

[GENERAL]

Power supply: DC12 V (10.5V to 17.0V)
Power consumption: 16W (main unit including viewfinder)

Operating ambient temperature:

32°F to 104°F (0°C to 40°C)

Storage ambient temperature:

-4°F to 140°F (-20°C to 60°C)

Operating ambient humidity:

Less than 80% (relative humidity)

Continuous operation time:

Approx. 120 minutes

(with Anton Bauer Trimpack 14, continuous recording time)

Dimensions**(W × H × D):**

4-15/16" × 11-1/2" × 13-5/16" (126 × 292 × 337 mm)

Weight:

7.7 lbs (3.5 kg) for main unit only

13.0 lbs (5.9 kg) for with NP-1 battery, viewfinder, Fujinon 14× lens,
184-minute tape

[CAMERA]

Image sensor: 1/3" IT-type CCD with on-chip lens (pixel shift system) × 3**Pixels:** 542 (H) × 492 (V)**Horizontal drive frequency:**

11.25 MHz

Sensitivity: 2000 lux, f/5.6**Minimum illumination:** 5 lux (f/1.4 +18 dB)**S/N ratio:** 60 dB (TYP)**Horizontal resolution:** Approx. 500 lines (center)**Vertical resolution:** 400 lines**Sampling frequency:** 13.5 MHz/27 MHz**Shutter speeds:** 1/100, 1/125, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/8000**Gain selection:** 0/6/12 dB or 0/9/18 dB**Lens mount:** 1/3" bayonet mount**Color separation optical system:**

Prism system (f/1.4)

Registration error: Less than 0.03% (full range, excluding lens distortion)**ND filter:** 1/16 ND, manual ON/OFF setting enabled by slide switch

[VIEWFINDER]

Display tube: 1.5" high-resolution monochrome tube**Horizontal resolution:** 600 lines (center)**External controls:** BRIGHT, CONTRAST, PEAKING controls,
TALLY ON/OFF, ZEBRA ON/OFF, CHARACTER ON/OFF switches

[VTR] The video and audio performance specifications apply for a tape which has been recorded on this unit and played back on a standard player (ANALOG COMPONENT OUT).

Tape speed:	33.8201 mm/sec
Recording/playback time:	Approx. 184 min. (* using AJ-5P92LP)
	* For AJ-5P92LP cassette tapes, use a VTR supporting DVCPRO (25 Mbps) 184 minute tapes.
FF/REW time:	Less than 8 min. (using AJ-5P92LP)
Video signal band:	Brightness = 0 Hz to 5.75 MHz, +1.0 dB/–3.0 dB
S/N ratio:	55 dB
Linearity:	Less than 2%
Y/C delay:	Within 30 ns
Audio sampling frequency:	48 kHz (synchronized with video)
Quantizing:	16 bits/sample
Frequency response:	20 Hz to 20 kHz, +1.0 dB/–1.5 dB (at reference level)
Distortion:	Less than 0.2% (at 1 kHz, operating level)
Crosstalk:	Less than –65 dB (between channels, at 1 kHz)
Wow and flutter:	Below measurable limits
Headroom:	20 dB

[CONNECTORS]

INPUT	FRONT MIC:	Phantom +48V (built-in microphone), –60 dBu, balanced, 3 k Ω (–60, –50 or –40 dBu setting possible on menu)
	AUDIO IN CH1/CH2 (XLR, 3P):	–60, –50 or –40 dBu setting possible on menu, balanced, 10 k Ω Internal DIP switch setting: Phantom 48V output possible line (–6/0/+4 dBu) switchable
OUTPUT	AUDIO OUT CH1/CH2 (Phono pin jack):	–6 dBu, unbalanced, low impedance output
	HEADPHONE OUT:	Stereo mini jack
	VIDEO OUT (BNC):	1.0 V _{P-P} , 75 Ω
	S-VIDEO OUT:	Y signal = 1.0 V _{P-P} , 75 Ω C signal = 0.286 V _{P-P} (burst), 75 Ω
OTHER	DC IN (XLR, 4P)	
	LENS (12P)	
	DVCPRO interface connector (option):	Complies with IEEE 1394-1995 standard

[ACCESSORIES]

- 1.5" viewfinder
- Microphone (attached to main unit)
- Battery holder (attached to main unit)
- Battery mounting connector and screw supporting Sony-made battery (NP-1B)

