

Supported Formats Table

GV FEATURES	GV 3.0	Gv ² F	GVX
Video Standards			
MPEG-2, MPEG-4	X	X	X
.M4V		X	X
H.264	X	X	X
H.265		X	X
MJPG		X	X
Motion JPEG 2000	X		
.AVI, .MOV			X
Stream Reading Formats			
MPEG-2 Program	X	X	X
MPEG-2 Transport	X	X	X
DASH Stream			
Stream Writing Formats			
MPEG-2 Export PS & TS		X	X
Metadata			
KLV (SMPTE 336M-2001)	X	X	X
Predator ESD	X	X	X
Cursor on Target (COT)	X		
MISB EG 0101.5 (Predator AV Basic)	X	X	X
MISB 0601.3 (UAS Data Link Local)	X	X	X
MISB 0102.5 (Security Metadata)	X	X	X
STANAG 4609	X	X	X
MISB EG 0903 (Moving Target Indicator)	X	X	X
MISB RP 0808 (Ancillary Text)	X	X	X
Synchronous Metadata (RP 0604)	X	X	X
KLV Encode Raw Telemetry		X	X
Annotation			
MISB RP 0602.2	X	X	X
MIL-STD-2525B		X	X
Image Formats			
NITF, NSIF (MIL-STD-2500C)	X		X
AAF, ISR	X		
BMP, PNG	X		X
CADRG/CIB	X		
DOQ	X		X
DTED	X		X
JPEG, JPEG 2000	X		X
GeoTIFF	X		X
LANDSAT	X		X

Supported Formats Table

SID (MrSID MG2-MG4)	X		X
Image Layout			
RGB	X		X
YUV	X		X
Insertion / Chipping / Cropping			
Communications			
JPIP	X		
RTP/RTSP	X	X	X
SRT		X	
TCP (SDP, HTTP)	X	X	X
UDP Unicast & Multicast		X	X
Programming APIs (Bindings)	X		
Plug-In Interface			
Java		X	
JavaScript			
C++, C#		X	
Android, Apple iOS		X	

- Gv²F is an extensible toolkit for developers seeking to integrate full-motion video (FMV) into their geospatial software product. The toolkit provides an optimized C media framework with simple yet robust C++ and Java bindings to facilitate development.