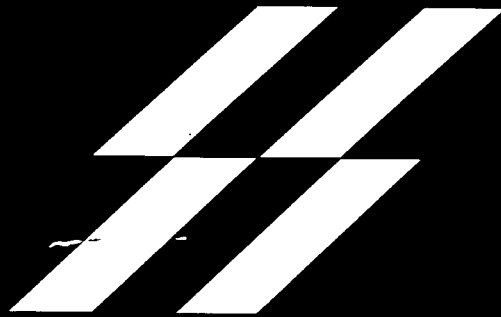


**SONY
SECURITY
SYSTEMS
PRODUCTS**

SONY



**SONY
SECURITY
SYSTEMS**

N O T H I N G E S C A P E S U S . TM

N I N G E S C A P E S

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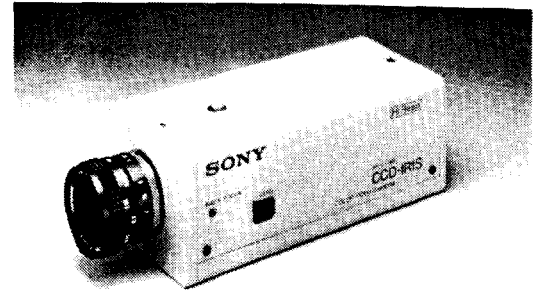
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B/W CCD Cameras

SSC-M370/SSC-M374

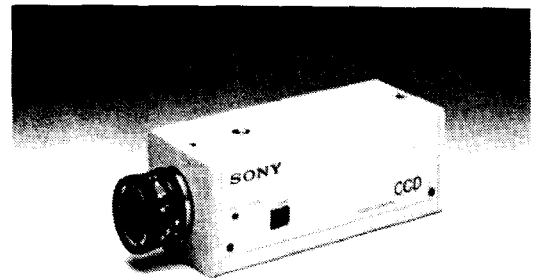
1/2" Hyper HAD® high resolution CCD B/W camera (768 x 494)
 570 line horizontal resolution
 Excellent sensitivity (minimum scene illumination of 0.3 lux* at f1.2)
 Wide range electronic CCD Iris™ function (1/60 - 1/100,000 sec.) allows use of inexpensive manual iris lenses
 C-mount capability
 Accepts video type auto iris lenses
 AC 24V Line Lock with V-phase for SSC-M374
 Single cable power-over-coax and sync multiplex with Optional YS-W130 or YS-W230 camera adaptor, or DC12V for SSC-M370
 VS Genlock & secondary video output (when optional power adaptor is used) capability on the SSC-M370



Hyper HAD®

SSC-M350/SSC-M354

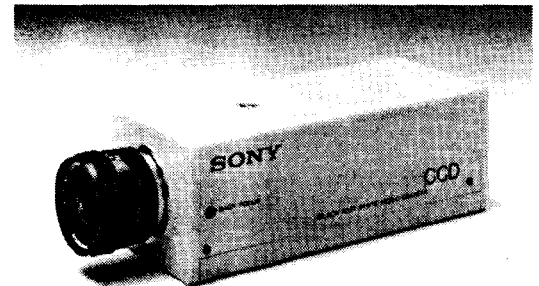
1/2" Hyper HAD® CCD B/W camera (510 x 492)
 380 line horizontal resolution
 Excellent sensitivity (minimum scene illumination of 0.3 lux* at f1.2)
 Wide range electronic CCD Iris™ function (1/60 - 1/100,000 sec.) allows use of inexpensive manual iris lenses
 C-mount capability
 Accepts video type auto iris lenses
 AC 24V Line Lock with V-phase for SSC-M354
 Single cable power-over-coax and sync multiplex with Optional YS-W130 or YS-W230 camera adaptor, or DC12V for SSC-M350
 VS Genlock & secondary video output (when optional power adaptor is used) capability on the SSC-M350



Hyper HAD®

SSC-M254/SSC-M256

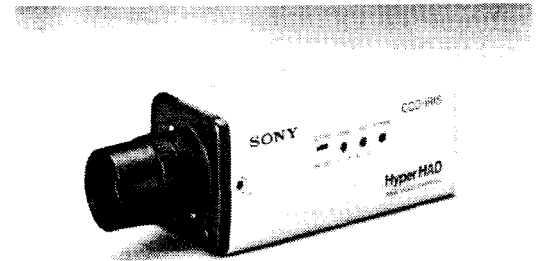
1/2" Hyper HAD® CCD B/W camera (510 x 492)
 380 line horizontal resolution
 Excellent sensitivity (minimum scene illumination of 0.3 lux* at f1.2)
 8-step electronic iris function allows use of inexpensive manual iris lenses (1/60 - 1/10,000 sec.)
 CS-mount (C-mount adaptor included)
 Accepts video type auto iris lenses
 AC 24V Line Lock with V-phase for SSC-M254
 AC 120V Line Lock with V-phase for SSC-M256



Hyper HAD®

SPT-M104A

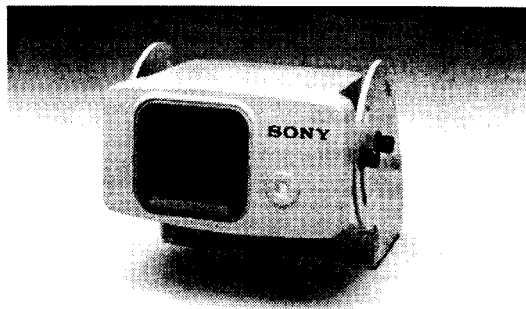
1/3" Hyper HAD® CCD B/W camera (510 x 492)
 380 line horizontal resolution
 Excellent sensitivity (minimum scene illumination of 0.1 lux* at f1.2)
 Wide range electronic CCD Iris™ function (1/60 - 1/100,000 sec.)
 Adjustable level and peak to average light compensation in CCD Iris™ mode
 C/CS-mount with precision double cam mechanism
 Accepts DC type auto iris lenses
 AC 24V Line Lock with V-phase
 Compact design: 4 7/8" (123mm) length



Hyper HAD®

B/W CCD Cameras

SSC-520AM/BB

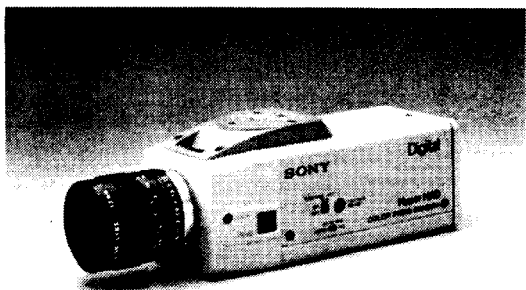


Hyper HAD®

1/2" Hyper HAD® CCD B/W camera
380 lines horizontal resolution
Built-in 3mm f1.4 wide angle auto iris lens provide 100° horizontal view
Shock-resistant, splash-proof diecast aluminum environmental housing
Built-in water-resistant microphone
Wide operating temperature range (-4° to +158°F)
4-pin quadaxial cable for video, audio and power
Supplied with breakout box, BB-442 (4-pin to BNC video, Phono audio, and DC 12V jack) and extra bracket with wide adjustment angle (WU-520AM)

Color CCD Cameras

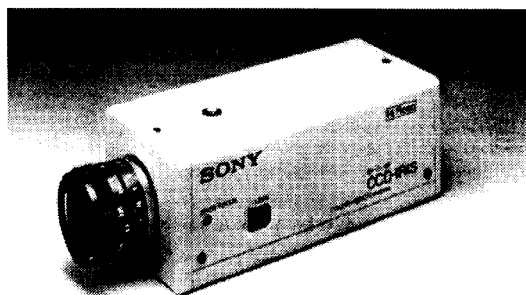
SSC-DC30/SSC-DC34



Hyper HAD®

1/2" Hyper HAD® high resolution CCD color camera (768 x 494)
470 line horizontal resolution
Digital signal processing with Smart Control™
Automatic backlight compensation
Improved auto tracking white balance
High sensitivity (minimum scene illumination of 1.9 lux* at f1.2)
Wide range electronic CCD Iris™ function (1/60 - 1/100,000 sec.)
C/CS-mount capability
Accepts both video and DC auto iris lenses
AC 24V Line Lock with V-phase on the SSC-DC34
Single cable power-over-coax and sync multiplex with Optional YS-W130 or YS-W230 camera adaptor, or DC 12V for SSC-DC30
VS Genlock & secondary video output (when optional power adaptor is used) capability on the SSC-DC30

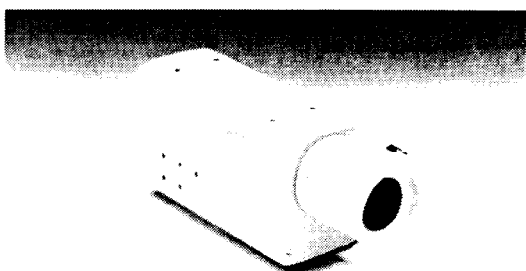
SSC-C370/SSC-C374



Hyper HAD®

1/2" Hyper HAD® high resolution CCD color camera (768 x 494)
470 line horizontal resolution
High sensitivity (minimum scene illumination of 2.5 lux* at f1.2)
Wide range electronic CCD Iris™ (1/60 - 1/100,000 sec.)
C-mount capability
Accepts video type auto iris lenses
AC 24V Line Lock operation with V-phase on the SSC-C374
Auto Tracking White (ATW) and Auto White Balance (AWB) modes
Single cable power-over-coax and sync multiplex with Optional YS-W130 or YS-W230 camera adaptor, or DC 12V for SSC-DC30
VS Genlock & secondary video output (when optional power adaptor is used) capability on the SSC-C370

SSC-S20



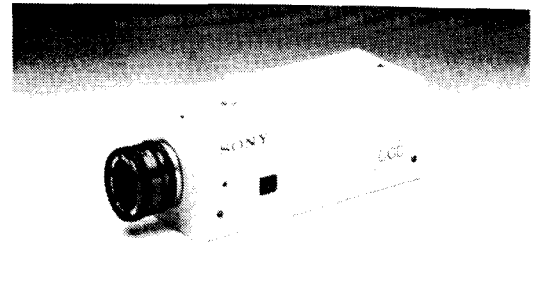
Hyper HAD®

1/2" Hyper HAD® high resolution CCD color camera (768 x 494)
460 line horizontal resolution
Minimum illumination of 4 lux* with f1.2 lens
Component color (Y/C) and composite video outputs
C-mount capability
Accepts video type auto iris lenses
Built-in camera ID (0-99) and time/date generator with 4-day backup
Auto Tracking White Balance (ATW) with lock and 2 preset color temperature settings (indoor/outdoor)
Full genlock capability (VBS or BS); Subcarrier and H-phase adjustable
AC 24V or DC 12V operation

Color CCD Cameras

SSC-C350/SSC-C354

1/2" Hyper HAD® CCD color camera (510 x 492)
 Over 330 lines horizontal resolution
 High sensitivity (2.5 lux* at f1.2)
 Wide range electronic CCD Iris™ function (1/60 - 1/100,000 sec.)
 C-mount capability
 Accepts video type auto iris lenses
 Through the lens Auto Tracking White (ATW) or Auto White Balance (AWB) modes
 AC 24V Line Lock operation with V-phase on the SSC-C354
 Single cable power-over-coax and sync multiplex with optional YS-W130 or YS-W230 camera adaptor, or DC 12V for SSC-C350
 VS Genlock & secondary video output (when optional power adaptor is used) capability on the SSC-C350



