

OPMETA™

 **DESIGNED & ASSEMBLED
IN THE USA**



IMAGERY & DATA ANALYSIS

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.

[TextronSystems.com](https://www.textron.com)



TEXTRON Systems

► PUSHING PAST POSSIBLE

OPMETA

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
- > Supports KLV metadata and compliance with STANAG and MISB standards
- > H.265/H.264 Dual Camera Video Streaming
- > Interfaces with SDI, LVDS, and Composite cameras
- > 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

3 G-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

3 G-SDI, LVDS, NTSC/PAL/RS170*

HARDWARE SPECIFICATIONS

POWER CONSUMPTION

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

ENCODER BOARD WEIGHT

87.9G

ENCODER BOARD SIZE

58 X 58 MM (2.28 X 2.28IN)

POWER SUPPLY

12V DC

OPERATING TEMPERATURES

-5°C to + 70°C