

# Verint Single-Port and Multi-Port Encoders and Decoders with H.264 Video Compression



	Feature	Advantage	Benefit
<b>EXCEPTIONAL PERFORMANCE</b>	Triple- and quadruple-streaming	Verint single-port and multi-port encoders and decoders deliver triple and quadruple-streaming, H.264, MPEG-4, S and MJPEG video up to D1/30 frames per second.	Devices combine H.264 video compression with multiple streaming, enabling video to be viewed at high resolution with excellent image clarity, but stored at lower resolution reducing bandwidth and storage utilization up to 50% over MPEG4.
<b>OPTIMAL USE OF NETWORK</b>	Industry-leading video encoding technology	Provides superior imagery with optimal bandwidth utilization.	Video compression reduces the quantity of data used to represent video content, making video files smaller with little perceptible loss in quality. Compressed files are easier to transmit over a network and easier to store.
<b>SUPERIOR FUNCTIONALITY</b>	High-resolution and high-definition encoders and decoders that feature storage on the edge, on-board analytics, SNMP support, an embedded Linux operating system and audio	Embedded features that enhance functionality, and provide superior security and reliability.	Helps organizations extend the value of their analog video cameras, as they leverage the power of sophisticated IP video technology.
<b>SEAMLESS INTEGRATION</b>	Reliable, energy efficient, and simple to install and manage	Verint encoders and decoders are built for easy installation and management using either Verint or other video management software (via the Verint Advantage SDK) and Verint web interface.	Nextiva encoders and decoders are designed for long life, low cost of ownership, and peak energy efficiency with ENERGY STAR® qualified external power supply.

	Encoders						Decoders		
DESCRIPTIONS	S1801e	S1802e	S1808e	S1816e	S1816e-SP	S1816e-SR	S1801e-R	S1801e-R-HD	HDR 1800
	High-resolution single-port video encoder	High-resolution dual-port video encoder	High-resolution 8-port video encoder	High-resolution 16-port video encoder	Cost-effective, high-resolution 16-port video encoder	Cost-effective, high-resolution 16-port video encoder	Compact single-port video decoder	Compact single-port video decoder with high-definition technology	High-definition, H.264 video decoder for use with Verint Virtual Matrix
<b>VIDEO</b>									
Input	1 camera	2 cameras	8 cameras	16 cameras	16 cameras	16 cameras	Up to 4 video tiles	Up to 6 video tiles	Up to 18 video tiles on 2 monitors
Compression	H.264, MJPEG	H.264, MJPEG	H.264 and MPEG-4	H.264 and MPEG-4	H.264 and MPEG-4	H.264 and MPEG-4	H.264	H.264	H.264 and MPEG-4
Streaming	Quadruple	Quadruple	Triple	Triple	Triple	Triple	Quadruple	Quadruple	Multiple
Maximum Performance	D1/30fps	D1/30fps	D1/30fps, D1/15fps, 2CIF/15fps on all channels simultaneously	D1/30fps, D1/15fps, 2CIF/15fps on all channels simultaneously	D1/15fps (H.264), and CIF/15fps (MPEG-4), or 2CIF/15fps, 2CIF/15fps (H.264), CIF/15fps (MPEG-4) on all channels simultaneously	D1/15fps (H.264), and CIF/15fps (MPEG-4), or 2CIF/15fps, 2CIF/15fps (H.264), CIF/15fps (MPEG-4) on all channels simultaneously	4 x D1/30fps	6 x D1/30fps or 1080i	H.264: 6 x 4CIF@30fps or 1 x 1920x1080@30fps MPEG4: 8 x 4CIF@30fps, 3000kbps or 16 x CIF@30fps, 800kbps
Resolution	CIF (352x240 pixels for NTSC; 352x288 pixels for PAL) to D1 (720x480 pixels for NTSC; 720x576 for PAL)	CIF (352x240 pixels for NTSC; 352x288 pixels for PAL) to D1 (720x480 pixels for NTSC; 720x576 for PAL)	CIF (352 x 240 pixels for NTSC; 352 x 288 pixels for PAL) to 4CIF format (704 x 480 pixels for NTSC; 704 x 576 pixels for PAL)	CIF (352 x 240 pixels for NTSC; 352 x 288 pixels for PAL) to 4CIF format (704 x 480 pixels for NTSC; 704 x 576 pixels for PAL)	CIF (352 x 240 pixels for NTSC; 352 x 288 pixels for PAL) to 4CIF format (704 x 480 pixels for NTSC; 704 x 576 pixels for PAL)	CIF (352 x 240 pixels for NTSC; 352 x 288 pixels for PAL) to 4CIF format (704 x 480 pixels for NTSC; 704 x 576 pixels for PAL)	CIF (352x240 pixels for NTSC; 352x288 pixels for PAL) to D1 (720x480 pixels for NTSC; 720x576 pixels for PAL)	Upscaling from SD to 720p (1280x720), 1080i or 1080p (1920x1080)	DVI: Up to 1920x1200 RGB (VGA); Up to 1920x1200 Composite (BNC); 480/576 lines (NTSC/PAL)
<b>NETWORK</b>									
Interface	Ethernet 10/100 Base-T	Ethernet 10/100 Base-T	2x Ethernet 10/100/1000 Base-T	2x Ethernet 10/100/1000 Base-T	2x Ethernet 10/100/1000 Base-T	Ethernet 10/100 Base-T	Ethernet 10/100 Base-T	Ethernet 10/100 Base-T	2x Ethernet 10/100/1000 Base-T
<b>PHYSICAL</b>									
Serial Ports	RS 232/422/485	RS 232/422/485	RS 232/422/485	RS 232/422/485	RS 232/422/485	RS 232/422/485	RS 232/422/485	RS 232/422/485	RS 232/422
Alarm Inputs/Outputs	2 in / 1 out	2 in / 1 out	8 in / 2 out	16 in / 4 out	16 in / 4 out	4 in / 1 out	2 in / 1 out	2 in / 1 out	1x Line Out, 1/8in (3.5mm) Stereo jack
Options	PoE model also available. Standard- SNMP, audio and storage on the edge support (SD card not included)	Standard- SNMP, audio, and storage on the edge support (SD card not included)	Audio model also available. Standard- SNMP support, storage on the edge and on-board analytics (license required).	Audio model also available. Standard- SNMP support, storage on the edge and on-board analytics (license required).	Standard- SNMP support and storage on the edge.	Standard- SNMP support.	Standard- SNMP support and audio	Standard- SNMP support and audio	Mounting: Rack Mount Kit (included) and Wall/Table Mount Kit (included)
Operating Temperature	32°F to 140°F (0°C to 60°C), [up to 131°F/55°C for PoE model]	32°F to 140°F (0°C to 60°C)	32°F to 131°F (0°C to 55°C)	32°F to 140°F (0°C to 60°C)	32°F to 140°F (0°C to 60°C)	32 to 122°F (0 to 40°C)			

## World-Class Service and Support

At Verint, we are dedicated to the success of our partners and customers. To this end, we've developed world-class customer support programs and service offerings. Staffed by Verint experts in all facets of networked video deployment and use, Verint's Customer Support Program features live technical support, web-based resources, advanced replacements and a host of on-site professional services.

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