Hyper HAD®

SSC-C154

1/3" Hyper HAD® CCD color camera (510 x 492)
 330 lines horizontal resolution
 Excellent sensitivity (1.9 lux* at f1.2)
 Wide range electronic CCD Iris™ function (1/60 - 1/100,000 sec.)
 C/CS-mount using Double Precision Cam mechanism
 Accepts video and DC type auto iris lenses
 Auto Tracking White Balance (ATW) and Auto White Balance (AWB) capabilities
 AC 24V Line Lock with V-phase adjustment capability

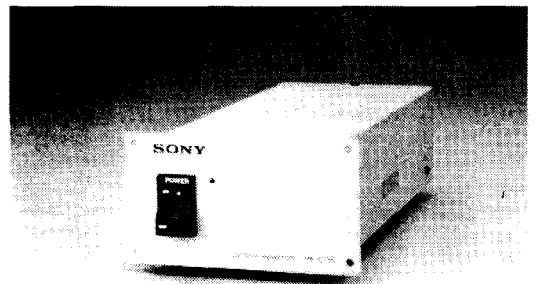


Hyper HAD®

Power Adaptors

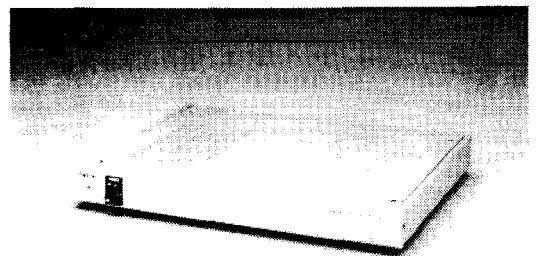
YS-W130

Provides power-over-coax and sync multiplex capability for one camera
 Two isolated video outputs per camera input
 External sync in and out capability
 Built-in cable loss compensation
 Applicable cameras: SSC-M350, SSC-M370, SSC-C350, SSC-C370, SSC-DC30



YS-W230

Provides power-over-coax and sync multiplex capabilities for up to four cameras
 Two isolated video outputs per camera input
 External sync in and out capability
 Built-in cable loss compensation
 Applicable cameras: SSC-M350, SSC-M370, SSC-C350, SSC-C370, SSC-DC30



1/2" FORMAT LENSES

B/W Cameras

Color Cameras

MODEL NUMBER	LENS MOUNT	SPT-M104A	SSC-M254/	SSC-M350/	SSC-M370/	SSC-C154	SSC-C350/	SSC-C370/	SSC-DC30/	
			SSC-M256	SSC-M354	SSC-M374		SSC-C354	SSC-C374	SSC-S20	SSC-DC34
VCL-S03XM	C	•	✓	✓	✓	•	✓	✓	✓	✓
VCL-S06XM	C	•	✓	✓	✓	•	✓	✓	✓	✓
VCL-S12XM	C	•	✓	✓	✓	•	✓	✓	✓	✓
VCL-S03XEA	C		✓	✓	✓	•	✓	✓		✓
VCL-S06XEA	C		✓	✓	✓	•	✓	✓		✓
VCL-S12XEA	C		✓	✓	✓	•	✓	✓		✓
DF-35BSND41/1	C		✓	✓	✓	•	✓	✓		✓
DF-6BSND41/1	C		✓	✓	✓	•	✓	✓		✓
DF-12BSND41/1	C		✓	✓	✓	•	✓	✓		✓
DF-28BSND41/1	C		✓	✓	✓	•	✓	✓		✓
12PZA10X8	C		✓	✓	✓	•	✓	✓		✓
SDF-35BSND41	C									✓
SDF-6BSND41	C									✓
SDF-12BSND41	C									✓
C-60302FQ	CS	•				•				✓
C-60614FQ	CS	•				•				✓
C-61212FQ	CS	•				•				✓

1/3" FORMAT LENSES

B/W Camera

Color Camera

MODEL NUMBER	LENS MOUNT	SPT-M104A	SSC-C154
C-70202	CS	✓	✓
C-70402	CS	✓	✓
C-70802	CS	✓	✓
C-70200PS	CS	✓	✓
C-70400PS	CS	✓	✓
C-70800PS	CS	✓	✓
YF2.5A-SNDSA1/1	CS	✓	✓
YF3.5A-SNDSA3/1	CS	✓	✓
YF6A-SNDSA3/1	CS	✓	✓
YF12A-SNDSA3/1	CS	✓	✓
13PZG10X6	CS	✓	✓

CS-Mount Auto Iris Lenses are DC (Non-ALC) Type

- Field of view will be narrower
- ✓ Suitable for use

HOUSINGS/BRACKETS

OUTDOOR ENVIRONMENTAL CAMERA HOUSINGS

SVL-9100	Camera housing, 9.5" maximum interior length capacity
SVL-12C	Clear domed housing, 7" interior space
SVL-18C	Clear domed housing, 14" interior space
SVL-18B	Bronze domed housing, 14" interior space

INDOOR CAMERA HOUSINGS

SVLM-6W	Discreet white domed housing with 7.5" interior space
SVLM-6B	Discreet black domed housing with 7.5" interior space
SVLM-12W	Discreet white domed housing with 11" interior space
SVLM-12B	Discreet black domed housing with 11" interior space

MOUNTING BRACKETS FOR CAMERA HOUSINGS

WM-12	Wall mount bracket for SVL-12C 12" dome housings
WM-18V	Wall mount bracket for SVL-18C/B 18" dome housings
PM-3	Pole mount adaptor with stainless steel straps used in conjunction with WM-18V and WM-12
PM-3T	Stainless steel strapping tool used to mount the PM-3
CA-2	Corner mount adaptor used in conjunction with WM-18V and WM-12
9000-HW	Medium duty wall mount bracket for 9000 series housings with adjustable head
9000-HP	Medium duty pole mount bracket for 9000 series housings with adjustable head
9000-HC	Medium duty corner mount bracket for 9000 series housings with adjustable head

HEATERS AND COOLING FANS FOR CAMERA HOUSINGS

SVL9F-24	AC 24V blower for SVL-9100
SVL9F-115	AC 115V blower for SVL-9100
SVL91H-24	AC 24V heater for SVL-9100
SVL91H-115	AC 115V heater for SVL-9100
SVL12F-24	AC 24V blower for SVL-12C
SVL12F-115	AC 115V blower for SVL-12C
SVL12H-24	AC 24V heater for SVL-12C
SVL12H-115	AC 115V heater for SVL-12C
SVLF18-24	AC 24V blower for SVL-18C/B
SVLF18-115	AC 115V blower for SVL-18C/B
SVLH18-24	AC 24V heater for SVL-18C/B
SVLH18-115	AC 115V heater for SVL-18C/B

COILED CABLES FOR CAMERA HOUSINGS

VC-3	24" (6 ft. extended) coiled cable with BNC connectors and leads to power low voltage cameras
VC-4	48" (7 ft. extended) coiled cable with BNC connectors and leads to power low voltage cameras and 4 conductors for zoom lenses

CAMERA BRACKET

CB101	6" Camera mounting bracket, wall or ceiling mount
--------------	---

POWER ADAPTORS

AC-D468	AC adaptor with selectable 6/9/12-volt (800mA capacity) DC output for use with SSM-520AM/BB
DCC-120A	Car battery adaptor with 6-12v DC output. May be used with SSC-520AM/BB

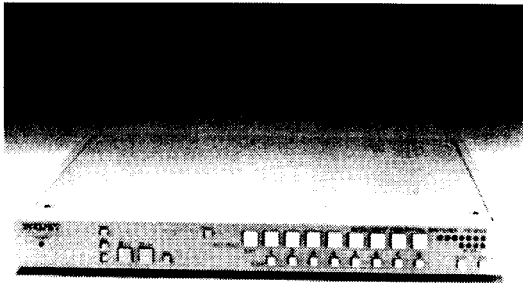
Intelligent Components

YS-F100



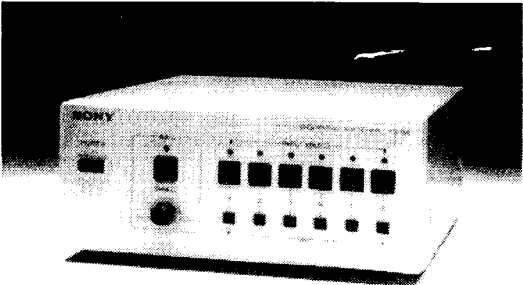
- 8 camera input multiplexer; accepts color or B/W
- Asynchronous camera input eliminates need for synchronizing cameras
- Auto-sensing capability—automatically skips blank channels
- Video loss detection
- Built-in time and date generator
- On-screen prompts for ease of programming
- 16 alphanumeric characters for each camera input
- S-VHS record/playback capability
- Alarm log capability—up to 100 events
- Selectable alarm switching speeds of either 2-hour or 12-hour
- Rack ears supplied (1 rack unit high)

YS-S100



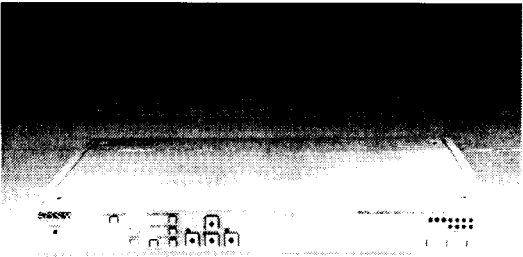
- 8 camera input bridging sequential switcher, and one external input
- Built-in 8-character camera ID generator
- Built-in time/date generator
- Independent dwell time
- Variable alarm duration
- Logs alarm inputs; up to 108 events showing date/time, camera number
- 2 video outputs; sequence and spot
- On-screen prompts for ease of operation
- Built-in RS-232C and RS-485 computer ports
- Built-in battery backup for programmed settings
- Rack ears supplied (1 rack unit high)

YS-S6



- 6 camera input sequential switcher
- Six video inputs with loop-through, and one switched output
- Sequential and spot monitor modes
- Variable dwell time
- DC 9V operation. AC adaptor included

YS-D100



- Single channel digital video motion detector
- User programmable detection zones of up to 288 blocks per page
- Two 'pages' of user defined detection areas
- On-screen prompts for ease of operation
- Displays intruded areas on alarm
- Five modes of detection; page 1, page 2, and 3 combinations using page 1 and page 2 memory
- Adjustable sense levels, alarm duration and sense interval
- Provides audible and visual indications on alarm
- Built-in RS-232C and RS-485 computer ports
- Rack ears supplied (1 rack unit high)

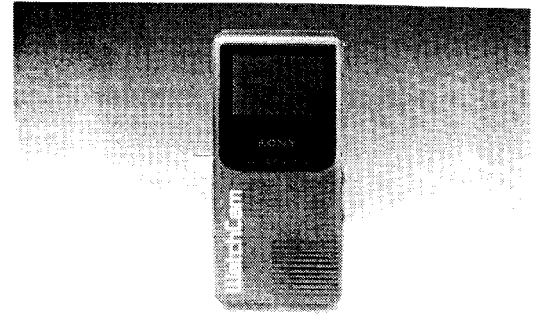
B/W Monitors

FDM-030

2.7" handy field B/W flat display monitor for audio and video
 EIA/CCIR compatible by automatic electronic sensing
 Operates on 4 AA batteries (included) or via DC jack
 BNC type connector for video input and mini-jack for audio input
 Carrying case with hood, handstrap and earphone supplied

