FUJIFILM
I&I – Imaging & Information

BETACAM SP

BETACAM SP VIDEOCASSETTE

M321SP



The ultimate in Betacam SP performance—FUJIFILM's M321SP metal videocassettes.

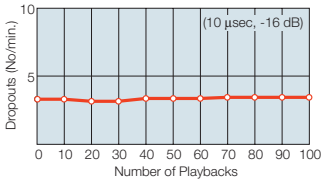
Super-Fine Metallix Particles

Exclusive Fujifilm Super-Fine Metallix metal magnetic particles are formulated to match the high carrier signal frequencies of Betacam SP, and are given an oxidation-resistant surface treatment to ensure long, reliable service. Durable, four-layer construction and advanced calendering technology boost tape transport stability and provide a mirror-smooth finish for excellent tape-to-head contact and minimal head wear.

Fewer Dropouts

Our superior magnetic particle formulation and tape construction technologies ensure high durability, with low electrical resistance at the tape surface. As a result, dropouts are kept to an absolute minimum—even after prolonged use under adverse environmental conditions.

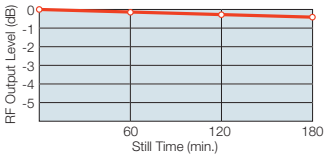
Changes in Dropouts Level after Repeated Playbacks



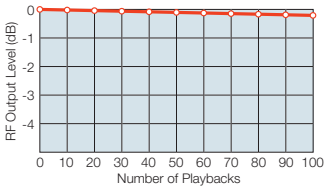
Extended Still & High-Speed Playback

Fujifilm M321SP videocassettes are designed to meet the high standards of quality and durability that busy editors and postproduction studios demand. Still playback capability of up to 180 minutes is offered, and decreases in RF output are minimal even after repeated search, pause and jog shuttle operations.

Changes in RF Output Level after Still Playbacks (f=7 MHz)



Changes in RF Output Level after Repeated Playbacks (f=7 MHz)



Excellent High-Frequency Signal Response

Exclusive metal magnetic particle formulation and dispersion technologies assure excellent high-frequency signal response. In particular, Fujifilm double-orientation technology plays an important role in attaining maximum Betacam SP system performance.

FUJIFILM M321SP Metal Videocassette Technical Data

Magnetic Properties	
Coercivity (Hc)	121 kA/m
Retentivity (Br)	260 mT
Physical Properties	
Tape Thickness: Total	14.5 µm
Tape Width	12.65 mm
Yield Strength	25 N
Breaking Tensile Strength	45 N
Residual Elongation	0.04 %
Performance	
Video RF Output	0 dB*
Video S/N	0 dB*
Audio Sensitivity	0 dB*
Audio Frequency Response	0 dB*

FUJIFILM M321SP Metal Videocassette Line-up

Cassette	Size	Tape Length	Recording Time		Dimensions		Weight (Including Case)
			PAL	NTSC	Cassette sheel	Case	
S	5M	42 $^{+2}_{0}$m (138 ft.)	6 min.	6 min.	156 x 96 x 25 mm	172 x 112 x 31 mm	260 g (0.57 lbs.)
	10M	78 $^{+2}_{0}$m (256 ft.)	12 min.	11 min.			270 g (0.60 lbs.)
	20M	150 $^{+2}_{0}$m (492 ft.)	24 min.	21 min.			285 g (0.63 lbs.)
	30M	222 $^{+2}_{0}$m (728 ft.)	36 min.	31 min.			310 g (0.68 lbs.)
L	60ML	457 $^{+2}_{0}$m (1499 ft.)	75 min.	64 min.	254 x 145 x 25 mm	272 x 162 x 33 mm	790 g (1.74 lbs.)
	90ML	670 $^{+2}_{0}$m (2198 ft.)	110 min.	94 min.			830 g (1.83 lbs.)

Note: Figures are typical values based on Fujifilm's standard measurement procedures.
The figures marked with * are comparisons with the Fujifilm reference tape.
Specifications are subject to change without notice.

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