



REDHAWK HD – MIL-SPEC DVR

SPEC SHEET

VIDEO

SDI	3G-SDI SMPTE 424M 1080p60/59.94/50 HD-SDI SMPTE 292M 1080i60 / p30 SD-SDI SMPTE 259M PAL/NTSC
COMPOSITE	NTSC 720 x 480 PAL 720 x 576
RESOLUTION	MAX 1920 x 1200 60fps Progressive, Interlace
COMPRESSION	h.264 AVC HIGH, MAIN, BASELINE PROFILE MJPEG
BITRATE	32Kbps – 16Mbps (h.264) 32Kbps – 55Mbps (MJPEG)
FILE TYPE	.AVI

AUDIO

INPUT/OUTPUT	STEREO L / R LINE LEVEL – AVIATION HEADSET SDI EMBEDDED
COMPRESSION	AAC 64Kbps – 128Kbps @ 32/44.1/48kHz G.711 64Kbps @ 8KHz
OUTPUT	STEREO L / R LINE LEVEL

INPUT & OUTPUT

RECORD TRIGGER	RECORD BUTTON - FRONT PANEL WAY-POINT REAR CONNECTOR – JPEG REAR CONNECTOR –
AUDIO IN/OUT	AUDIO REAR CONNECTOR –
INDICATOR	FRONT – POWER, GPS, RECORD, FAULT REAR – ETHERNET

DATA I/O

SERIAL RS-232 – Baud Rate 2400 – 115200bps
 GPS GPS GNSS NMEA 0183 GPGGA/GPRMC/GPGSA/GPVTG parsed
 1Hz or 5Hz
 Overlay COORDINATES/SPEED/AMSL/TIME&DATE
 Concurrent KML & GPX FILES
 USER DATA Supported, Dynamic & Static
 STORAGE USB 2.0 & 3.0

POWER

INPUT 12 – 34 VDC
 WATTAGE 4.8W [400mA @ 12VDC] UNIT ONLY

PHYSICAL & ENVIRONMENTAL

TEMPERATURE -34°C TO +85°C [-30°F TO +185°F]
 HUMIDITY 20% TO 80% RH
 DIMENSIONS 11.25" x 6.5" x 3.3" [285.75 x 165.1 x 83.82mm]
 WEIGHT 9.25LB [4196gm]

CONNECTOR MATRIX

FUNCTION	DESIGN	P/N	MATING P/N	LOCATION
POWER INPUT	J1	MS27497E8B35P	MS24484T8B35S	BACK PANEL
I/O	J2	MS27497E14B35S	MS27484T14F35P	BACK PANEL
I/O	J3	MS27497E14B35SA	MS27484T14F35A	BACK PANEL
ETHERNET	J4	RJF21N	ETHERNET	BACK PANEL
BNC	J5	NBB75DFG	BNC	BACK PANEL
BNC	J6	NBB75DFG	BNC	BACK PANEL
BNC	J7	NBB75DFG	BNC	BACK PANEL
BNC	J8	NBB75DFG	BNC	BACK PANEL
USB	J9	USBFTV22N	USB	FRONT PANEL
POWER CABLE		M27500-20TG2T14		