OPTIONAL ACCESSORIES

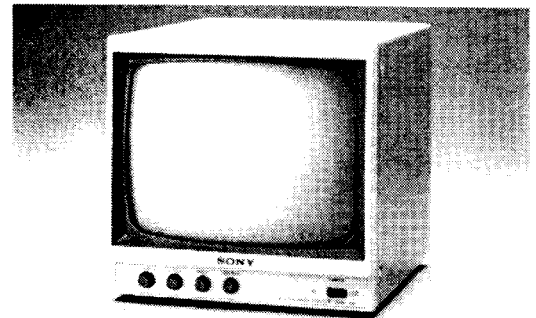
AC-D4L AC adaptor
 DCC-120A car battery adaptor



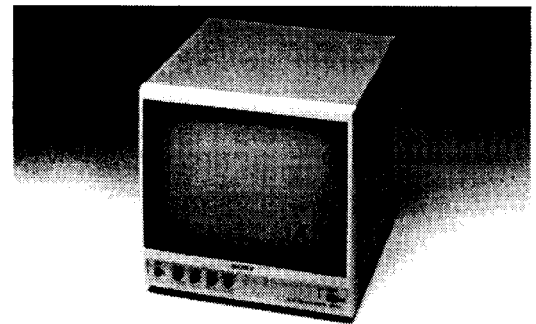
WATCHCAM®

SSM-930

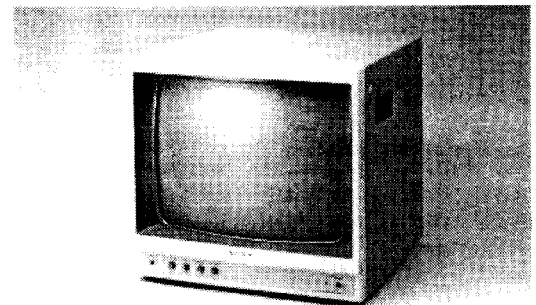
9" high resolution B/W monitor
 Over 750 lines of horizontal resolution
 Loop-through video input with switchable 75-ohm termination
 DC clamp switch provides a stable reference for black level
 19-inch EIA standard rack mountable for dual monitor configuration using optional MB-900 (5 rack units high); BP-900 blank panel if only one monitor is used.

**SSM-121**

12" high resolution B/W monitor
 Over 750 lines of horizontal resolution
 Loop-through video input with switchable 75-ohm termination
 Two video inputs A/B switchable on front panel
 19" rack mount capable with optional SMB-121 (7 rack units high)

**SSM-171**

17" high resolution b/w monitor
 Over 850 lines of horizontal resolution
 Two video inputs switchable on front panel
 Loop-through with switchable 75-ohm termination
 DC clamp switch provides a stable reference for black level
 Universal power capability - AC 120V to 220V, 50/60 Hz
 19" rack mountable with optional RMM-171 rack ears (9 rack units high)



Accessories

RACK MOUNT ADAPTORS

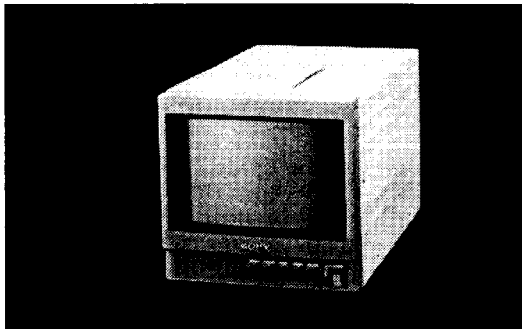
- MB-900** 19" rack mount adaptor for dual SSM-930 configuration. Front trim panel included (5 rack units high)
- BP-900** Blank panel for MB-900 when only one SSM-930 is used with the MB-900
- SMB-121** 19" rack mount adaptor for SSM-121 (7 rack units high)
- RMM-171** Rack ears for the SSM-171 (9 rack units high)

POWER ADAPTORS

- AC-D4L** AC adaptor with DC 6V output, 600mA capacity. May be used with the FDM-030
- DCC-120A** Car battery adaptor, DC 6/12V output, DC 12V input

Color Monitors

PVM-8040



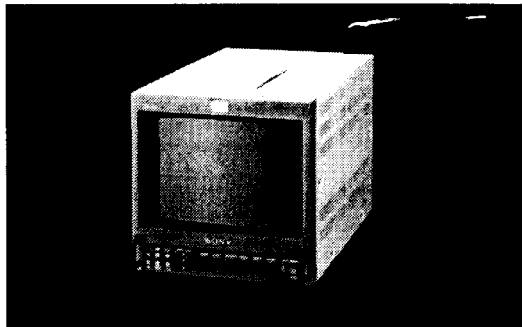
- 8" Trinitron® color monitor
- 250 lines horizontal resolution
- Beam current feedback for stable white balance
- Composite and Y/C inputs
- Audio input
- 19" rack mount capability with optional MB-507

OPTIONAL ACCESSORIES

- MB-507 Rack kit (5 rack units high)
- MB-509 Blank panel

TRINITRON®

PVM-8041Q



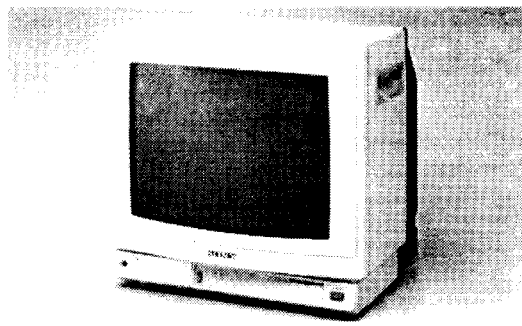
- 8" Trinitron® color monitor
- AC/DC operation
- 250 lines horizontal resolution
- Beam current feedback for stable white balance
- Composite, Y/C and RGB/Component inputs
- Blue only mode for easy chroma/phase adjustment
- 3 audio inputs
- Underscan capability
- 19" rack mount capability with optional MB-507

OPTIONAL ACCESSORIES

- NP-1B Battery
- BC-1WD Charger unit for 4 NP-1B
- MB-507 Rack kit (5 rack units high)
- MB-509 Blank panel

TRINITRON®

SSM-1380



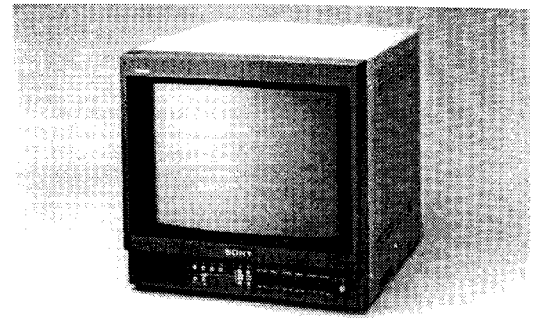
- 13" Trinitron® color monitor
- Two sets of video inputs with front panel switching
- Built-in speaker for audio monitoring
- Better than 250 lines of horizontal resolution
- Loop-through audio and video with 75-ohm termination (video)

TRINITRON®

Color Monitors

PVM-1350

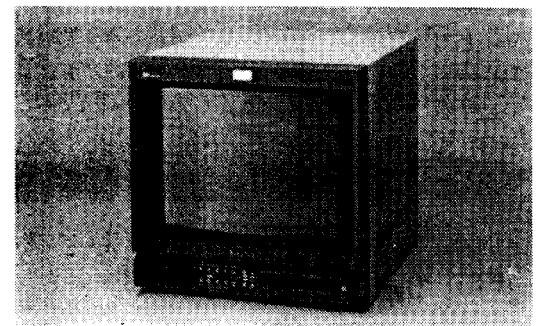
13" high resolution Trinitron® color monitor
 Over 450 lines of horizontal resolution
 Accepts one Y/C, two (2) composite and one RGB inputs
 Built-in Beam Current Feedback assures stable white balance
 On-Screen Menus for ease of set-up
 Built-in speaker for audio monitoring
 Auto/manual degaussing
 Rack mount capability with optional MB-502B, (8 rack units high)



TRINITRON®

PVM-1354Q

13" high resolution Trinitron® color monitor
 Over 600 lines of horizontal resolution
 Accepts four color systems
 — NTSC
 — NTSC_{4.43}
 — PAL
 — SECAM
 Accepts one Y/C, two composite and one RGB/component inputs
 Built-in Beam Current Feedback assures stable white balance
 Underscan capability
 On-Screen Menus for ease of set-up
 Auto/manual degaussing
 Built-in speaker for audio monitoring
 Rack mount capability with optional MB-502B, (8 rack units high)



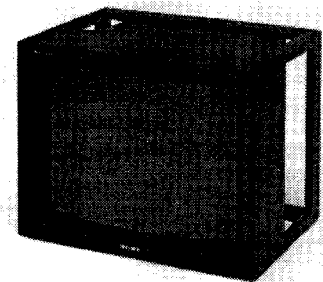
TRINITRON®

PVM-2030/BS

20" high resolution Trinitron® color cubic monitor
 High resolution—560 lines
 Touch sensitive panel controls
 Two composite video inputs and one S-Video input plus CGA capability
 Stereo audio inputs
 Optional external speakers—SS-X6A can be attached to monitor
 Built-in manual degaussing
 Supplied with RM-739 wireless remote control

OPTIONAL ACCESSORIES

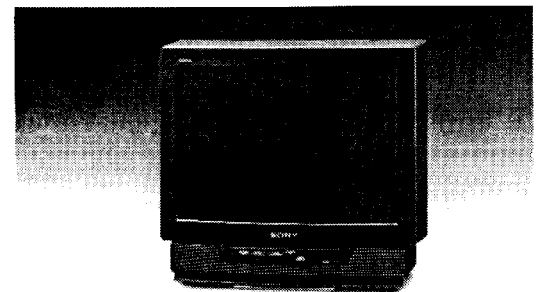
SS-X6A Speakers



TRINITRON®

CKV-20DST1/5

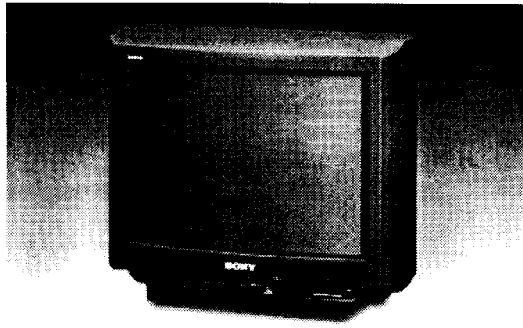
20" Trinitron® color monitor/receiver
 Superior picture performance
 Wide channel coverage
 Supplied remote control unit RM-Y116
 On-screen control function
 Provided with closed caption



TRINITRON®

Color Monitors

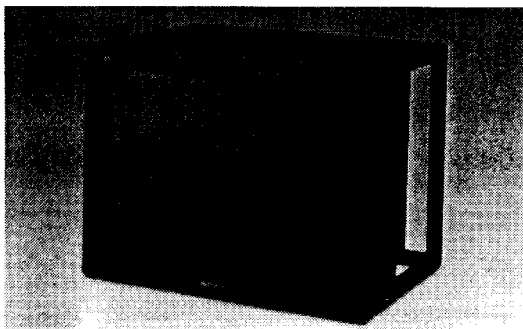
CKV-20HX1/5



TRINITRON®

- 20" Trinitron[®] color monitor/receiver
- Superior picture performance
- Wide channel coverage
- Multi-channel TV sound (MTS)
- Matrix surround sound system
- Supplied remote control unit RM-Y117
- On-screen control function
- Provided with closed caption

PVM-2950Q



TRINITRON®

- 29" high resolution Trinitron[®] color monitor
- Over 600 TV lines of horizontal resolution
- Beam current feedback for stable white balance
- 2 Composite/S video inputs and 1 RGB/Component color input
- Accepts worldwide TV standards (PAL/SECAM/NTSC/NTSC4.43)
- On screen control levels and status
- 3 audio inputs, plus 2 external speaker outlets

