Ikegami

Editcam2

Dramatically Enhanced Portability with Reductions in Both Size and Weight

The power of nonlinear recording was tapped by the first generation Editcam. Editcam2, the state-of-the-art nonlinear disk camera/recorder, will further expand this nonlinear horizon. While retaining disk-specific revolutionary features and capabilities, impossible with tape-based recording, Editcam2 sports substantial reductions in both size and weight of the FieldPak, its recording media. Power consumption has been greatly improved and the Editcam2 boasts a faster CPU to deliver greater responsiveness. Ikegami engineers listened to the many ideas and suggestions voiced by cameramen in the field. They used that input to greatly simplify the user interface. Editcam2 refines nonlinear-based video acuisition to perfection.

Nonlinear Technology Packed into a Compact Body

■Substantial Reductions in Size, Weight and Power Consumption

The second generation FieldPak has been dramatically reduced in size and weight, on the order of 80% over its predecessor. The Editcam2 achieves approximately a 20% reduction in size as compared to the first-generation Editcam. It also achieves a 30% saving in power consumption. Editcam2 offers remarkable improvements in ease of camera operation in the field.

■Operation as Remote editor

Editcam2 is equipped with an ethernet port, so that it can be interfaced with a notebook PC (Windows 95/98) via ethernet. By installing a special applications program on the notebook computer, the functions of Editcam2's disk section can be remotely controlled from the PC. With a video capture card installed into your PC, you can readily perform cut-only edits in the field, in a hotel room, or in a moving vehicle.

■Instant Preview Through Clip Navigation

Editcam2 automatically assigns clip numbers to recorded cuts. Any clip can be recalled instantly by designating its clip number, thus eliminating the need for the fast-forward/reverse associated with videotape. Additionally, clips can be randomly accessed through the clip number designation, timecode, Prior/Next buttons, or clip name.

A High Quality Performance Camera That Only Ikegami Can Deliver

■High-Performance Digital Processing

The camera contains the same newly-developed 10-bit digital processing Ics (ASICs) that are employed in Ikegami's cutting edge HL-series cameras for superb picture quality, excellent signal-to-noise ratio, high reliability and low power consumption. It also offers a host of features, including: versatile DTL functions, memory card capability for storing camera operating status parameters, and Personal function capability that assigns frequently used functions to buttons on the camera panel via the user setup.

■Two Models Available to Meet Your Needs

The DNS-21W features a 520,000-pixel FIT CCD. The DNS-201W uses a 520,000-pixel IT CCD. Both cameras are switchable between 16:9 and 4:3 aspect ratios.

Editcam2's Groundbreaking Features - Unavailable in Tape-Based Formats

■RetroLoop

This revolutionary feature allows you to capture an event up to three minutes after it has occurred! In RetroLoop mode, Editcam2 fills a "time buffer". User designated between 5 and 180 seconds. No longer will a cameraman need to pack a case of tape to cover a building implosion. All scripted scenes can be captured in one take. Entire sporting events can be distilled to an already-edited high reel. Rest assured that you'll capture random events, such as VIP exiting a building, a missile launch, a once in a lifetime wildlife scene, etc.
The applications are endless!

■Time Lapse Recording

Editcam2's time lapse recording capability allows you to record from one frame out of two, up to one frame a day. Surveillance video over a long period of time can be easily captured with a great efficiency. We can even instruct the Editcam2 to record signle frames on command for animation videography.

■Intelligent Recording

Editcam2 automatically seeks free space on the hard drive and records clips there, even during the playback of a clip. This ensures that you'll never accidentally overwrite recorded material, as you might do with videotape. You can safely preview footage anytime in the field.
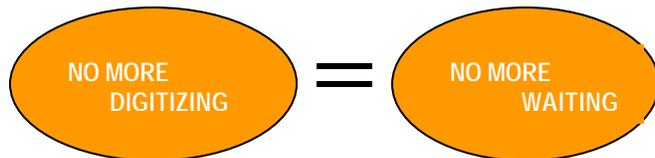
■High Quality Video

Editcam2 supports the following compression.* Together with a bit rate of 8 bits and a sampling rate 13.5MHz, it delivers high quality video.

AVR75,
AVR70BH,
JFIF 3:1, 10:1, 20:1
DV25, DV50
*AVR/JFIF or AVR/DV compression Model available

Editcam2 Unlock the Full Potential of Nonlinear Recording

Video captured by Editcam2 is recorded in the FieldPak2. Digitizing is already done.

Mount the recorded FieldPak2 into the DFPSA. Clips appear on the BIN monitor instantly.