[GENERAL]

Power supply:	DC12 V (10.5 V to 17.0 V)
Power consumption:	18 W (main unit including viewfinder)

Operating ambient temperature:

0°C to 40°C

Storage ambient temperature:

-20°C to 60°C

Operating ambient humidity:

Less than 80% (relative humidity)

Continuous operation time:

Approx. 100 minutes

(with Anton Bauer Trimpack 14, continuous recording time)

Dimensions**(W × H × D):** 126 × 292 × 337 mm**Weight:**

3.7 kg for main unit only

6.1 kg for with NP-1 battery, viewfinder, Fujinon 14× lens, 184-minute tape

[CAMERA]

Image sensor: 1/3" IT-type CCD with on-chip lens (pixel shift system) × 3**Pixels:** 542 (H) × 584 (V)**Horizontal drive frequency:**

11.25 MHz

Sensitivity: 2000 lux, f/5.6**Minimum illumination:** 5 lux (f/1.4 +18 dB)**S/N ratio:** 58 dB (TYP)**Horizontal resolution:** Approx. 500 lines (centre)**Vertical resolution:** 500 lines**Sampling frequency:** 13.5 MHz/27 MHz**Shutter speeds:** 1/100, 1/125, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/8000**Gain selection:** 0/6/12 dB or 0/9/18 dB**Lens mount:** 1/3" bayonet mount**Colour separation optical system:**

Prism system (f/1.4)

Registration error: Less than 0.03% (full range, excluding lens distortion)**ND filter:** 1/16 ND, manual ON/OFF setting enabled by slide switch

[VIEWFINDER]

Display tube: 1.5" high-resolution monochrome tube**Horizontal resolution:** 600 lines (centre)**External controls:** BRIGHT, CONTRAST, PEAKING controls,
TALLY ON/OFF, ZEBRA ON/OFF, CHARACTER ON/OFF switches

[VTR] The video and audio performance specifications apply for a tape which has been recorded on this unit and played back on a standard player (ANALOG COMPONENT OUT).

Tape speed: 33.8539 mm/sec

Recording/playback time:

Approx. 184 min. (* using AJ-5P92LP)

* For AJ-5P92LP cassette tapes, use a VTR supporting DVCPRO (25 Mbps) 184 minute tapes.

FF/REW time: Less than 8 min. (using AJ-5P92LP)

Video signal band: Brightness = 0 Hz to 5.75 MHz, +1.0 dB/−3.0 dB

S/N ratio: 55 dB

Linearity: Less than 2%

Y/C delay: Within 50 ns

Audio sampling frequency:

48 kHz (synchronized with video)

Quantizing: 16 bits/sample

Frequency response: 20 Hz to 20 kHz, (+1.0 dB, −1.5 dB) (at reference level)

Distortion: Less than 0.2% (at 1 kHz, operating level)

Crosstalk: Less than −65 dB (between channels, at 1 kHz)

Wow and flutter: Below measurable limits

[CONNECTORS]

INPUT	FRONT MIC:	Phantom +48V (built-in microphone), −60 dBu, balanced, 3 k Ω (−60, −50 or −40 dBu setting possible on menu)
	AUDIO IN CH1/CH2 (XLR, 3P):	−60, −50 or −40 dBu setting possible on menu, balanced, 10 k Ω Internal DIP switch setting: Phantom 48V output possible line (−6/0/+4 dBu) switchable
OUTPUT	AUDIO OUT CH1/CH2 (Phono jack):	−6 dBu, unbalanced, low impedance output
	HEADPHONE OUT:	Stereo mini jack
	VIDEO OUT (BNC):	1.0 V _{P-P} , 75 Ω
	S-VIDEO OUT:	Y signal = 1.0 V _{P-P} , 75 Ω C signal = 0.3 V _{P-P} (burst), 75 Ω
OTHER	DC IN (XLR, 4P)	
	LENS (12P)	
	DVCPRO interface connector:	Complies with IEEE 1394-1995 standard

[ACCESSORIES]

1.5" viewfinder

Microphone (attached to main unit)

Battery holder (attached to main unit)

Battery mounting connector and screw supporting Sony-made battery (NP-1B)

[GENERAL]

Power supply: DC12 V (10.5V to 17.0V)
Power consumption: 16W (main unit including viewfinder)

Operating ambient temperature:

