

SONY.

VIEW SYSTEM™ WORKSTATION
VIW-3015A
WITH VGA VIDEO/GRAPHICS
OVERLAY SYSTEM



VIW-3015A

The VIW-3015A is the latest in the Sony VIEW System™ line of high-performance, integrated, interactive videodisc workstations. It is compatible with the Sony SMI-3081 VGA Video/Graphics Overlay System and provides CGA, EGA, and VGA graphics compatibility; advanced VGA graphics; non-interlaced, flicker-free display; IBM® InfoWindow™ emulation; and both graphics and text overlay on video.

Meeting and exceeding industry graphics standards, the flexible Sony VIW-3015A can run more off-the-shelf interactive courseware than any other system available. The VIW-3015A may be used to deliver both courseware developed for the Sony HG high-resolution graphics system and, as a standard feature, most courseware developed for the IBM InfoWindow system. Sony's single-vendor integrated system solution provides reliability and performance over an extensive range of hardware and software configurations.

Industry Standard Graphics Compatibility

The VIW-3015A provides CGA, EGA, and VGA compatibility and will overlay in a wide variety of VGA modes.

IBM InfoWindow Emulation

The VIW-3015A will run most of the hundreds of off-the-shelf courseware titles designed for the IBM InfoWindow system.

Advanced VGA Graphics Capability Up to 256 simultaneous colors (from a palette of 256,000 colors) can be displayed at a sharp 640 x 480 resolution.

Non-Interlace Display Flicker-free display of high resolution overlay graphics allows more realistic simulations and more accurate graphic representation.

High Speed Access Random access to any of 54,000 video frames in 2.5 sec. or less.

Automatic Front-Load Mechanism The front-loading tray on the videodisc player is motor driven for ease of use. Its movement may be controlled manually or by external computer control.

Control Program Software (SMW-3060)

Advanced software provides videodisc, touch screen, display mode and superimposer interfaces for simplified control of easily customized configurations.



Sophisticated design in both hardware and software permits individual choice when it comes to input device, graphics standard, and courseware solutions.

The system controller includes MS-DOS® software compatibility and an IBM PC/AT™ compatible expansion bus allowing use of a wide variety of off-the-shelf software, plug-in boards, and peripheral devices. The VIW-3015A provides distinct advantages including...

- Engineered as an interactive video system
- Guaranteed component compatibility
- Guaranteed service/parts support
- Small footprint uses less space
- Easy to move
- Easy to ship
- Easy to set up
- Internal expansion
- Sony name & quality—A safe bet

Sony knows that systems are only as good as the programs that run on them. That's why the Sony VIW-3015A is designed to run hundreds of courseware programs created for business, training, and education. Generic off-the-shelf courseware is available to effectively and comprehensively teach computer

skills, management and sales skills, hazardous materials handling, foreign languages, and math and science skills just to name a few.

The VIW-3015A is the first integrated interactive video system capable of running both courseware developed for the Sony VIEW System products using the HG graphics/overlay system and courseware developed for the IBM InfoWindow system. New circuitry and a new enhanced BIOS ROM allow both HG and VGA graphics to co-exist in the same system. Training departments appreciate the impact of information presented on the Sony VIEW System workstation, which can make complex skills training understandable and memorable. In the wide field of training, results collected from sources as diverse as automotive service technicians, the armed forces, salespeople and surgeons have proven that interactive training is faster, more complete and more consistent than traditional methods.

In addition to using both off-the-shelf and custom courseware, the VIW-3015A can be used as a powerful authoring station to create custom courseware and to repurpose or customize existing courseware. Sony's optional Software Development Toolkit (SMW-3061) includes a C Language Function library and utilities that reduce development

time and costs. Utilities in the Software Development Toolkit allow Sony .PIX files to be easily converted to PC Paintbrush™ and Dr. Halo™ compatible files for conversion of existing applications.

