

Supported Formats Table

GV FEATURES	GV 3.0	Gv²F	GVX
Video Standards			
MPEG-2, MPEG-4	х	х	х
.M4V		X	X
H.264	Х	х	Х
H.265		Х	Х
MJPG		Х	Х
Motion JPEG 2000	Х		
.AVI, .MOV			Х
Stream Reading Formats			
MPEG-2 Program	Х	Х	Х
MPEG-2 Transport	Х	Х	Х
DASH Stream			
Stream Writing Formats			
MPEG-2 Export PS & TS		Х	Х
Metadata			
KLV (SMPTE 336M-2001)	Х	Х	Х
Predator ESD	Х	Х	Х
Cursor on Target (COT)	X		
MISB EG 0101.5 (Predator AV Basic)	Х	Х	Х
MISB 0601.3 (UAS Data Link Local)	X	Х	Х
MISB 0102.5 (Security Metadata)	X	Х	Х
STANAG 4609	Х	Х	Х
MISB EG 0903 (Moving Target Indicator)	Х	Х	Х
MISB RP 0808 (Ancillary Text)	Х	Х	Х
Synchronous Metadata (RP 0604)	Х	Х	Х
KLV Encode Raw Telemetry		Х	Х
Annotation			
MISB RP 0602.2	Х	Х	Х
MIL-STD-2525B		Х	Х
Image Formats			
NITF, NSIF (MIL-STD-2500C)	Х		Х
AAF, ISR	Х		
BMP, PNG	Х		Х
CADRG/CIB	Х		
DOQ	X		Х
DTED	X		Х
JPEG, JPEG 2000	X		Х
GeoTIFF	X		X
LANDSAT	X		Х



Supported Formats Table

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

• 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.