OPTIONAL ACCESSORIES

SS-X6A Speakers

Accessories

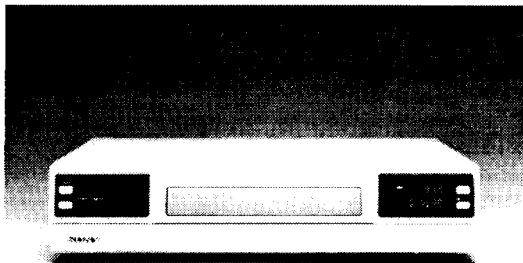
RACK MOUNT ADAPTORS

MB-507	19" rack mount for pair of PVM-8040 or PVM-8041Q 5 rack units
MB-509	Blank Panel for use with MB-507 when only one PVM-8040 or PVM-8041Q is mounted
MB-502B	19" rack mount adaptor for PVM-1350 & PVM-1354Q 8 rack units
SLR-102	Slide rail kit for use with MB-502B

VIDEO RECORDERS

VHS VCRs

SVT-5000



- VHS time lapse VCR
- 12 recording modes, up to 960 hours on T-120 VHS tape
- Built-in time-date generator with 15-day backup
- 350-line resolution (B/W), 250-line (color)
- Audio recording up to 24 hours
- Alarm search, scan and log features
- One shot, serial and repeat recording
- Tape end alarm
- Security lock

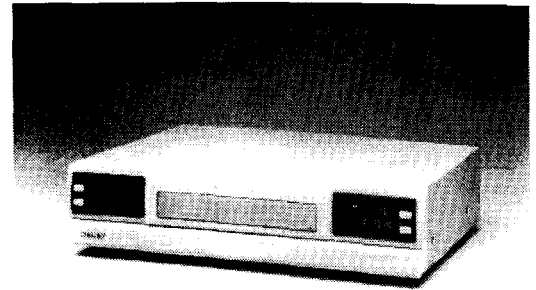
OPTIONAL ACCESSORIES

SMB-5000 19" rack kit (3 rack units high)

VHS VCRs

SVT-3000

VHS time lapse VCR
 1 week (168 hour) recording/playback capability
 Built-in time-date generator with 15-day backup
 Over 300 lines of horizontal resolution
 Audio recording in 2, 12 and 24 hour modes
 Built-in 8 event daily/weekly timer
 Selectable alarm recording speeds
 Auto repeat recording, alarm scan capabilities
 Security lock

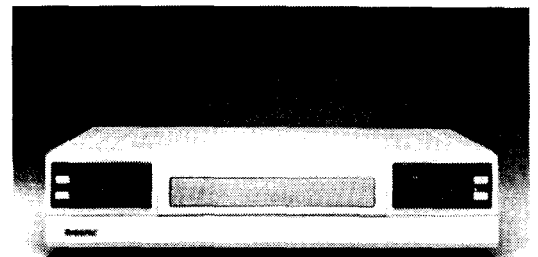


OPTIONAL ACCESSORIES

SMB-5000 19" rack kit (3 rack units high)

SVT-100

VHS time lapse VCR
 3 recording modes—up to 24 hours on a single T-120 tape
 Built-in time-date generator with 15-day backup
 Over 300 line resolution (B/W), 230-line (color)
 Audio recording up to 24 hours
 Alarm log features
 On-screen indicators for operating parameters
 Tape end alarm
 Security lock

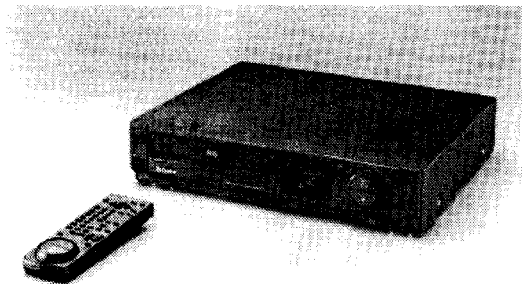


OPTIONAL ACCESSORIES

SMB-5000 19" rack kit (3 rack units high)

SVO-1450

Real time VHS VCR
 Dual azimuth Pro-4 head VHS monaural recorder
 Dual mode shuttle control
 Auto head cleaner
 Auto power on, auto rewind & auto power-off eject
 Key inhibit and remote off functions
 Control S input
 Supplied with wireless remote control unit RMT-V130F



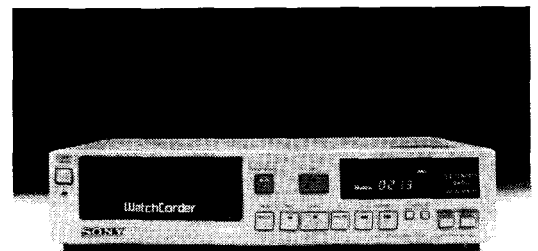
OPTIONAL ACCESSORIES

RKSVO-30 19" rack kit (3 rack units high)
 RM-V200 wired/wireless remote control unit

8mm VCRs

EVT-820

8mm color extended band still-frame time lapse VCR particle tape
 Noiseless still-frame/field playback
 Built-in time date generator, 4-position selectable
 Matrix timer allows timer recordings of 21 events per week for 3 different recording speeds
 Up to 760 hours recording on P6-90MP 90 minute metal particle tape
 Alarm recall feature shows on-screen alarm events (up to 99)
 Alarm search allows one to go to alarmed segments automatically
 External timing signal for interfacing with switcher
 Capable of serial recording



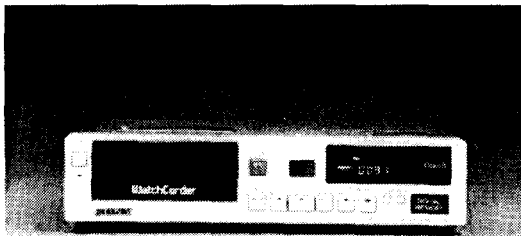
OPTIONAL ACCESSORIES

MB-800 19" rack mount adaptor
 SLR-800 Slide rail kit

WATCHCORDER™

8mm VCRs

EVT-801



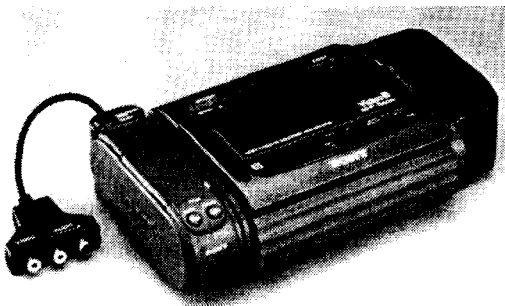
8mm B/W extended band still-frame time lapse VCR
Forward or reverse playback including frame by frame
Noiseless still-frame/field playback
Built-in time/date generator, 2-position selectable
Up to 384 hours recording on P6-90MP 90-minute metal particle tape
Front loading for convenient rack mounting applications
Automatic track finding with digital interpolator

OPTIONAL ACCESSORIES

MB-800 19" rack mount adaptor (2 rack units high)
SLR-800 Slide rail kit

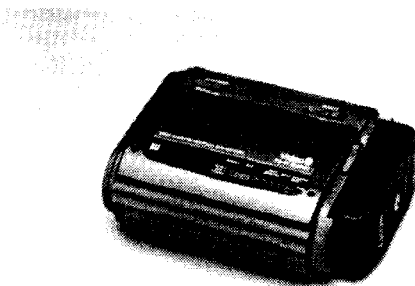
WATCHCORDER™

ZBOX-1



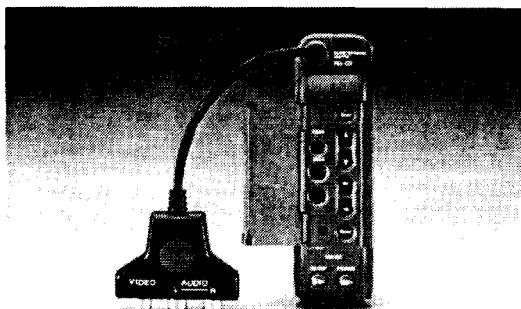
The ZBOX-1 Incident Video Recorder consists of the EVO-220 8mm Video Recorder and the PGV-220 Incident Recording Adaptor and is shown with the optional NP-80 battery.

EVO-220



Compact size and weight (5⁷/₈" x 2¹/₂" x 5¹/₈") (1 lb., 8 oz.)
Quasi Hi-8™ tape playback
Up to 5 hours recording (LP) w/P6-150MPB tape
AC/DC power operation capability
AFM Hi-Fi stereo audio recording
Control L terminal
Slide cover safeguards control panel
DCP-77 car battery adaptor supplied

PGV-220



Selectable program recording — alarm, continuous, Quasi TLV, timer recording, auto repeat
Time-date generation
Alarm log
A/V input terminal
Selectable line/mic inputs—2 channels
On-screen programming for ease of setup
Compact—less than 1¹/₂" wide
Independent lithium power supply—retains unit's memory during power outage

VHS OPTIONAL ACCESSORIES

T-120PM	Standard 2-hour tape for SVT-5000, SVT-3000 and SVT-100
SMB-5000	19" rack kit for SVT-5000, SVT-3000 and SVT-100. (3 rack units high)

8MM OPTIONAL ACCESSORIES

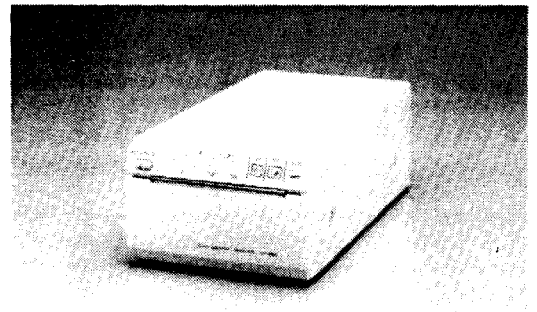
MB-800	19" rack mount adaptor for EVT-801 and EVT-820. (2 rack units high)
SLR-800	Slide rail kit for EVT-801 and EVT-820
P6-120MPB//A	8mm metal particle tape for EVT-801 and EVT-820
DC-S10	Car battery charger
AC-S10	AC power adaptor
NP-68	1800 mAH battery
NP-80	2700 mAH battery
NP-80D	2700 mAH battery w/level indicator
P6-120MPB//A	120-minute, metal particle 8mm video cassette
P6-150MPB	150-minute, metal particle 8mm video cassette
AC-V55	Universal AC/DC adaptor/charger for NP-68, NP-80, NP-80D
MDR-E515	Stereo headphone for EVO-220
RKG-136HG	A/V cable for the EVO-220 and FDL-X40
FDL-X40	4" color LCD monitor
RFU-89UCKA	Ch. 3/4 RF modulator unit for EVO-220
DCC-16AW	Car battery cord for use with AC-V55

PRINTERS

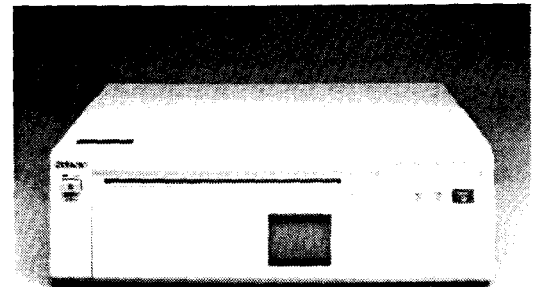
B/W Video Printers

UP-880

Small format B/W video printer
 Standard or side printing capability
 256 shades of gray
 Multiple print modes: small, 1.5 or 2 times zoom, & large
 High resolution, high density prints at 10.2 dots/mm
 Hard copy prints in less than 4 seconds
 Automatic selection of EIA (525 lines) or CCIR (625 lines) standards
 Choice of three thermal paper types: standard (UPP-110S/3) or high density (UPP-110HD), and UPP-110HA paper with wider dynamic range
 Approximately 230 prints per roll