32°F to 104°F (0°C to 40°C)

Storage ambient temperature:

-4°F to 140°F (-20°C to 60°C)

Operating ambient humidity:

Less than 80% (relative humidity)

Continuous operation time:

Approx. 120 minutes

(with Anton Bauer Trimpack 14, continuous recording time)

Dimensions**(W × H × D):**

4-15/16" × 11-1/2" × 13-5/16" (126 × 292 × 337 mm)

Weight:

7.7 lbs (3.5 kg) for main unit only

13.0 lbs (5.9 kg) for with NP-1 battery, viewfinder, Fujinon 14× lens,
123-minute tape

[CAMERA]

Image sensor: 1/3" IT-type CCD with on-chip lens (pixel shift system) ×3**Pixels:** 542 (H) × 492 (V)**Horizontal drive frequency:**

11.25 MHz

Sensitivity: 2000 lux, f/5.6**Minimum illumination:** 5 lux (f/1.4 +18 dB)**S/N ratio:** 60 dB (TYP)**Horizontal resolution:** Approx. 500 lines (center)**Vertical resolution:** 400 lines**Sampling frequency:** 13.5 MHz/27 MHz**Shutter speeds:** 1/100, 1/125, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/8000**Gain selection:** 0/6/12 dB or 0/9/18 dB**Lens mount:** 1/3" bayonet mount**Color separation optical system:**

Prism system (f/1.4)

Registration error: Less than 0.03% (full range, excluding lens distortion)

[VIEWFINDER]

Display tube: 1.5" high-resolution monochrome tube**Horizontal resolution:** 600 lines (center)**External controls:** BRIGHT, CONTRAST, PEAKING controls,
TALLY ON/OFF, ZEBRA ON/OFF, CHARACTER ON/OFF switches

[VTR] The video and audio performance specifications apply for a tape which has been recorded on this unit and played back on a standard player (ANALOG COMPONENT OUT).

Tape speed: 33.8201 mm/sec
Recording/playback time: Approx. 123 min. (using AJ-P123LP)
FF/REW time: Approx. 5 min. 40 sec.
Video signal band: Brightness = 0 Hz to 5.75 MHz, +1.0 dB/−3.0 dB
S/N ratio: 55 dB
Linearity: Less than 2%
Y/C delay: Within 20ns
Audio sampling frequency: 48 kHz (synchronized with video)
Quantizing: 16 bits/sample
Frequency response: 20 Hz to 20 kHz, ±1.0 dB (at reference level)
Distortion: Less than 0.2% (at 1 kHz, operating level)
Crosstalk: Less than −65 dB (between channels, at 1 kHz)
Wow and flutter: Below measurable limits
Headroom: 20 dB

[CONNECTORS]

INPUT FRONT MIC: Phantom +48V (built-in microphone), −60 dBu, balanced, 3 k Ω
(−60, −50 or −40 dBu setting possible on menu)
AUDIO IN CH1/CH2 (XLR, 3P): −60, −50 or −40 dBu setting possible on menu, balanced, 10 k Ω
Internal DIP switch setting:
Phantom 48V output possible
line (−6/0/+4 dBu) switchable

OUTPUT AUDIO OUT CH1/CH2 (Phono pin jack): −6 dBu, unbalanced, low impedance output
HEADPHONE OUT: Stereo mini jack
VIDEO OUT (BNC): 1.0 V_{P-P}, 75 Ω
S-VIDEO OUT: Y signal = 1.0 V_{P-P}, 75 Ω
C signal = 0.286 V_{P-P} (burst), 75 Ω

OTHER LENS (12P)

[ACCESSORIES]

1.5" viewfinder
Microphone (attached to main unit)
Battery holder (attached to main unit)
Battery mounting connector and screw supporting Sony-made battery (NP-1B)

[GENERAL]

Power supply: DC12 V (10.5V to 17.0V)
Power consumption: 16W (main unit including viewfinder)

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Storage ambient temperature:

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Operating ambient humidity:

Less than 80% (relative humidity)

Continuous operation time:

Approx. 120 minutes

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123-minute tape

[CAMERA]

Image sensor: 1/3" IT-type CCD with on-chip lens (pixel shift system) ×3**Pixels:** 542 (H) × 492 (V)**Horizontal drive frequency:**

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Prism system (f/1.4)

Registration error: Less than 0.03% (full range, excluding lens distortion)

[VIEWFINDER]

Display tube: 1.5" high-resolution monochrome tube**Horizontal resolution:** 600 lines (center)**External controls:** BRIGHT, CONTRAST, PEAKING controls,
TALLY ON/OFF, ZEBRA ON/OFF, CHARACTER ON/OFF switches

[VTR] The video and audio performance specifications apply for a tape which has been recorded on this unit and played back on a standard player (ANALOG COMPONENT OUT).

