

Z3Cam[™] Expand Your Reach

H.265 and H.264 IP Video Camera Solutions

www.Z3technology.com



Dual Spectrum IP Camera



Details

Camera **Features**

- 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
- Léverages Sony's FCB-ER8530 4K camera module

Thermal Camera **Features**

- · 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

Streaming **Features**

- · 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

Decode

- Compatible with ZEUS® HE265-DEC (also available from Z3 Technology)
- PC decoding

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	s 121 x 125 x 62 mm (4.8 x 4.9 x 2.4 in)	
Weight	955 g (2.1 lb)	



Lowlight eXtreme H.265 4K IP Camera



Details



Camera **Features**

- 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*

Streaming Features

- 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

Control

- · IP Control and Configuration
- RS-485/422
- Z3 web interface with live video preview
- RS-232/GPIO
- Supports ONVIF® Profile S and T

Recording Decode

Compressed USB Recording, MP4 and TS-File

• Compatible with ZEUS® HE265-DEC (also available from Z3 Technology)

· PC decoding

Specifications

Interfaces	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)

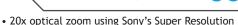


H.265/H.264 4K IP Video Camera



Details

Camera Features



- Zoom feature
 Noise reduction algorithm for high frequency
- 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

Streaming Features

- 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

Control

- 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

- Compatible with ZEUS® HE265-DEC (also available from Z3 Technology)
- · PC decoding

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	ensions 144 x 64 x 66 mm (5.6 x 2.5 x 2.6 in)	
Weight	818 g (1.8 lb)	



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

Model: Z8530/Z8550



Details

Camera Features

- 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

Streaming Features

- 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

Control

- 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

Recording

Compressed USB Recording, MP4 and TS-File

Decode

- Compatible with ZEUS® HE265-DEC (also available from Z3 Technology)
- PC decoding

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)	

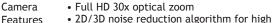


H.265/H.264 HD IP Video Camera



Details

• Full HD 30x optical zoom



- 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**

- 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

- · IP Control and Configuration
- Z3 web interface with live video preview
- Pass Sonv VISCA™ Camera Control Commands over IP
- Supports ONVIF® Profile S and T

Recording

Compressed USB Recording, MP4 and TS-File

Decode

- 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)	

230ome,4K

Indoor/Outdoor H.265 4K Speed Dome

Details







- 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

Camera **Features**

- 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
- · 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

Streaming **Features**

- Simultaneously stream and/or record in multiple resolutions and bitrates
- Supports unicast and multicast streaming
- Compatible with Wowza Streaming Engine[™] and YouTube Live*

•Z3 web interface for Control and configuration

- Live Video Preview in Web Interface Control
 - •Supports ONVIF® Profile S and T
 - Pelco-D PTZ control

Power PoE or 12V/4A

Dimensions $(L \times W \times H)$

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 2 x 3G-SDI Output	1 x USB 2.0 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

Aegis Electronic Group, Inc. USA

+1.760.729.2026 www.aegiselect.com

Heartland Video Systems USA

+1.800.322.7088 www.hvs-inc.com

Uniforce Sales & Engineering USA

+1.510.657.4000 x105 www.uniforcesales.com

JMC Group Italy +39.06.87153364 www.jmccomputers.it

Markertek USA

+1.800.522.2025 www.markertek.com

Phase1 Technology USA

+1.631.254.2600 www.phase1vision.com

Stemmer Imaging United Kingdom, France, Germany, Ireland & Netherlands

+44.1252.7800.00 www.stemmer-imaging.com

GS Tech Israel +972.3.9002727 www.gs-tech.co.il

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.



Contact Us:

sales@Z3technology.com +1.402.323.0702

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