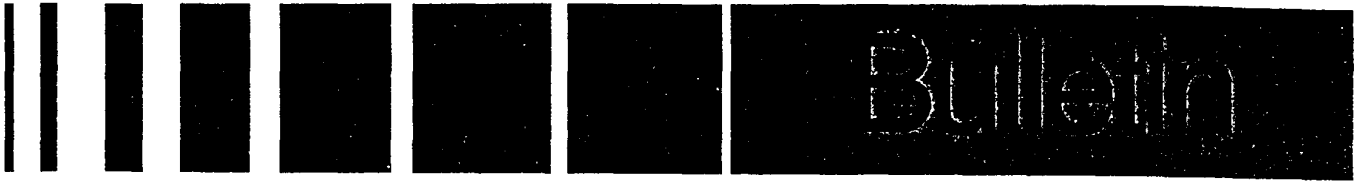


Broadcast and
Professional Group



DATE: APRIL 1, 1999

99-0003

TO: GENERAL RESELLERS

FROM: THERESA M. GORMAN / KEN NAKAGAWA

SUBJECT INTRODUCTION: CVX-V18NS NightShot™ CAMERA

Step into the dark with Sony's new CVX-V18NS NightShot Camera.

The DVCAM™ family has just been extended with another new and exciting product, the CVX-V18NS Nightshot Camera. Using the Nightshot function, this amazing camera has the ability to record objects under the darkest of conditions, even at 0 lux!

The CVX-V18NS connects to the DSR-V10 Video Walkman with an optional cable up to 33 meters long. The camera connects to the Camera Control Unit (CCU), attaching directly to the DSR-V10. All camera functions can be controlled from the CCU and power can be supplied from the DSR-V10.

With unique features and easy operation, the CVX-V18NS NightShot Camera expands your video possibilities, taking you to places you've never been before!



- Compact Camera Head
- Direct attachment to the DSR-V10
- NightShot Function (0 Lux recording capability)
- 18X Zoom Lens (72X digital)
- Steadyshot™ / Auto Focus
- Manual Camera Control via Camera Control Unit
- Battery / AC/ DC power operation
- Date / Time / Title Superimpose
- External Mic In / Audio Video Out
- Optional camera extension cable

PRICING & AVAILABILITY

Product Name	Brief Description	Suggested List Price	Reseller Price	Avail.
CVX-V18NS	NightShot Video Camera	\$ 830.00	\$ 625.00	April 99
CCN-10	Camera cable for the CVX-V18NS	\$ 100.00	\$ 70.00	April 99

INTRODUCTION: CVX-V18NS

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FEATURES & BENEFITS: CVX-V18NS

FEATURE	BENEFITS
Compact Size	The CVX-V18NS is compact and lightweight, even when connected to the CCU. The camera head can be mounted to a tripod. Additional cables can be added for a longer distance between the camera head and CCU of up to 33 meters.
¼" Precision CCD	The CVX-V18NS adopts the ¼" precision CCD with 470k pixel for a clear picture.
18X Zoom Lens	The CVX-V18NS is equipped with an 18X zoom lens (72X in digital zoom mode), for convenient shooting from a distance.
NightShot Function	NightShot function enables recording in 0 Lux conditions. The IR filter is disabled and additional IR rays can be lit so objects can be recognized by the CCD. Without the NightShot Function, the low light recording capability is 0.7 Lux.
Manual Camera Controls via Camera Control Unit	Focus, shutter speed and exposure can be controlled by the CCU. Focus can be selected from Auto, Manual (control by switch) or Infinity. Shutter speed is controllable from the CCU. Exposure can be controlled from the CCU, electrically lightening or darkening the image.
Steadyshot	The electrical image stabilizer is incorporated to reduce jumpiness from hand-held use or other movements. The precision CCD enables this without decreasing the image quality.
Date/Time	Date and time can be superimposed onto the image while recording. This is useful in evidence recording when the date and time stamp are necessary.
Title	One title (maximum 20 letters) can be created and superimposed onto the image. Titles can be rearranged with the option of 7 colors, vertical or horizontal positioning and/or superimposing a blinking title to make it more attractive.
Lithium-ion Battery System / AC power Operation	The CVX-V18NS is powered by either the attached Video Walkman or the Lithium-ion Battery attached directly to the CCU unit. The adoption of the Lithium-ion battery enables long operating hours. For example, using a fully charged NP-F950 operates the camera for more than 5 hours with IR light ON.
External Microphone IN	CVX-V18NS is equipped with an external microphone input allowing for audio recording while the video is shooting.
Audio Video OUT	CVX-V18NS is equipped with an audio and video output. Sound and image can be recorded onto any video device.
Menu Items	Menu setting can be chosen through the menu for the following functions : Digital Zoom / AF Sensitivity / Slow Shutter / IR Light / Steady Shot / Mirror / 16:9 Wide / Clock Set.
Cable Extension	Using the extension cable CCN-10 (10m), the camera head and CCU can be placed up to 33 meters apart for remote operation.

INTRODUCTION: CVX-V18NS

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SPECIFICATIONS: CVX-V18NS

Weight	Camera unit 343g CCU: 153g (without battery)
Dimensions	Camera Head: 63mm x 66mm x 115mm (W x H x D) CCU: 50mm x 59mm x 110mm (W x H x D)
Power Requirement	DC: 7.2V (Battery operation) DC 8.4V (AC operation)
Power Consumption	2.2 W (with the IR light off) 3.2 W (with the IR light on)
CAMERA	
Image Device	¼ inch Interline Transfer CCD
Picture Element	Gross: 470k Actual: 300k
Lens	F 1.4
Focal length	f = 4.1 mm (35mm conversion 41mm)
Focus	Auto, Manual, Infinity
Minimum Illumination	0.7 Lux (without NightShot, for IRE)
Shutter Speed	AUTO, ¼, 1/8, 1/15, 1/30, 1/60, 1/90, 1/100, 1/125, 1/180, 1/250, 1/350, 1/500, 1/725, 1/1000, 1/1500, 1/2000, 1/3000, 1/4000, 1/6000, 1/10000
NightShot	IR light transmitting distance: 5m (Auto mode) 20m (using Slow Shutter)
VIDEO	
Video Output	Composite: RCA x 1 S-Video: mini-DIN 4pin x 1
AUDIO	
Audio Output	RCA pin jack x 2 (L & R stereo)
OTHER	
Input/Output	External Mic In: Stereo mini-mini jack (plug in power) Multi connector (connecting to Video Walkman): 20 pin Camera cable connector (connecting to cable of camera head): 12 pin Battery connector

ACCESSORIES/LITERATURE

Supplied Accessories	Walkman Attachment unit Operating Instruction Manual
Optional Accessories	DSR-V10 DVCAM Video Walkman NP-F950 Battery pack AC-V700 AC Adapter / Charger DC-V700 DC Adapter / Charger CCN-10 Camera cable
Literature	V# 10996 (available after NAB '99)

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SPECIFICATIONS: CCN-10

Cable Length	10 m	
Connector	12 pin on 2 ends (Female and Male)	
Recommend cable length (using AC/DC adapter)		
Total cable length	Supplied Voltage	Output level
3 m (CVX-V18NS)	5.5 V or more	100%
13 m (using 1 CCN-10)	5.8 V or more	98%
23 m (using 2 CCN-10)	6.5 V or more	96%
33 m (using 3 CCN-10)	7.2 V or more	94%

Features and specifications are subject to change without notice. For further information, please contact your local Distribution Account Manager.

Good Selling!

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