Compressor™
Analog to IP Video Encoder

H.265
H.264/MJPG

30fps

NDAA
COMPLIANT PRODUCT

Dimensions
Unit: Inch (mm)

14.96"
(380mm)

10.55"
(268mm)

1.77"
(45mm)

1.89"
(48.1mm)
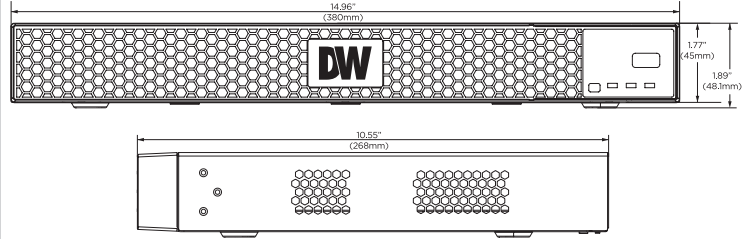
Summary

The NDAA-compliant Compressor™ UHDoC to IP signal encoder converts up to 16 HD-Analog, HD-TVI, HD-CVI and CVBS signals into IP video streams at up to 4K resolution. Fully integrated with DW Spectrum® IPVMS, the DW-ENC4K16 is an ideal addition for applications looking to upgrade their existing analog infrastructure, maximizing their ROI, to the unmatched performance and ease of use of IP video management without a complete system replacement.

Features

- The most cost-effective path to IP
- Support for HD-Analog, HD-TVI, HD-CVI and CVBS signals increases compatibility with multiple analog signal technologies.
- Enjoy the benefits of IP monitoring by connecting your analog cameras to DW Spectrum IPVMS or any ONVIF-approved VMS.
- Convert your analog signals into IP video streams at up to 4K resolution for a hybrid monitoring solution.
- Local video output for system configuration and local display.
- Simultaneous streaming and multiple codec options for smart bandwidth management.
- Seamless integration and control with DW Spectrum IPVMS (requires DW-SPCP16LSC016 or DW-SPCP04LSC004 license. Sold separately).
- Two-way audio through DW Spectrum IPVMS for direct communication between the monitoring station and the camera's location.
- Control the camera's OSD and PTZ via the same coaxial cable (UTC) for simple installation and remote camera control.
- Framerate and bandwidth control help conserve usage and reduce network load.
- Alarm sensor input and relay output for access control integration (under development).
- Event notifications alert operators and system owners in real time to reduce response time.
- NDAA-compliant for federal and government projects.

Accessories (included)

DW-G419RE
19" rack mount ears

Specifications

ONVIF   FC

VIDEO		
Video input	Signal technology	HD over Coax® technology with HD-Analog, HD-TVI, HD-CVI and CVBS up to 960H
	Signal type	4K at 15fps, 5MP at 20fps, 4MP, 2.1MP/1080p, 960H, D1 at 30fps
	CH#	16CH BNC input
Video output	Outputs	True HD, VGA, BNC (1.0Vp-p; 75Ω)
	Resolutions	True HD: 3840 × 2160, 1920 × 1080, 1280 × 1024 VGA: 1920 × 1080, 1280 × 1024 BNC: CVBS, 960H
Display mode (local)		Local: 1, 4, 8, 16 / Web clinet: 1, 4
Compression		H.265, H.264

PERFORMANCE		
Interface	Audio in and out	8 RCA input / 1 RCA output (600Ω)
	Audio codec	G.711 (U/A)
	Alarm in and out	16 alarm inputs / 4 alarm outputs (under development)
	Serial (RS485, USB, UTC)	1x USB 3.0, 1x USB 2.0, 1 RS485 port for PTZ support
		PTZ control via Coax (HD-Analog / HD-TVI)
Features	Motion detection	Yes
	Privacy masks	Yes (up to 4 masks per channel)
	Alarm management	Locally and via DW Spectrum® IPVMS. Motion detection, sensor and alarm activation, video loss, system start and user login
	Notifications	Notifications via email, local popup display, sensor and alarm output (under deelopment), buzzer, push text, FTP, snapshot, PTZ preset activation
	Security	HTTP, multi-user authority

NETWORK		
Network connection		1x RJ45 10/100/1000 Base-T
Streaming	Transmission speed live	4K: 8fps 5MP: 12fps 4MP: 15fps Up to 2.1MP/1080p: 30fps 2nd stream: max 15 FPS for 16-channels
	Max. throughput	96Mbps
	Bitrate mode	CBR, VBR
	Max bitrate	32Kbps - 5Mbps
	Protocols	TCP/IP, DHCP, DNS, DDNS, UPnP, HTTP, NTP, SMTP, RTSP, SNMP, FTP, ONVIF
Access	Web viewer	Microsoft Edge®, Google Chrome®, Mozilla Firefox®, Safari®
	Software	DW Spectrum® IPVMS

GENERAL		
Operating temperature		4°F - 122°F (-10°C ~ 50°C)
Operating humidity		10-90% (non-condensing)
Other certifications		CE, FCC, NDAA
Electrical	Power requirement	12V DC, 4A
	Power consumption	Max 30W, 2.5A
Dimensions		14.96" x 10.55" x 1.77" (380 × 268 × 45mm)
Warranty		2 year warranty

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Built for Users™

DW®