Textron Systems’ Opmeta is a high-performance video encoding solution that blends high performance hardware with integrated software to provide a powerful solution to meet almost any video encoding requirement. Providing full support for popular codecs, including H.264 and H.265, Opmeta is capable of supporting data from legacy systems up to 4K. Opmeta is part of the broader Textron Systems geospatial portfolio with integrated support for both SeeGEO™ for data archive, discovery and collaboration as well as Optice™ for highly intelligent, AI enabled visual workflows.
BENEFITS

- Programmable to support a variety of cameras
- High quality without compromising latency pass through
- Full motion video (FMV) analytics/VMTI

FEATURES

- Ability to resize HD camera input to lower resolutions keeping full field of view
- Interfaces with SDI, LVDS, and Composite cameras
- Supports KLV metadata and compliance with STANAG and MISB standards
- H.265/H.264 Dual Camera Video Streaming
- Control and Monitoring

APPLICATIONS

- Inspection Security & Surveillance
- Video Conferencing
- Industrial
- Soldier Deployments
- Unmanned Ground Vehicles
- Unmanned Aerial Vehicles & Drones
- Unmanned Service Vehicles

TECHNICAL SPECIFICATIONS

INTERFACES
- 1X 3G-SDI Input with loop
- 2X Composite Input
- 1X Digital Input

VISIBLE CAMERA FORMATS
- 3G-SDI, LVDS, NTSC/PAL/RS170*

VIDEO CODECS
- H.265, H.264

ADDITIONAL INTERFACES
- PoE, GigE, Audio Input, RS-485, Composite Output, GP10, Serial 12C

OUTPUT FORMATS
- TP, RTSP, MPEG-2, TS and RTMP

RECORDING
- USB or Micro SD

RESOLUTION
- 1080 (up to 60 fps), 720p, VGA, NTSC/PAL, CIF, and QVGA

HD AND SD IR FORMATS
- 3G-SDI, LVDS, NTSC/PAL/RS170*

APPLICATIONS

- Inspection Security & Surveillance
- Video Conferencing
- Industrial
- Soldier Deployments
- Unmanned Ground Vehicles
- Unmanned Aerial Vehicles & Drones
- Unmanned Service Vehicles

HARDWARE SPECIFICATIONS

POWER CONSUMPTION
- 45W typical while encoding 2 Cameras in H.265 Video to 1080 p 60

ENCODER BOARD SIZE
- 58 X 58 MM (2.28 X 2.28IN)

POWER SUPPLY
- 12V DC

OPERATING TEMPERATURES
- -5°C to + 70°C