

- H.265/H.264 Dual Video Streaming
- Interfaces with SDI, HDMI, and Display Port
- Pass KLV Metadata
- HDMI pass through with optional resizing

The DME-20 is a compact, NDAA compliant, video encoder designed for cybersecure H.264/H.265 video encoding up to 4Kp30 with optional storage options. The DME-20's combined feature set allows for low bandwidth low latency streaming, while recording and displaying real-time video on a monitor. This low-power, production ready 4K or Dual HD encoder truly highlights the quality and versatility of Z3 Technology's hardware solutions.



Technical

Interfaces	<ul style="list-style-type: none"> • 2x 3G-SDI Input • 1x HDMI Input • 1x Display Port Input
Additional Interfaces	GbE, Re-clocked SDI loop through, HDMI Passthrough, Audio Input, RS-485, GPIO + UART, RS-232 Serial
Recording	USB, Micro-SD, or NFS
Video Codecs	H.265, H.264, MJPEG
Audio Codecs	HE-AAC, HEv2-AAC, AAC-LC 4 SDI Stereo Pairs MIC/Line In, HDMI/Display Port
Encoding Resolutions	4Kp30, 1080p and 1080i (up to 60fps), NTSC & PAL, Laptop VESA Modes (up to 85fps)
Output Formats	RTP, RTSP, UDP, RTMP, RTMPS, TSRTMP, MP4, and TS File

- Features
- Low Latency, Low Power
 - Cyber Secure Features Available
 - Simultaneous Streaming and Recording
 - Record to USB or Network File System
 - Control via HTTP web user interface, API, ONVIF or SSH/Serial
 - Close Captioning (EIA-608 and EIA-708)
 - SRT Modes: Caller Sender, Rendezvous, & Encryption
 - Embedded KLV Metadata via SDI or Serial, MISB 0601 Compliant
 - High Precision Timestamps Across Multiple Streams, MISB 0604 Compliant
 - Picture in Picture Mode Supported or Two Separate Streams
 - Live Video Preview in the Web User Interface

Specifications

Encoder Size	157 x 78 x 30 mm
Encoder Weight	223g
Power Supply	12V
Typical Power Consumption	6.5W typical while encoding 4K video

ORDERING INFORMATION

DME-20

Included Cable Kit

- HDMI Cable
- 2x MCX to BNC Cable
- 12V Power Supply
- Serial Cable

APPLICATIONS

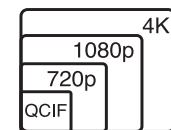
- Broadcast
- Military Imaging
- Event Streaming
- Industrial Video
- Customized Applications*



Made in the USA



Easy-to-Use Controls



Resolutions from SD to 4K Ultra HD

H.265
H.264
MJPEG

Video Encoding

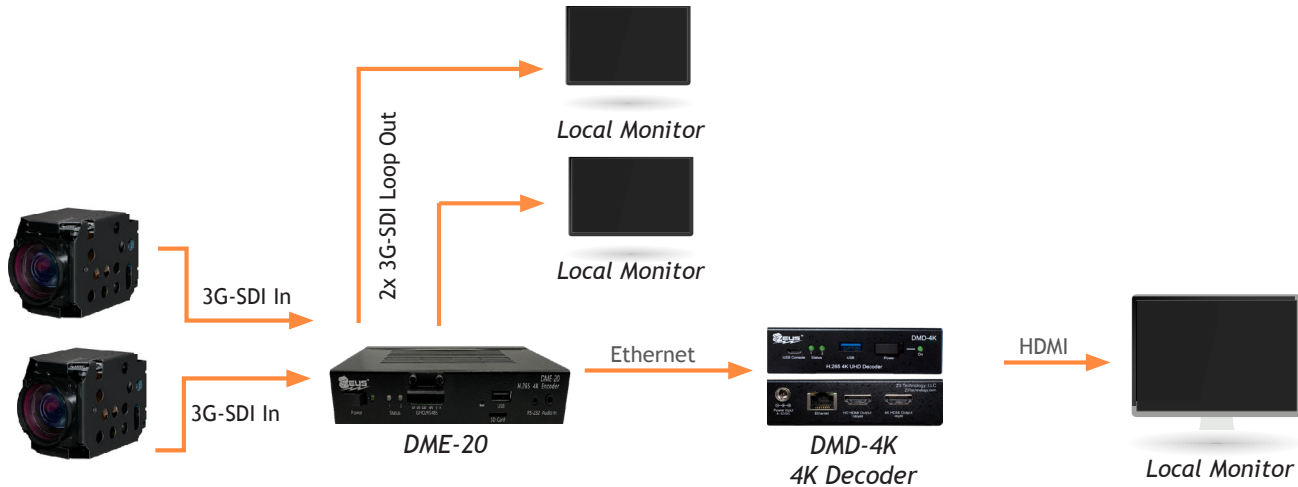
Contact Z³ Technology for Customized Product Options

sales@Z3technology.com

+1.402.323.0702

www.Z3technology.com

Use Case



Operating Controls



***Contact Z³ Technology for Customized Product Options**
sales@Z3technology.com +1.402.323.0702 www.Z3technology.com



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 multimedia product requirements. With the assistance of our robust worldwide distribution and sales networks, we can provide a simple solution for your multimedia needs.