No more waiting time and no more digitizing. Start nonlinear editing.

EditcamStation   FieldPak2

NO MORE DIGITIZING = NO MORE WAITING

No More Digiting ! The First and Still Only Camera/Recorder That Can Make This Claim !

■Direct Editing with Avid Media Composer

With the Editcam2, the media you acquire on is the same media you edit with. The FieldPak2 slips into the Desktop FieldPak Adaptor (DFPSA) housing and becomes another SCSI drive used by your editor. Once the FieldPak2 is mounted, clips can be listed by text or displayed in storyboard fashion. These clips can be immediately "dragged and dropped" into the timeline for the instant creation of sequential play lists. From acquisition to post-produciton with the same drive, Editcam2 eliminates the digitization process once and for all!

EditcamStation
- Portable Nonlinear Disk Recorder

The EditcamStation(DNE-11) is a portable nonlinear disk recorder that records to the same FieldPaks that are used by Editcam cameras. It is a direct replacement for a VTR with none of the liabilities associated with tape. Like the rest of the Editcam line of products, media recorded can be used by an Avid nonlinear editor immediately.

■Flexible Operation

The EditcamStation can accept composite video sources, anolog component signals through a 26-pin cable, or SDI sources. It can output in composite video or SDI.

■Simple Wditing with a PC

When connected to a notebook computer(running on Windows 95/98), the EditcamStation transforms itself into a simple cuts-only editor. This easy-to-load specialized editing software (called the Remote User Interface) gives the production staff the ability to see if a clip works in continuity with the one before it, instantly and anywhere.

■The Ideal Recorder

The EditcamStation is powered from 12VDC*. Lightweight and compact, two can fit side-by-side in a standard rack width. Like all Editcam technology, there are virtually no moving parts in the recorder itself. There are no heads to clog. There are no belts to break. There are no pincn rollers to replace. The EditcamStation is therecorder all VTRs aspire to be.

  *100/120VAC Specs are also available.

■Efficient FieldPak Management

In the course of production, individual clips can be transferred to from one FieldPak to another. Consolidation of useable material greatly increases shooting efficiency and reduces the number of drives taken in the field.

■Alternate Recording Media or Data Transfer

Video can be recorded directly to a SCSI drive or to an array of drives housed in an Avid Media Dock. These drives can then, of course, be connected to Avid Media Composer for immediate editing. Up to seven external hard disk drives can be daisy chained to permit enormous amounts of high-quality video to be recorded.
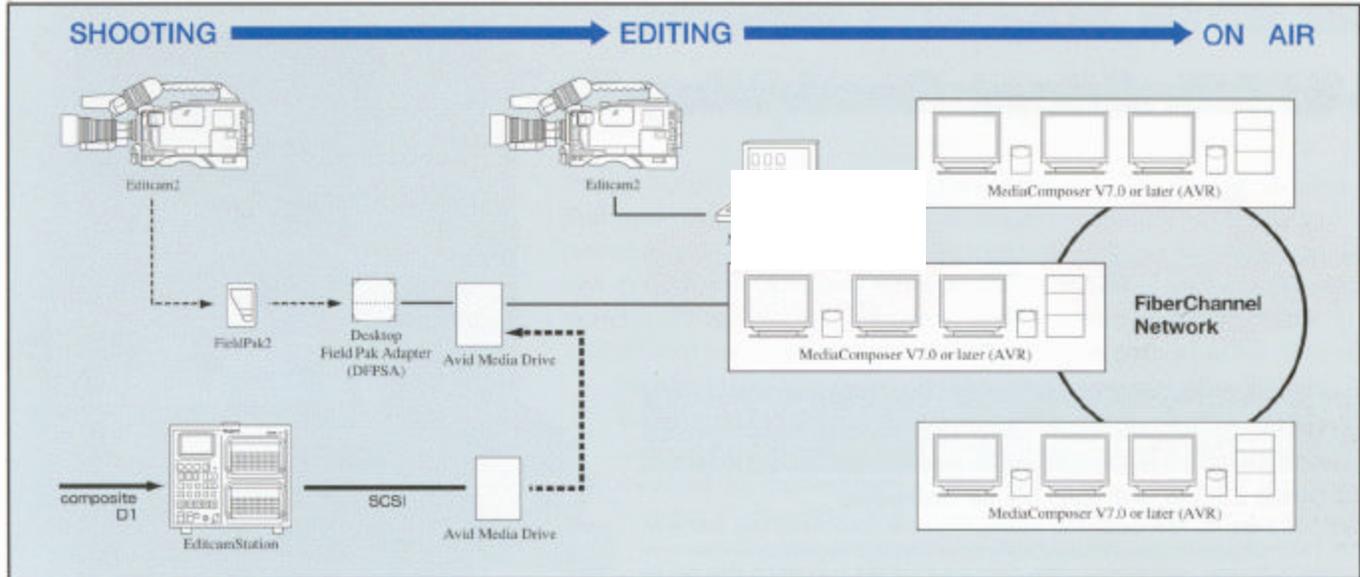
DNR-20
- Dockable Disk Recorder