**UP-910**

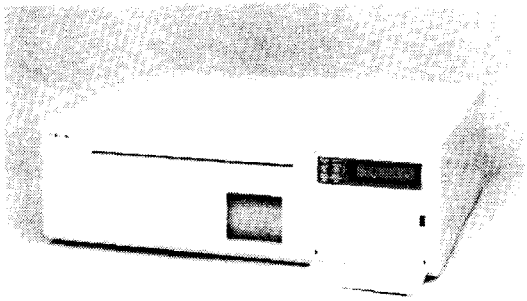
Large format B/W video printer; 6" x 8" (wide mode) print size
 128 shades of gray
 High resolution, high density 768 x 508 dot pattern
 Hard copy prints in approximately 25 seconds
 Automatic selection of EIA (525 lines) or CCIR (625 lines) standards
 Choice of two thermal paper types: standard (UPP-216SE) or high density (UPP-216HD)
 130 prints per roll



PRINTERS

B/W Video Printers

UP-930



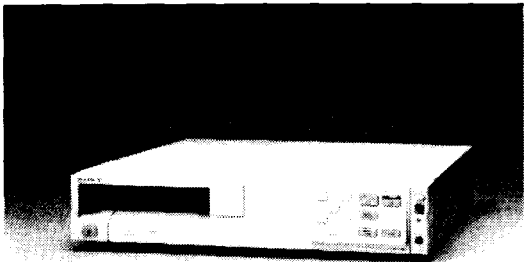
Large format B/W Multiscan® printer
Multiple print modes - one, two, four or eight images per page
Fast print time of approximately 20 seconds
128 shades of gray
Multiscan capability from approximately 15 to 50 kHz
Composite and RGB inputs
RS-232C control interface
Approximately 130 prints per roll
Optional SMF-3005 RGB cable

OPTIONAL ACCESSORIES

UPP-216SE Standard paper roll
UPP-216HD High density paper roll

Color Video Printer

UP-1200



256 gradations produce over 16 million colors per dot
Over 500 TV lines of horizontal resolution
Accepts composite or Y/C video inputs
Video loop through on power off mode
Fast print time—60 seconds per print
Caption setting—up to 60 characters
4 or 16 split memory capability
100 sheet capacity

OPTIONAL ACCESSORIES

UPC-1010 Color print pack
UPC-1020 B/W print pack

Accessories

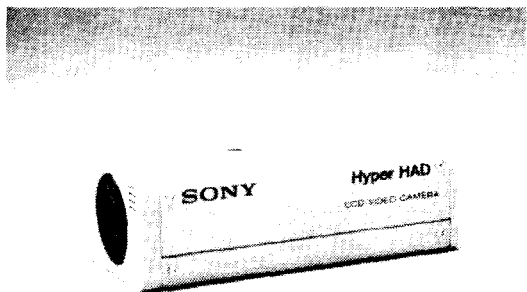
PRINTER ACCESSORIES

UPP-110S/3 Thermal printing paper for UP-860
UPP-110HD High density thermal printing paper for UP-860
UPP-110HA Newly developed printing paper with wider dynamic range for UP-880
UPP-216SE Large format thermal printing paper for UP-910 & UP-930
UPP-216HD High density printing paper for UP-910 & UP-930
RM-91 Remote print button
FS-20 Wired remote foot-switch
UPC-1010 Color Print pack for UP-1200, 100 sheets/pack
UPC-1020 B/W Print pack for UP-1200, 100 sheets/pack

WATCHCAM®

WatchCam® Camera

HVM-352



1/2" HyperHAD™ CCD B/W camera
380 lines horizontal resolution
Built-in 11mm f1.8 auto iris lens
Mini-bayonet mount: optional lenses available
Built-in electret condenser microphone
High sensitivity (scene illumination of 0.7 lux* at f1.8)
Easy installation using 4-pin quadaxial cable

OPTIONAL LENSES

VCL-04HS (4mm wide angle adaptor)
VCL-06HS (6mm wide angle adaptor)
VCL-06PH (6mm pinhole lens)

4" flat display B/W monitor
 A/V output for VCR recording via optional VMC-612MS cable
 4-pin quad coaxial input connector
 Built-in 1.5" speaker and volume control
 6V DC operation via DC input jack

OPTIONAL ACCESSORIES

AC-40U Power adaptor
 VK-30D Female BNC to male quad coaxial connector
 VMC-612MS A/V output cable

**Accessories****CABLES FOR WATCHCAM® SERIES****4-PIN CONNECTOR CONFIGURATION**

VK-025A	Quad coaxial 8 ft. cable with male-male 4-pin connectors
VK-110	Quad coaxial 33 ft. extension cable; male-female 4-pin connectors
VK-110A	Quad coaxial 33 ft. cable; male-male 4-pin connectors
VK 120A	Quad coaxial 66 ft. cable; male-male 4-pin connectors
VK-220/5	Waterproof quad coaxial 66 ft. cable; male-female 4-pin connectors
VK-1PG	Quad coaxial 12-inch pigtail cable; specify male or female connector
VK-1100BC	Quad coaxial 330 ft. bulk cable
VK-1500BC	Quad coaxial 1600 ft. bulk cable
VK-30D	Female BNC to male 4-pin quad coaxial connector; 12 inches
VK-30C	Male BNC connector to female 4-pin quad coaxial connector; 12 inches
VMC-612MS	Unconnector for use on A/V out of FDM-402A splits audio and video to 2-RCA type connectors
WPC-140	Waterproof/water-resistant camera housing. Housing for HVM-352. Waterproof if used with VK-220/5 only

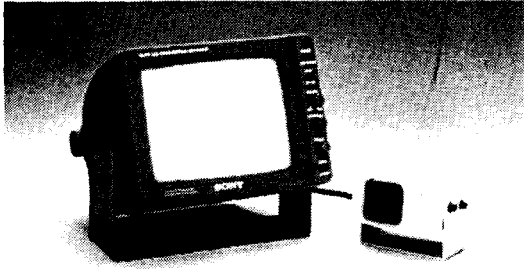
POWER ADAPTORS

DCC-120A	Car battery adaptor with 6 - 12V DC output. May be used with FDM-030, FMD-402A, 600mA ~ 1.2
AC-40U	AC Adaptor with 6V DC output. For use with FDM- 402A and HVM-352, 800 MA capacity
BB-442	Breakout box for the HVM-352. can be mounted onto the camera directly

ACCESSORIES

AP-110	Switcher Remote Control Kit – Combined package containing the AP-11 remote switch and AP-10 2-way video distribution amplifier – DC-6V operation – AP-11 has built-in switchable on/off timer of 60 seconds to provide auto-turn on of the FDM-402A monitor upon activation – AP-10 has built-in DC output cord and 4-pin connector (3 ft.) for hookup to FDM-402A monitor
AP-10	2-way Video Distribution Amplifier – Enables control of camera On/Off from 2 locations – Attached 3 ft. DC output cord and male 4-pin connector for hookup to FDM-402A monitor – Requires 6V DC

RVTV™ SYSTEM



RVTV™ Monitor and Camera

2 SYSTEM PACKAGES AVAILABLE

YM-X7RVAM Cable VK-318A. Water Resistant. 59ft. Monitor Sun Hood
WV-700AM. System package includes: SSM-721AMR B/W Monitor, SSC-520AM CCD
Camera.

YM-RVF7AM Cable VK-120A. 66 ft.
System package includes: SSM-721AMR B/W Monitor, SSC-520AM CCD Camera.

SSM-721AMR

- Large, easy-to-see 7" screen
- Non-glare screen to minimize reflection
- Auto-on capability in reverse gear
- Two camera inputs
- Audio capability with built-in speaker

SSC-520AM

- Hyper HAD® CCD B/W camera features excellent low-light sensitivity
- Less "blooming" distortion from the sun or headlights
- Built-in wide-angle auto iris lens (100° horizontal viewing angle)
- All-weather aluminum diecast housing
- Built-in microphone

RVTV OPTIONAL ACCESSORIES

- VK-305 Weather resistant 16 ft. cable with male - female 4 pin connectors
- VK-305A Weather resistant 16 ft. cable with male - male 4 pin connectors
- VK-310A Weather resistant 33 ft. cable with male - male 4 pin connectors
- VK-318A Weather resistant 60 ft. cable with male - male 4 pin connectors
- VK-320A Weather resistant 66 ft. cable with male - male 4 pin connectors
- WU-700AM Monitor sun hood for SSM-721AMR

B/W CCD Cameras

	SSC-M374	SSC-M370	SSC-M354	SSC-M350	SSC-M254	SSC-M256	SPT-M104A	SSC-520AMBB
PICKUP DEVICE	1/2" Hyper HAD Interline Transfer CCD	1/2" Hyper HAD Interline Transfer CCD	1/2" Hyper HAD Interline Transfer CCD	1/2" Hyper HAD Interline Transfer CCD	1/2" Hyper HAD Interline Transfer CCD	1/2" Hyper HAD Interline Transfer CCD	1/2" Hyper HAD Interline Transfer CCD	1/2" Hyper HAD Interline Transfer CCD
PIC. ELEMENTS (HxV)	768 x 494	768 x 494	510 x 492	510 x 492	510 x 492	510 x 492	510 x 492	510 X 492
LENS MOUNT	C	C	C	C	C and CS	C and CS	C and CS Adj.	built-in 3mm fl.4 auto-iris lens
SIGNAL SYSTEM/ SCANNING SYS.	EIA 525/2.1	EIA 525/2.1	EIA 525/2.1	EIA 525/2.1	EIA 525/2.1	EIA 525/2.1	EIA 525/2.1	EIA 525/2:1
SYNC SYSTEM	Internal/External	Internal/External	Internal/External	Internal/External	External	External	External	Internal
EXTERNAL SYNC	AC Line Lock	VS or Composite Sync	AC Line Lock	VS or Composite Sync	AC Line Lock	AC Line Lock	AC Line Lock	No
V-PHASE CONTROL	6-Position	No	6-Position	No	±90°	±90°	±90°	No
HORIZONTAL RESOLUTION	570 Lines	570 Lines	380 Lines	380 Lines	380 Lines	380 Lines	380 Lines	380 Lines
S/N RATIO	50 dB (AGC Off)	50 dB (AGC Off)	48 dB (AGC Off)	48 dB (AGC Off)	48 dB	48 dB	45 dB (AGC On)	45 dB (AGC On)
MIN. ILLUMINATION*	0.3 lux at f1.2	0.3 lux at f1.2	0.3 lux at f1.2	0.3 lux at f1.2	0.3 lux at f1.2	0.3 lux at f1.2	0.1 lux at f1.2	0.5 lux at f1.4
H-PHASE CONTROL	No	Yes	No	Yes	No	No	No	No
AGC	On/Off	On/Off	On/Off	On/Off	Automatic	Automatic	Automatic	Automatic
CCD IRIS	Yes 1/60 - 1/100,000 sec.	Yes 1/60 - 1/100,000 sec.	Yes 1/60 - 1/100,000 sec.	Yes 1/60 - 1/100,000 sec.	Yes 8 Step 1/60 - 1/10,000 sec.	Yes 8 Step 1/60 - 1/10,000 sec.	Yes 1/60 - 1/100,000 sec.	No
VIDEO OUTPUT	1.0Vp-p. BNC x 1	1.0Vp-p. BNC x 1	1.0Vp-p. BNC x 1	1.0Vp-p. BNC x 2	1.0Vp-p. BNC x 1	1.0Vp-p. BNC x 1	1.0Vp-p. BNC x 1	1.0Vp-p. BNC x 1 via BB442
ELECTRONIC SHUTTER	Variable, 8 Settings	Variable, 8 Settings	Variable, 8 Settings	Variable, 8 Settings	No	No	No	No
POWER REQUIREMENT	AC 24V ± 10%	DC 12V or Power Multiplex	AC 24V ± 10%	DC 12V or Power Multiplex	AC 24V ± 10%, 60 Hz	AC 120V, 60 Hz	AC 24V ± 10%, 60 Hz	DC 12V
POWER CONSUMPTION	3.9W	2.8W (DC 12V) 4.0W (YS-W130/230)	3.4W	2.3W (DC 12V) 3.4W (YS-W130/230)	4.5W	4.5W	4.5W	1.8W
WEIGHT	1 lb. 7 oz.	1 lb. 7 oz.	1 lb. 7 oz.	1 lb. 7 oz.	1 lb. 12 oz.	2 lb. 2 oz.	11 oz.	1 lb. 7 oz.
DIMENSIONS WxHxD, inch. (mm)	2 5/8" x 2 1/4" x 6 1/8" (64 x 57 x 155mm)	2 5/8" x 2 1/4" x 6 1/8" (64 x 57 x 155mm)	2 5/8" x 2 1/4" x 6 1/8" (64 x 57 x 155mm)	2 5/8" x 2 1/4" x 6 1/8" (64 x 57 x 155mm)	2 1/2" x 2 1/8" x 6" (64 x 53 x 150mm)	2 1/2" x 2 3/8" x 6" (64 x 53 x 150mm)	2 1/8" x 2" x 4 1/8" (53 x 50 x 123mm)	3 1/4" x 2 1/4" x 2 1/8" (95 x 57 x 74mm)

