

DME-20

Dual SDI Encoder with Display Port and HDMI

The DME-20 is a multimedia broadcast for video streaming and recording. Multiple modes of operation are supported with a variety of input options available. From broadcast features such as closed captions and SRT support, to STANAG 4609 and KLV Metadata for defense focused applications, this encoder has a diverse set of features to meet your video streaming needs.



H.265
H.264

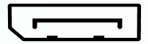
H.265 AND H.264
ENCODING



STANAG 4609
COMPLIANT



DUAL HD-SDI OR 3G-SDI
STREAMING



DISPLAY PORT

Technical

Video Inputs	• 2x 3G-SDI Input • 1x HDMI Input (up to 4Kp30) • 1x Display Port Input
• Recording	USB, Micro-SD, or NFS
Modes of Operation	3G-SDI + 3G-SDI OR Display Port + 3G-SDI OR HD HDMI + 3G-SDI OR HDMI 4Kp30
Additional Interfaces	Gigabit Ethernet, Re-clocked SDI loop through, HDMI Passthrough, Audio Input, RS-485 UART + GPIO, RS-232 Serial
Video Codecs	H.265, H.264, MJPEG
Audio Codecs	AACLC, AACHE, AACHE V2, G711 ULAW
• Audio Features	Embedded Audio, Mic and MIC Line Level Audio Audio Resampling Support and 4 Digital Stereo Pairs
Encoding Resolutions	4Kp30, 1080p and 720p (up to 60fps) Laptop VESA Modes (up to 85fps)
Output Formats	RTP, RTSP, MPEG-2 TS, UDP, MP4, RTMP, RTMPS, and SRT
Features	• Low Latency, Low Power • Cyber Secure Features Available, SNMPv2, SNMPv3 and the ability to turn off unneeded services • User Level Authentication Settings Available • Simultaneous encode of H.265/HEVC and H.264 • Record to USB or Network File System • Control via HTTP/HTTPS web GUI, API, ONVIF or SSH/Serial • SRT Modes Supported: Caller, Listener, Rendezvous, SRT Encryption, AES-128,192,256 • Live Video Preview in the Web Gui • Multicast and Unicast Support • Text Overlay via Web Gui or custom placement of Text or PNG via HTTP/S API • RS-485 Pelco D Support, 3 configurable serial ports • Dual output displays or PIP Mode Support • STANAG 4609 Compliant • Embedded KLV Metadata Support via SDI or Serial, MISB 0601 Compliant • High Precision Timestamps Across Multiple Streams, MISB 0604 Compliant • AI Ready for on the edge analytics



ORDERING INFORMATION

DME-20
Included Cable Kit

- Power Supply
- Serial Cable
- 2x MCX to BNC Cables

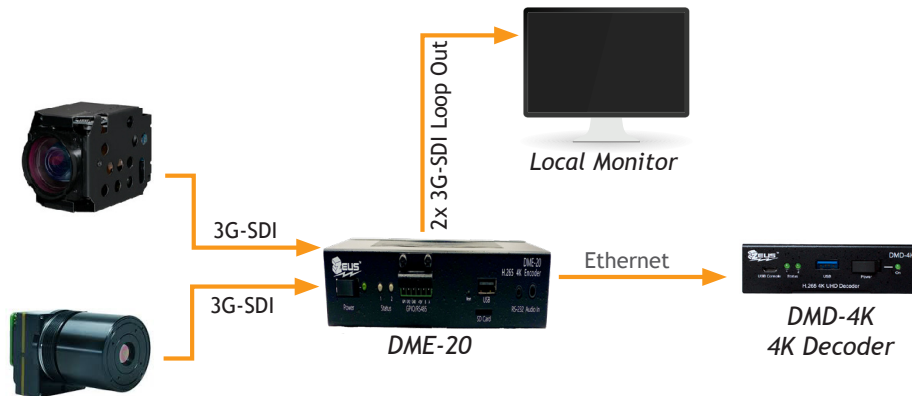
APPLICATIONS

Security and Surveillance
Military Systems
Broadcast A/V Applications
Customized Applications



* backside of DME-20





* other configurations supported, see modes of operation on page 1

ZFinder Application

- Desktop application download available with your DME-20 product purchase
- Quickly find the device on your network
- Easily configure the IP addresses of each encoder from the default IP settings
- Seamlessly handle software updates for multiple devices

Specifications

Size	156 x 78 x 28 mm (6.14 x 3.07 x 1.10 in)
Weight	222g
Power	12V DC
Power Consumption	6.5W
Operating Temp	-20 to 65° C in open air at 20-80% relative humidity (non-condensing)
Storage Temp	-40 to 72° C at 30-80% relative humidity (non-condensing)

***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.