The DNR-20, dockable recorder with 79 pin interface will be also available (AVR75/AVR70BH, JFIF3:1, 10:1, 20:1) to dock with Ikegami HL-57/59 camera directly. Optional 50 pin interface version Will be docked to Ikegami HL-43/45/45A camera.

FieldPak2 offers
High Reliability and Stability

■Down to Pocket Size

FieldPak2's compact body actually fits in a shirt pocket. The size and weight of FieldPak2 have been reduced on the order of 80% from the original FieldPak, yet it retains the same rugged construction as its predecessor. The cameraman's burden is relieved by 2 pounds per FieldPak and his media is stored in a package that is smaller than most cassettes. The cost of FeildPak2 is less than half of it's predecessor.

[System Applications]

SHOOTING ➡ EDITING ➡ ON AIR

Editcam2 · FieldPak2 · Desktop Field Pak Adapter (DFPSA) · Avid Media Drive · Editcam2 · MediaComposer V7.0 or later (AVR) · FiberChannel Network · composite D1 · EditcamStation · SCSI · Avid Media Drive · MediaComposer V7.0 or later (AVR) · MediaComposer V7.0 or later (AVR)

[Performance]
■ Camera Side

Image Sensor	DNS-201W 2/3" IT CCD, 520,000pixels x3
	DNS-21W 2/3" FIT CCD, 520,000pixels x3
H. Resolution	600TVL (16:9), 700TVL (4:3)
V. Resolution	400TVL (Super V: off)
	480 TVL (Super V:on)
S/N	62dB
Sensitivity	DNS-201W f11 at 2000 lux
	DNS-21W f8 at 2000 lux
Min Illumination	DNS-201W 0.12 lux approx.
	DNS-21W 1 lux approx.
Registration	Less than 0.03%
Quantization Bit	10-bit
Sampling Freq.	18MHz
Ext Sync Signal	VBS 1.0Vp-p ±6dB or BBS 0.45Vp-p ± 6dB
	75ohms
Video Output	VBS 1Vp-p 75ohms
Monitor Output	VBS or VS 1.0Vp-p 75 ohms
Gain Selection	-3, 0, +3, +6, +12, +18, +36, +42, +48dB
Electric Shutter	1/60(off), 1/100, 1/120, 1/250, 1/500, 1/1000
	1/2000
(CVSS)	DNS-201W 1/60.3 ~ 1/787sec
	DNS-21W 1/30.5 ~ 1/57.4, 1/60.6 ~1/1748sec

■ Recording side

Sampling	4:2:2 13.5MHz/8-bit
Input Signal	Camera Video Input: Y, Cr, Cb/0.7Vp-p or
	Ext Video Input: 1Vp-p, positive(BNC)
	Audio Input: 2ch, 3pin, -60dB/+4dB balanced
Output Signal	Program Video Output:1Vp-p/75ohm, positive
	75ohm(SMPTE-170M)
	Monitor Video Output: Y signal output
	Audio Output:2ch +4dB, 600ohm balanced
	(output level: variable)

[Specifications]

Optical Filter	DNS-201W	1	2	3	4
	CC:	3000K	5600K	5600K	5600K
			+6.2%ND		+1.6%ND
	DNS-21W				
	ND:	100%	25%	6.2%	1.6%
		A	B	C	D
	CC:	3200K	4300K	6300K	CROSS

Lens Mount	Bayonet
Power Requirement	DNS-201W: DC+12V (+11~+17V), 28W
	DNS-21W: DC+12V (+11V~+17V), 29W
Ambient Temp.	0°C ~ +40°C (+32°F ~ +104°F) (Operation)
Humidity	85% or less
Dimensions	W130 x H253 x D326mm
	(5.12 x 9.96 x 12.83 inches)
Weight	4.8kg approx (10.58 lbs)

Design and specifications are subject to change without notice.
* Editcam is a registered trademark of Ikegami Electronics (USA) Inc.

Ikegami Electronics (U.S.A.) Inc

■ URL: http://www.ikegami.com