

# TASCAM DR-70D 4-track Portable Audio Recorder for DSLR with XLR Inputs and a Stereo Mic

Recording media	SDHC card(4GB to 32GB), SDXC card(48GB to 128GB) High speed cards required. See the Tested Media List on the DR-70D DOWNLOADS page.
Recording format	
WAV	44.1k / 48k / 96k Hz, 16bit / 24bit
BWF	44.1k / 48k / 96k Hz, 16bit / 24bit
<b>Number of channels</b>	4-channel (stereo × 2, mono × 4)
<b>Analog audio input</b>	
1/L, 2/R, 3/L, 4/R connectors	
Connector	XLR-3-31 (1:GND, 2:HOT, 3:COLD) / 6.3mm(1/4")TRS standard jack
<b>Set to "MIC / MIC+PHANTOM"</b>	
Input impedance	2k ohms
Phantom power	48V +/-4V(10mA/CH), 24V +/-4V(10mA/CH)
Maximum input level	0dBu
Minimum input level	-72dBu
MIC input gain	TRIM MAX
LOW	+21dB
MID	+36dB
HIGH	+51dB
HI + PLUS	+63dB
<b>Set to "LINE"</b>	
Input impedance	10k ohms or more
Standard input level	+4dBu
Maximum input level	+20dBu
<b>1/2 connector</b>	
Connector	3.5mm(1/8")stereo mini jack (this connector can be supplied plug-in power)
Input impedance	10k ohms
Maximum input level	+10dBV
Minimum input level	-50dBV
MIC input gain	TRIM MAX
LOW	+3dB
MID	+11dB
HIGH	+26dB
HI + PLUS	+38dB
<b>CAMERA IN connector</b>	
Connector	3.5mm(1/8")stereo mini jack
Input impedance	10k ohms
Standard input level	-10dBV
Maximum input level	+6dBV
<b>Analog audio output</b>	
<b>LINE OUT connector</b>	
Connector	3.5mm(1/8")stereo mini jack
Output impedance	200 ohms
Standard output level	-10dBV
Maximum output level	+6dBV
<b>CAMERA OUT connector</b>	
Connector	3.5mm(1/8")stereo mini jack

Output impedance	200 ohms
Standard output level	-40dBV
Maximum output level	-24dBV
<b>PHONES connector</b>	
Connector	3.5mm(1/8")stereo mini jack
Maximum output level	20mW + 20mW
<b>USB</b>	
Connector	Micro-B type
Format	USB2.0 HIGH SPEED mass storage class
<b>REMOTE</b>	
Connector	2.5mm TRS jack
Power	4 AA batteries(Alkaline or NI-MH), USB bus power, Dedicated AC adapter(TASCAM PS-P515U, sold separately), Dedicated external battery pack(TASCAM BP-6AA, sold separately)
Power consumption	5.0W
Continuous operation time	2ch WAV, 44.1kHz, 16bit rec Phantom power not used
<b>DR-70D Battery Life (hours:minutes)</b>	
Alkaline batteries (EVOLTA)	<b>About 6:00</b> : When XLR/TRS input selecte (Phantom off) <b>About 3:30</b> : When XLR/TRS input selecte (Phantom on) <b>About 11:00</b> : When 3/4 MIC (Built-in Mic) selected
NI-MH batteries (eneloop)	<b>About 6:15</b> : When XLR/TRS input selecte (Phantom off) <b>About 3:15</b> : When XLR/TRS input selecte (Phantom on) <b>About 10:30</b> : When 3/4 MIC (Built-in Mic) selected
NI-MH batteries (eneloop pro)	<b>About 7:45</b> : When XLR/TRS input selecte (Phantom off) <b>About 4:45</b> : When XLR/TRS input selecte (Phantom on) <b>About 14:15</b> : When 3/4 MIC (Built-in Mic) selected
<b>DR-70D + BP-6AA</b>	
Alkaline batteries (EVOLTA)	*BP-6AA is using the alkaline batteries (EVOLTA). <b>About 13:00</b> : When XLR/TRS input selecte (Phantom off) <b>About 7:30</b> : When XLR/TRS input selecte (Phantom on) <b>About 25:30</b> : When 3/4 MIC (Built-in Mic) selected
NI-MH batteries (eneloop)	<b>About 12:45</b> : When XLR/TRS input selecte (Phantom off) <b>About 7:45</b> : When XLR/TRS input selecte (Phantom on) <b>About 24:45</b> : When 3/4 MIC (Built-in Mic) selected
NI-MH batteries (eneloop pro)	<b>About 14:30</b> : When XLR/TRS input selecte (Phantom off) <b>About 8:45</b> : When XLR/TRS input selecte (Phantom on) <b>About 27:00</b> : When 3/4 MIC (Built-in Mic) selected
Dimensions	6.65(W)×2.2(H)×4.2(D)in 169(W)×55.2(H)×106.5(D)mm (with the top adapter attached)
Weight	1.37lb ( including batteries ) / 1.16lb (without batteries ) 625g ( including batteries ) / 530g (without batteries )
Operating temperature	0 to 40■C
Standard accessories	USB cable, Camera attachment bracket screw hole covers × 6 Owner's Manual (including warranty)

<b>Audio performance</b>	
<b>Frequency response</b>	20-20kHz +0.5/-2dB(LINE IN or MIC IN to LINE OUT, Fs44.1k/48k Hz, JEITA) 20-40kHz +0.5/-3dB(LINE IN or MIC IN to LINE OUT, Fs96kHz, JEITA)
<b>Distortion</b>	0.02% or less(LINE IN or MIC IN to LINE OUT Fs44.1k/48k/96k Hz, JEITA)
<b>S/N ratio</b>	92dB or more(LINE IN or MIC IN to LINE OUT Fs44.1k/48k/96k Hz, JEITA)
<b>Equivalent input noise</b>	-120dBu or less

<b>Computer compatibility</b>
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<b>Windows</b>	
OS	Windows XP, Windows Vista, Windows 7, Windows 8, Windows 8.1
CPU	Pentium 300MHz or more
RAM	128MB or more
USB	recommended: USB2.0
<b>Macintosh</b>	
OS	Mac OS X Jaguar (V10.2), Mac OS X Panther (V10.3), Mac OS X Tiger (V10.4), Mac OS X Leopard (V10.5), Mac OS X Snow Leopard(V10.6.8), OS X Lion(V10.7), OS X Mountain Lion(V10.8), OS X Mavericks(10.9)
CPU	Power PC, iMac, G3, G4 266MHz or more
RAM	64MB or more
USB	recommended: USB2.0