*Minimum Illumination: There is no standard procedure for testing minimum illumination.

SPECIFICATIONS

Color CCD Cameras

	SSC-DC34	SSC-DC30	SSC-C374	SSC-C370	SSC-S20	SSC-C354	SSC-C350	SSC-C154
PICKUP DEVICE	1/2" Hyper HAD Interline Transfer CCD	1/2" Hyper HAD Interline Transfer CCD	1/2" Hyper HAD Interline Transfer CCD	1/2" Hyper HAD Interline Transfer CCD	1/2" CCD	1/2" Interline Transfer CCD	1/2" Interline Transfer CCD	1/3" Hyper HAD Interline Transfer CCD
PIC. ELEMENTS (HxV)	768 x 494	768 x 494	768 x 494	768 x 494	768 x 494	510 x 492	510 x 492	510 x 492
LENS MOUNT	C and CS Adj.	C and CS Adj.	C	C	C	C	C	C and CS
SIGNAL SYS. / SCANNING SYSTEM	NTSC 525/2:1	NTSC 525/2:1	NTSC 525/2:1	NTSC 525/2:1	NTSC 525/2:1	NTSC 525/2:1	NTSC 525/2:1	NTSC 525/2:1
COLOR MODE	AWB/ATW	AWB/ATW	AWB/ATW	AWB/ATW	AWB/Presets	AWB/ATW	AWB/ATW	AWB/ATW
SYNC SYSTEM	Internal/External	Internal/External	Internal/External	Internal/External	Internal/External	Internal/External	Internal/External	External
EXTERNAL SYNC	AC Line Lock. 60 hz	VS, Composite and Multiplex	AC Line Lock	VS, Composite and Multiplex	Genlock	AC Line Lock	VS, Composite and Multiplex	AC Line Lock
V-PHASE CONTROL	±90°	No	6-Position	None	None	6-Position	No	±90°
H-PHASE CONTROL	No	Yes	No	Yes	Yes	No	Yes	No
HORIZONTAL RESOLUTION	470 Lines	470 Lines	470 Lines	470 Lines	460 Lines	330 Lines	330 Lines	330 Lines
S/N RATIO	48 dB (AGC Off)	48 dB (AGC Off)	48 dB (AGC Off)	48 dB (AGC Off)	46 dB	46 dB (AGC Off)	46 dB (AGC Off)	46 dB
MIN. ILLUMINATION	1.9 lux at f1.2	1.9 lux at f1.2	2.5 lux at f1.2	2.5 lux at f1.2	4 lux at f1.2	2.5 lux at f1.2 (AGC On)	2.5 lux at f1.2 (AGC On)	1.9 lux at f1.2 (AGC On)
AGC	On/Off	On/Off	On/Off	On/Off	Auto Fixed/Off	On/Off	On/Off	Automatic
CCD IRIS	Yes 1/60 - 1/100,000 sec.	Yes 1/60 - 1/100,000 sec.	Yes 1/60 - 1/100,000 sec.	Yes 1/60 - 1/100,000 sec.	No	Yes 1/60 - 1/100,000 sec.	Yes 1/60 - 1/100,000 sec.	Yes
VIDEO OUTPUT	1.0Vp-p, BNC x 1	1.0Vp-p, BNC x 1	1.0Vp-p, BNC x 1	1.0Vp-p, BNC x 1	BNC x 1	1.0Vp-p, BNC x 1	1.0Vp-p, BNC x 1	1.0Vp-p
ELECTRONIC SHUTTER	Variable, 8 Settings	Variable, 8 Settings	Variable, 8 Settings	Variable, 8 Settings	Variable	Variable, 8 Settings	Variable, 8 Settings	None
POWER REQUIREMENT	AC 24V ± 10%	DC 12V or Multiplex	AC 24V ± 10%	DC 12V or Power Multiplex	AC 24V or DC 12V	AC 24V ± 10%	DC 12V or Power Multiplex	AC 24V ± 10%
POWER CONSUMPTION	7W	5W (DC 12V) 6W (YS-W130/230)	4.0W	3.1W (DC 12V) 4.3W (YS-W130/230)	5W	2.4W (AC 24V)	2.4W (DC 12V) 3.5W (with YS-W130)	4W
WEIGHT	1 lb. 9 oz. (700 g)	1 lb. 9 oz. (700 g)	1 lb. 7 oz. (660 g)	1 lb. 7 oz. (660 g)	1 lb. 7 oz.	1 lb. 9 oz.	1 lb. 7 oz.	1 lb. 9 oz.
DIMENSIONS WxHxD, inch.(mm)	2 1/2" x 2 1/4" x 5 3/16" (64 x 57 x 150mm)	2 1/2" x 2 1/4" x 5 3/16" (64 x 57 x 150mm)	2 1/2" x 2 1/4" x 6 1/8" (64 x 51 x 155mm)	2 1/2" x 2 1/4" x 6 1/8" (64 x 57 x 155mm)	2 1/2" x 3 1/4" x 6" (64 x 82 x 153mm)	2 3/8" x 2 1/4" x 6 1/8" (64 x 57 x 155mm)	2 3/8" x 2 1/4" x 6 1/8" (64 x 57 x 155mm)	2 3/8" x 2 1/4" x 6 1/8" (64 x 57 x 155mm)

Power Adaptors

YS-W130

YS-W230

Compatible Models: SSC-M350 • SSC-C350 • SSC-M370 • SSC-C370 • SSC-DC30

VIDEO OUTPUT	Video Out (BNC x 2)	Video Out B (BNC x 4)
VIDEO INPUT	Camera In (BNC x 1)	Camera In (BNC x 4)
SYNC INPUT	Sync In (BNC x 1)	Sync in (BNC x 1)
SYNC OUTPUT	Sync Out (BNC x 1)	Sync Out (BNC x 1)
MAX. CABLE LENGTH	1000 ft. using RG-59B/U • 1500 ft. using RG-6A/U • 2000 ft. using RG-11A/U	
CABLE COMPENSATION	3-Position	4 X 3-Position
POWER REQUIREMENT	AC 120V, 50/60 Hz	AC 120V, 50/60 Hz
POWER CONSUMPTION	15W	65W
OPERATING TEMPERATURE	14°F to 104°F	14°F to 104°F
WEIGHT	4 lb. 10 oz.	9 lb. 1 oz.
DIMENSIONS WxHxD, inch. (mm)	5 ¹ / ₂ " x 3 ⁷ / ₈ " x 11 ¹ / ₄ " (140 x 85 x 283mm)	16 ³ / ₄ " x 2 ¹ / ₄ " x 13" (424 x 57 x 352mm)

Lenses

Model	Iris						Field of View			
	Number	Brand	Format	Mount	Manual	auto/type	focal length	f no.	Horizontal	Vertical
VCL-S03XM	Sony	1/2"	C		✓		3.6mm	1.6	92.6°	71.7°
VCL-S06XM	Sony	1/2"	C		✓		6.0mm	1.2	57.2°	43.7°
VCL-S12XM	Sony	1/2"	C		✓		12.0mm	1.2	29.5°	22.1°
VCL-S03XEA	Sony	1/2"	C			VIDEO	3.6mm	1.6	92.6°	71.7°
VCL-S06XEA	Sony	1/2"	C			VIDEO	6.0mm	1.2	57.2°	43.7°
VCL-S12XEA	Sony	1/2"	C			VIDEO	12.0mm	1.2	29.5°	22.1°
DF-35BSND41/1	Fujinon	1/2"	C			VIDEO	3.5mm	1.8	95.8°	75.1°
DF-6BSND41/1	Fujinon	1/2"	C			VIDEO	6.0mm	1.2	56.2°	43.6°
DF-12BSND41/1	Fujinon	1/2"	C			VIDEO	12.0mm	1.2	29.9°	22.6°
DF-28BSND41/1	Fujinon	1/2"	C			VIDEO	28.0mm	1.2	13.0°	9.8°
12PZA10X8	Tamron	1/2"	C			VIDEO	8-80mm	1.8	46.2-4.8°	34.8-3.7°
SDF-35BSND41	Fujinon	1/2"	C			VIDEO	3.5mm	1.8	95.8°	75.1°
SDF-6BSND41	Fujinon	1/2"	C			VIDEO	6.0mm	1.2	56.2°	43.6°
SDF-12BSND41	Fujinon	1/2"	C			VIDEO	12.0mm	1.2	29.9°	22.6°
C60302FQ	Cosmicar	1/2"	CS			DC	3.7mm	1.6	94.8°	72.8°
C60614FQ	Cosmicar	1/2"	CS			DC	6.0mm	1.4	58.2°	44.8°
C61212FQ	Cosmicar	1/2"	CS			DC	12.0mm	1.4	30.2°	22.6°
C-70202	Cosmicar	1/3"	CS		✓		2.8mm	1.3	94.8°	71°
C-70402	Cosmicar	1/3"	CS		✓		4.0mm	1.2	63.5°	49°
C-70802	Cosmicar	1/3"	CS		✓		8.0mm	1.2	32.5°	24.8°
C-70200PS	Cosmicar	1/3"	CS			DC	2.8mm	1.3	94.8°	71°
C-70400PS	Cosmicar	1/3"	CS			DC	4.0mm	1.2	63.5°	49°
C-70800PS	Cosmicar	1/3"	CS			DC	8.0mm	1.2	32.5°	24.8°
YF2.5A-SNDSA1/1	Fujinon	1/3"	CS			DC	2.5mm	2.0	99.9°	77.2°
YF3.5A-SNDSA3/1	Fujinon	1/3"	CS			DC	3.5mm	1.8	75.1°	57.5°
YF6A-SNDSA3/1	Fujinon	1/3"	CS			DC	6.0mm	1.2	43.6°	33.4°
YF12A-SNDSA3/1	Fujinon	1/3"	CS			DC	12.0mm	1.2	22.6°	17.1°
13PZG10X6	Tamron	1/3"	CS			DC	6 - 60mm	1.4	43.4-4.5°	32.7-3.5°