Tape speed:	33.8201 mm/sec
Recording/playback time:	Approx. 123 min. (using AJ-P123LP)
FF/REW time:	Approx. 5 min. 40 sec.
Video signal band:	Brightness = 0 Hz to 5.75 MHz, +1.0 dB/−3.0 dB
S/N ratio:	55 dB
Linearity:	Less than 2%
Y/C delay:	Within 20ns
Audio sampling frequency:	48 kHz (synchronized with video)
Quantizing:	16 bits/sample
Frequency response:	20 Hz to 20 kHz, ±1.0 dB (at reference level)
Distortion:	Less than 0.2% (at 1 kHz, operating level)
Crosstalk:	Less than −65 dB (between channels, at 1 kHz)
Wow and flutter:	Below measurable limits
Headroom:	20 dB
Emphasis:	T1 = 50 μs, T2 = 15 μs Automatically set ON/OFF during playback; always OFF during recording
Audio AGC level:	Reference level + 8 dB

[CONNECTORS]

INPUT	FRONT MIC:	Phantom +48V (built-in microphone), −60 dBu, balanced, 3 kΩ (−60, −50 or −40 dBu setting possible on menu)
	AUDIO IN CH1/CH2 (XLR, 3P):	−60, −50 or −40 dBu setting possible on menu, balanced, 10 kΩ Internal DIP switch setting: Phantom 48V output possible line (−6/0/+4 dBu) switchable
OUTPUT	AUDIO OUT CH1/CH2 (RCA pin jack):	−6 dBu, unbalanced, low impedance output
	HEADPHONE OUT:	Stereo mini jack
	VIDEO OUT (BNC):	1.0 V _{P-P} , 75 Ω
	S-VIDEO OUT:	Y signal = 1.0 V _{P-P} , 75 Ω C signal = 0.286 V _{P-P} (burst), 75 Ω
OTHER	LENS (12P)	

[ACCESSORIES]

1.5" viewfinder
Microphone (attached to main unit)
Battery holder (attached to main unit)
Battery mounting connector and screw supporting Sony-made battery (NP-1B)

[GENERAL]

Power supply:	DC12 V (10.5V to 17.0V)
Power consumption:	17W (main unit including viewfinder)

Operating ambient temperature:

0°C to 40°C

Storage ambient temperature:

-20°C to 60°C

Operating ambient humidity:

Less than 80% (relative humidity)

Continuous operation time:

Approx. 100 minutes

(with Anton Bauer Trimpack 14, continuous recording time)

Dimensions

(W × H × D): 126 × 292 × 337 mm

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Minimum illumination: 5 lux (f/1.4 +18 dB)

S/N ratio: 58 dB (TYP)

Horizontal resolution: Approx. 500 lines (centre)

Vertical resolution: 500 lines

Sampling frequency: 13.5 MHz/27 MHz

Shutter speeds: 1/100, 1/125, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/8000

Gain selection: 0/6/12 dB or 0/9/18 dB

Lens mount: 1/3" bayonet mount

Colour separation optical system:

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Tape speed:	33.8539 mm/sec
Recording/playback time:	Approx. 123 min. (using AJ-P123LP)
FF/REW time:	Approx. 5 min. 40 sec.
Video signal band:	Brightness = 0 Hz to 5.75 MHz, +1.0 dB/−3.0 dB
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Frequency response:	20 Hz to 20 kHz, (+1.0 dB, −1.5 dB) (at reference level)
Distortion:	Less than 0.2% (at 1 kHz, operating level)
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Wow and flutter:	Below measurable limits

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OUTPUT	AUDIO OUT CH1/CH2 (Phono jack):	−6 dBu, unbalanced, low impedance output
	HEADPHONE OUT:	Stereo mini jack
	VIDEO OUT (BNC):	1.0 V _{P-P} , 75 Ω
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OTHER	LENS (12P)	

[ACCESSORIES]

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