Hour after hour, day after day, year after year, Sony VIEW System workstation performance is put to the test in active public information systems and point-of-sale, trade show, and museum exhibits. And every day, Sony integrated systems pass the test with system-smart design and built-in features such as the player's automatic optical block lock-down and impressive 10,000 hours Mean Time Between Failure rating. Standing behind Sony's single source solution is the service, parts, and technical assistance you expect from a leader in technology innovation—should you ever need it.

The VIW-3015A is designed to take advantage of the huge catalog of courseware available for federal, industrial, educational, and business applications, and is flexible enough to be compatible with new courseware as that catalog expands. Most importantly, the VIW-3015A is designed with the sophistication and industrial strength that has made the Sony VIEW System workstation the recognized leader in high performance interactive communications systems.



VIW-3015A SPECIFICATIONS

SYSTEM CONTROLLER

CPU	8MHz 80286, MS-DOS-based system controller (80287 option)
Interrupt	15 Ch. IRQ, 1 NMI
DMA	7 ch.
Interval timer	3 ch.
RAM	640Kb
ROM	128Kb, IBM-BIOS + VIEW Extended BIOS
Clock/calendar	NiCad battery backed-up
RS-232C ports	2 ports (standard) 2 additional ports (option)
Printer ports	1 port
IEEE-488 bus interface	1 port (option)
Internal floppy disk drive	3.5"/1.44Mb, 1 FDD (2nd FDD optional)
Internal hard disk	40Mb (option)
Keyboard I/F	IBM-PC/AT 5151 equivalent
Keyboard	Included
Light-pen I/F	Yes (with SMI-3085 HG option only)
Maximum Resolution	1 page @ 640 x 480 x 256 colors (256,000 color palette)
Video Graphics RAM	512 Kb
Inputs	LDP Audio/Video Input, A/V connector
Outputs	LDP Audio/Video Looping Output, A/V connector Analog RGB = D-Sub 15-pin Female connector
Video	Analog RGB, 0.7V +/- 0.05V (@ 25°C), non-interlaced More than 400 TV lines resolution
Audio	S/N ratio, over -35 dB

Character Modes:

MODE	NUMBER OF CHARACTERS	CHARACTER SIZE	COLORS	STANDARD
0,1	40 x 25	8 x 8	16	CGA/EGA/VGA
0,1	40 x 25	8 x 14	16	EGA/VGA
0,1	40 x 25	9 x 16	16	VGA
2,3	80 x 25	8 x 8	16	CGA/EGA/VGA
2,3	80 x 25	8 x 14	16	EGA/VGA
2,3	80 x 25	9 x 16	16	VGA

Graphics Modes:

MODE	RESOLUTION	COLORS	STANDARD
4,5	320 x 200	4	CGA/EGA/VGA
6	640 x 200	2	CGA/EGA/VGA
D	320 x 200	16	EGA/VGA
E	640 x 200	16	EGA/VGA
10	640 x 350	16	EGA
11	640 x 480	2	VGA
12	640 x 480	16	VGA
13	320 x 200	256	VGA
5F	640 x 480	256	Advanced VGA

LDP-1500 VIDEO DISC PLAYER FOR VIW-3015A

Pick-up method	Laser beam (reflective)
Laser	Semiconductor diode laser ($\lambda = 7800 \text{ \AA}$)
Video disc	12" and 8"
Maximum playing time	CAV: 30 minutes/side CLV: 60 minutes/side
Spindle revolution	CAV: 1800 rpm CLV: 1800 to 600 rpm
Access time	CAV: 2.5 sec. (frame access) 10 sec. (chapter access) CLV: 10 sec.

OPTIONAL ACCESSORIES

CPD-1302A	13" Super Fine Pitch™ Monitor
SRS-100	Speaker system with built-in 17 watt amplifier and volume control
CPD-1302A/D	13" Super Fine Pitch Monitor with DuraTouch™ touch screen
CPD-1302A/I	13" Super Fine Pitch Monitor with IntelliTouch™ touch screen

Features and specifications are subject to change without notice.

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Printed in USA 1/89 (156) I-0043