SDF series lenses have large auto-iris connector for the SSC-S20 camera

All viewing angles are for the specified format only

Refer to page 6 for camera to lens matching

SPECIFICATIONS

Intelligent Components

	YS-F100		YS-D100		YS-S100		YS-S6
VIDEO INPUT	BNC x 8. Composite Video	VIDEO INPUT	BNC x 1. 1Vp-p. 75-ohm Unbalanced. Sync Neg. NTSC Standard	VIDEO INPUT	BNC x 8. NTSC. 1Vp-p. 75-ohm Terminated. Unbalanced. Sync Neg.		BNC x 6 input, BNC x 6 Loop out. 75-ohm On/Off Switchable
VTR PLAYBACK INPUT	Composite or S-Video BNC x 1/Mini DIN x 1	REV (RECOVERY) IN	M3 Screw Type. DC 2-5V Impedance Less Than 1 Kohm	EXT VIDEO IN	BNC Type. NTSC. 1Vp-p. 75-ohm Terminated. Unbalanced. Sync. Neg.		—
VTR RECORD OUTPUT	Composite or S-Video BNC x 1/Mini DIN x 1	VIDEO OUTPUT	BNC x 1. 1Vp-p. 75-ohm Unbalanced. Sync Neg.	ALARM INPUT	8 Inputs. Normally Open. M3 Screw Type Terminal Strip		—
MONITOR OUT	BNC x 1. Composite Video	ALARM OUT	M3 Screw Type. Open Collector DC 5V/100mA Resistive Load	SPOT MON. OUTPUT	BNC Type. 75-ohm		BNC x 1. SEQ or SPOT
ALARM INPUT	8 External Alarm Inputs. TTL "L"	COMMUNICATION INTERFACE	RS-232 & RS-485	SEQ. MON OUTPUT	BNC Type. 75-ohm		BNC x 1. SEQ or SPOT
ALARM OUTPUT	TTL "L" x 1	SENSE INTERVAL TIME	0.3, 5, 15, 30 Sec. 1, 2, 4 Min. (Adjustable)	COMPUTER INTERFACE	RS-232 & RS-485		—
ALARM HOLD TIME	1 - 30 Min.	ALARM DURATION	5, 10, 20, 30 Sec. 1, 3, 5 Min. & External (Adjustable)	DWELL TIME	Independently Selectable For Each Input 1, 2, 3, 5, 10, 20, 30, 60 Sec. or External		0.5 - 30 Sec. Adjustable
AUTO SEQUENCE	1 - 30 Sec.	SENSING AREA	2 Pages. Each 288 Blocks 24H x 12V	CAMERA ID/INPUT	Up to 8 Alphanumeric Characters		—
ALARM SWITCHING TIME	1 - 30 Sec.	OPERATURE TEMPERATURE	32°F to 104°F (0°C to 40°C)	DATE/TIME GENERATOR	AM/PM and Military Time. Position Adjustable		—
POWER REQUIREMENTS	AC 120V. 60 Hz	RELATIVE HUMIDITY	30% to 80%	OPERATING TEMP.	32°F to 104°F (0°C to 40°C)		32°F to 104°F (0°C to 40°C)
POWER CONSUMPTION	Less than 18W	POWER REQUIREMENT	AC 120V. 60 Hz	POWER REQUIREMENT	AC 120V. 60 Hz		DC 9V. AC Adaptor Supplied
OPERATING TEMPERATURE	32°F to 104°F (0 to 40°C)	POWER CONSUMPTION	9.6W	POWER CONSUMPTION	19.2W		1.0W
WEIGHT	9 lb. 4 oz.	WEIGHT	8.4 lb.	WEIGHT	9.0 lb.		4 lbs. 6 oz. Excluding AC Adaptor
DIMENSIONS (WxHxD), inch excluding projecting parts (mm)	17" x 1 1/2" x 13 3/4" (430 x 44 x 350mm)	DIMENSIONS WxHxD, inch. (mm)	16 3/4" x 1 1/2" x 14" (424 x 44 x 355mm) Incl. Projecting Parts Except for Rubber Feet and Rack Mounting Bracket	DIMENSIONS WxHxD, inch. (mm)	16 3/4" x 1 1/2" x 14" (424 x 44 x 355mm) Incl. Projecting Parts Except for Rubber Feet and Rack Mounting Bracket		8 3/4" x 3 1/2" x 9 3/4" (220mm x 88mm x 246mm)

B/W Monitors

	FDM-030		SSM-930		SSM-121		SSM-171
SCREEN SIZE (diag.)	2.7'	SCREEN SIZE (diag.)	9'		12'		17'
TV SYSTEM	EIA/CCIR	TV SYSTEM	EIA		EIA		EIA
HORIZONTAL RESOLUTION	320 Lines	HORIZONTAL RESOLUTION	750 Lines		750 Lines		850 Lines
VIDEO INPUT	Composite Video (BNC x 1)	VIDEO INPUT	Composite Video (BNC x 1)		Composite Video A & B (BNC x 2)		Composite Video A & B (BNC x 2)
VIDEO OUTPUT	None	VIDEO OUTPUT	Composite Video (BNC x 1)		Composite Video (BNC x 2)		Composite Video (BNC x 2)
AUDIO INPUT	Mini-jack	DC CLAMP	On/Off Selectable		No		On/Off Selectable
AUDIO OUTPUT	None	POWER REQUIREMENT	AC 120V, 60 Hz		AC 120V, 60 Hz		AC 120 to 220V, 50/60 Hz
POWER REQUIREMENT	DC 6V	POWER CONSUMPTION	27W		30W		35W
POWER CONSUMPTION	2W	WEIGHT	13 lb. (5.8 kg)		21 lb. 5 oz.		38 lb. 9 oz.
WEIGHT	14 oz.	DIMENSIONS					
DIMENSIONS WxHxD, inch. (mm)	3' x 6' x 1 ¹⁵ / ₁₆ " (76 x 154 x 48mm)	WxHxD, inch. (mm)	8 ⁵ / ₁₆ " x 8 ³ / ₄ " x 9 ³ / ₄ " (219 x 220 x 246mm)		11 ³ / ₄ " x 12" x 11 ³ / ₄ " (296 x 303 x 296mm)		16 ³ / ₄ " x 16 ¹ / ₈ " x 15" (424 x 409 x 380mm)

SPECIFICATIONS

Color Monitors

	PVM-8040	PVM-8041Q	SSM-1380	PVM-1350
SCREEN SIZE (diag.)	8"	8"	13"	13"
TV SYSTEM/ COLOR STANDARD	EIA NTSC	NTSC/PAL SECAM/NTSC-4:3	EIA NTSC	EIA NTSC
HORIZONTAL RESOLUTION	250 Lines	250 Lines	250 Lines	450 Lines
VIDEO INPUT	BNC x 1. Composite Video 4-Pin Mini DIN x 1 S-Video	BNC x 2. Composite Video 4-Pin Mini DIN x 1 S-Video BNC x 3. RGB/Component	Composite x 2 (BNC) Loop-through or 75-ohm Termination	Composite x 2 (BNC) Loop- through or 75-ohm auto Termination Y/C Input x 1, RGB Analog BNC x 4
VIDEO OUTPUT	BNC x 1. Composite Video 4-Pin Mini DIN x 1 S-Video	BNC x 2. Composite 4-Pin Mini DIN x 1	Composite x 2 (BNC)	Composite x 2 (BNC)
EXTERNAL SYNC	No	Yes	None	None
AUDIO INPUT	Phono x 1	Phono x 3	Phono x 2	Phono x 2
AUDIO OUTPUT	Phono x 1	Phono x 2. Line A & B	Phono x 2	Phono x 2
BUILT-IN SPEAKER	Yes	Yes	Yes	Yes
SPEAKER TERM.	None	None	None	None
POWER REQUIREMENT	AC 120V. 50/60 Hz	DC 12V. AC 120V 50/60 Hz	AC 120V. 50/60 Hz	AC 120V, 50/60 Hz
POWER CONSUMPTION	40W	40W	80W	99W
WEIGHT	16 lb. 8 oz.	16 lb. 9.5 oz. (7.5Kg)	25 lb. 6 oz.	36 lb. 6 oz.
DIMENSIONS WxHxD, inch. (mm)	8 ¹ / ₂ " x 8 ¹ / ₂ " x 13 ³ / ₄ " (216 x 217 x 351mm)	8 ⁵ / ₈ " x 8 ⁵ / ₈ " x 14" (217 x 217 x 352.5mm)	15" x 14 ⁵ / ₈ " x 16 ³ / ₄ " (366 x 357 x 409mm)	13 ³ / ₈ " x 13 ⁵ / ₈ " x 16 ¹ / ₄ " (340 x 346 x 412mm)

Color Monitors

	PVM-1354Q	PVM-2030/BS	CKV-20DST1/5	CKV-20HX1/5	PVM-2950Q
SCREEN SIZE (diag.)	13"	20"	20"	20"	29"
TV SYSTEM/ COLOR STANDARD	NTSC/PAL/SECAM/ NTSC ^{4 43}	EIA NTSC	EIA NTSC	EIA NTSC	NTSC/PAL/SECAM/ NTSC ^{4 43}
HORIZONTAL RESOLUTION	600 Lines	560 Lines	—	—	600 Lines
VIDEO INPUT	BNC x 2, Composite Video 4-Pin Mini DIN x 1 S-Video BNC x 3, RGB/Component	BNC x 2, Composite Video 4-Pin Mini DIN x 1, (S-Video)	BNC x 1, Composite Video	BNC x 1, Composite Video VTR 8-pin x 1 S-Video (4-Mini DIN) x 1	BNC x 2, Composite Video 4-Pin Mini DIN x 2 S-Video BNC x 3, RGB/Component
VIDEO OUTPUT	BNC x 2 Composite 4-pin Mini Din x 1 BNC x 3, RGB/Component	BNC x 2, (Composite Video)	BNC x 1, (Composite Video)	—	BNC x 2 Composite 4-pin Mini Din x 2
EXTERNAL SYNC	Yes	None	None	None	Yes
AUDIO INPUT	Phono x 4	3 Stereo Inputs Phono x 4, (Line A/B) Phono x 2, (S-Video)	Phono x 1	—	Stereo Phono x 3
AUDIO OUTPUT	Phono x 4	2 Stereo Outputs Phono x 4, (Line A/B)	Phono x 1, 500mVrms (100% Modulation) Imp. 47 Kohms	—	Stereo Phono x 2
BUILT-IN SPEAKER	Yes	None	Yes	Yes	No
SPEAKER TERM.	None	8 ohm, 7W + 7W	None	None	8-16 Ohms, 7W + 7W
POWER REQUIREMENT	AC 120V, 50/60Hz	AC 120V, 50/60Hz	AC 120V, 60Hz	AC 120V, 60Hz	AC 120V, 50/60Hz
POWER CONSUMPTION	90W	150W Max.	115W	120W	165W typical, 180W (max)
WEIGHT	36 lb. 13.1 oz. (16.7kg)	67.4 lb. (30.5 kg)	49 lb. 6 oz. (22.4 kg)	52.9 lb. (24 kg)	114 lb. 10 oz. (52 kg)
DIMENSIONS WxHxD, inch. (mm)	13 ^{5/8} " x 13 ^{1/2} " x 16 ^{1/4} " (346 x 340 x 411.5mm)	20 ^{3/8} " x 16 ^{1/2} " x 19" (516 x 409 x 481mm)	20 ^{3/4} " x 19 ^{1/2} " x 16 ^{1/8} " (526 x 488 x 408mm)	21 ^{3/4} " x 18 ^{3/8} " x 18 ^{5/8} " (550 x 464.7 x 471.3mm)	27 ^{1/8} " x 21 ^{1/4} " x 20 ^{7/8} " (687 x 538 x 529mm)

