HLS, Zixi, RTSP Client	
Audio Codecs	MPEGIL2, AAC-LC	
Software Control	HTTP Based GUI and MUSB Configuration	
Power	12VDC	
Dimensions (L x W x H)	260 x 130 x 27 mm (10.2 x 5.0 x 1.0 in)	

DISTRIBUTORS

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ABOUT Z3

Z³ Technology is an industry-leading, USA-based manufacturer of production-ready embedded multimedia solutions and IP camera systems. From our founders to our world-class engineers to our sales and customer service team, we understand your requirements and speak your language. Our experience allows us to provide cost-effective solutions to meet your product requirements. With the assistance of our robust worldwide distribution and sales networks, we can provide a simple solution for your multimedia needs.



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