SPECIFICATIONS

Time Lapse VCRs

	SVT-5000	SVT-3000	SVT-100	SVO-1450	EVT-820	EVT-801
TAPE FORMAT	VHS	VHS	VHS	VHS	8mm	8mm
RECORDING SYSTEM	Rotary 4-Head Helical Scanning System	Rotary 4-Head Helical Scanning System	Rotary 4-Head Helical Scanning System	Rotary 4-Head Helical Scanning System	Rotary 2-Head Helical Scan, Still-Frame Recording System	Rotary 2-Head Helical Scan, Still-Frame Recording System
VIDEO SIGNAL	EIA/NTSC	EIA/NTSC	EIA NTSC	EIA NTSC	EIA/NTSC	EIA
VIDEO INPUT	Composite, BNC x 1	Composite, BNC x 1	Composite, BNC x 1	Composite, BNC x 1	Composite, BNC x 1	Composite, BNC x 1
VIDEO OUTPUT	Composite, BNC x 1	Composite, BNC x 1	Composite, BNC x 1	Composite, BNC x 1	Composite, BNC x 1	Composite, BNC x 1
RECORDING MODES	2-960 Hrs. + 1 shot	2-168 Hrs.	2, 12, 24 Hrs.	SP/EP (2/6 Hr)	12-760 Hrs.	12-384 Hrs.
RECORD INTERVAL (Approx.)	1/60 - 8 Secs.	1/60 - 1.4 Secs	1/60 - 0.2 Secs	30 frames/sec. (real time only)	0.25-16 Secs.	0.25-8 Secs.
MIC INPUT	Mini-jack, High impedance -60dBs	Mini-jack, High impedance -60dBs	Mini-jack High Impedance - 60 dBs	Line input only	—	—
AUDIO RECORDING	2, 12, 24 Hour Mode	2, 12, 24 Hour Mode	2, 12, 24 Hour Mode	SP/EP (2/6 Hr)	—	—
HORIZONTAL RESOLUTION	350 Lines (B/W) 250 Lines (Color)	300 Lines (B/W) 240 Lines (Color)	300 Lines (B/W) 240 Lines (Color)	Over 220 Lines	380 Lines (B/W) 250 Lines (Color)	380 Lines
VERTICAL RESOLUTION	240 Lines	240 Lines	240 Lines	—	480 Lines	480 Lines
S/N RATIO	42 dB	43 dB	42 dB	42 dB (SP)	45 dB	45 dB
TIME/DATE	Yes	Yes	Yes	No	Yes	Yes
BUILT-IN TIMER	7-Day/7-Event	7 day/7-Event	7-Day/7-Event	No	7-Day/21-Event	No
ALARM REC. SPEED	2 Hr./Program/ No change	2, 12 Hrs. or No change	2 Hr. Mode	—	12 Hr. Mode	12 Hr. Mode
ALARM SEARCH	Yes	No	No	—	Yes	No
ALARM SCAN	Yes	Yes	Yes	—	—	—
ALARM LOG	Yes	Yes	Yes	—	Yes	No
POWER REQUIREMENT	AC 120V, 60 Hz	AC 120V, 60 Hz	AC 120V, 60Hz	AC 120V, 60 Hz	AC 120V, 60 Hz	AC 120V, 60 Hz
POWER CONSUMPTION	18W	18W	18W	19W	25W	25W
WEIGHT	12 lb. 13 oz. (5.8 kg)	12 lb. 13 oz. (5.8 kg)	12 lb. 13 oz. (Approx 5.8 kg)	11 lb. 40 oz. (5.1 kg)	14 lb.	14 lb.
DIMENSIONS						
WxHxD, inch.	16 ¹ / ₂ " x 4" x 14 ³ / ₈ "	16 ⁵ / ₈ " x 4" x 13 ¹ / ₂ "	15 ⁵ / ₈ " x 4" x 13 ¹ / ₂ "	17" x 3 ⁵ / ₈ " x 14 ¹ / ₂ "	14" x 3 ¹ / ₄ " x 13 ⁷ / ₈ "	14" x 3 ¹ / ₄ " x 13 ⁷ / ₈ "
(mm)	(420 x 100 x 340mm)	(420 x 100 x 340mm)	(420 x 100 x 340mm)	(430 x 91 x 368mm)	(355 x 86 x 340mm)	(355 x 86 x 340mm)

Time Lapse VCRs

	EVO-220	PGV-220
VIDEO RECORDING SYSTEM	Rotary 2-Head Helical Scanning FM System	—
AUDIO RECORDING SYSTEM	Rotary Head, FM Stereo System	—
COLOR SYSTEM	EIA/NTSC	—
RECORDING TIME	SP Mode: 2 Hrs. 30 Min. LP Mode: 5 Hrs. (w/Sony P6-150)	—
PLAYBACK TIME	SP Mode: 2 Hrs. 30 Min. LP Mode: 5 Hrs. (w/Sony P6-150)	—
F. FWD/REW. TIME	Approx. 8 Min. (with Sony P6-120 cassette)	—
VIDEO INPUT	1.0Vp-p, Sync Neg. 75-ohm Unbalanced	Phono x1 1.0Vp-p, Sync Neg. 75-ohm Unbalanced
VIDEO OUTPUT	1.0Vp-p, Sync Neg. 75-ohm Unbalanced	—
AUDIO INPUT	-7.5 dBs	Phono x2, -7.5 dBs (Line) / -60 dB (Mic) Selectable (0 dBs = 0.775 Vrms)
AUDIO OUTPUT	-7.5 dBs	—
ALARM INPUT	—	Mini-jack (1) Contact Closure: Active Short
POWER REQUIREMENTS	6.0V (Battery Pack) 6.5V (DC Pack DCP-77) 7.5V (AC Power Adaptor AC-S10)	DC 6.0V Supplied from the EVO-220
POWER CONSUMPTION	3.8W	1.0W
OPERATING TEMPERATURE	0°C to 40°C (32°F to 104°F)	0°C to 40°C (32°F to 104°F)
SUPPLIED ACCESSORIES	DCP-77 Car Battery Adaptor	Lithium Battery CR 2032 (1) Operation Manual
WEIGHT	Approx. 1 lb. 8 oz. (670 g) without Battery	Approx. 4 oz. (125 g)
DIMENSIONS		
WxHxD, inch.	5 ⁷ / ₈ " x 2 ¹ / ₂ " x 5 ⁷ / ₈ "	1 ³ / ₈ " x 2 ⁵ / ₈ " x 4 ⁷ / ₈ "
(mm)	(147.5 x 61.5 x 129.5mm)	(34.5 x 64.5 x 121.5mm)

SPECIFICATIONS

Video Printers

	UP-880	UP-910	UP-930	UP-1200
THERMAL HEAD	1024 Dot Drive	768 Dot Drive	1280 Dot Drive x 2	512 Elements
EFFECTIVE PIXELS (EIA)	Standard Print Mode*			
NORMAL	472 Lines x 922 Dots	472 Lines x 700 Dots		
WIDE 1	490 Lines x 970 Dots	490 Lines x 736 Dots	478 Lines x 1216 Dots (NTSC)	Max 772 (H) x 488 (V) (Full Size Print, Wide Mode)
WIDE 2	508 Lines x 1024 Dots	508 Lines x 768 Dots		
GRADATIONS	256 Gray Levels	128 Gray Levels	128 Gray Levels	256 Level Process
PRINT SIZE (ASPECT 4:3)	Standard Print Mode*			
NORMAL	69 x 90mm	182 x 140mm	190 x 141mm	109.3 x 80mm
WIDE 1	72 x 95mm	192 x 146mm		111.2 x 84.3mm
WIDE 2	74 x 100mm	200 x 150mm		119.2 x 87.1mm
VIDEO INPUT	Composite Video, BNC x 1	Composite Video, BNC x 1	Composite Video, BNC x 1 RGB (DSUB, 15 PIN x 1)	Composite Video or S-Video BNC x 1/Mini DIN x 1
VIDEO OUTPUT	BNC x 1 Loop-through EE Switch	BNC x 1 Loop-through	Composite BNC x 1 RGB (DSUB, 15 PIN x 1)	Composite Video or S-Video BNC x 1/Mini DIN x 1
SCAN SYSTEM	EIA or CCIR (Auto Select)	EIA OR CCIR (Auto Select)	Approx. 15 - 50 KHZ	NTSC
REMOTE PRINT	Stereo Mini-jack	Stereo Mini-jack	Stereo Mini-jack	Stereo Mini-jack
PRINT SPEED	Standard Mode 4.0 sec Side Mode 7.0 sec	Approx. 25 Seconds/Screen	Approx. 20 Seconds/Screen	60 Secs.
POWER REQUIREMENT	AC 120V, 50/60 Hz	AC 120V, 50/60 Hz	AC 120V, 50/60 Hz	AC 120V, 50/60 Hz
POWER CONSUMPTION	1.6 A	2.5 A	3.5A	130W Max.
WEIGHT	8 lb. 2 oz. (3.7kg)	25 lb. 6 oz. (9.1kg)	23 lb. (10.5kg)	18 lb. 12 oz. (8.5kg)
DIMENSIONS				
WxHxD, inch.	6 ⁷ / ₈ " x 4 ¹ / ₄ " x 11 ⁷ / ₈ "	16 ³ / ₄ " x 5 ¹ / ₈ " x 15"	16 ³ / ₄ " x 5 ¹ / ₈ " x 15"	16 ¹ / ₁₆ " x 3 ⁹ / ₁₆ " x 16 ¹ / ₄ "
(mm)	(154 x 106 x 303mm)	(424 x 130 x 380mm)	(424 x 130 x 380mm)	(424 x 91 x 413mm)
PRINTER PAPER				
STANDARD	UPP-110S/3	UPP-216SE	UPP-216SE	UPC-1010 Color
HIGH DENSITY	UPP-110HD UPP-110HA	UPP-216HD	UPP-216HD	UPC-1020 B/W

*The UP-880 is capable of side printing. On either standard or side printing, it is possible to choose 1.5 or 2 times zoom, as well as small and large modes.

HVM-352

PICKUP DEVICE	1/2" Interline Transfer CCD x 1
PIC. ELEMENTS (HxV)	510 x 492
BUILT-IN AUTO-IRIS LENS	11mm f1.8
LENS ADAPTOR MOUNT	Mini Bayonet Mount (Back Focus Adj.)
SIGNAL SYSTEM/ SCANNING SYSTEM	EIA 525/2.1
SYNC SYSTEM	Internal
HORIZONTAL RESOLUTION	380 Lines
MINIMUM ILLUMINATION	0.7 lux at f1.8
VIDEO OUT	via 4-pin
AUDIO OUT	via 4-pin
POWER REQUIREMENT	DC 6 to 12V
POWER CONSUMPTION	0.2A (1.2 to 2.4W)
WEIGHT	7.8 oz. (220 g)
DIMENSIONS WxHxD, inch. (mm)	2 1/8" x 1 5/16" x 4" (52 x 32 x 98.7mm)

FDM-402A

SCREEN SIZE (diag.)	4.0"
PICTURE TUBE	Flat Type
TV SYSTEM	EIA
HORIZONTAL RESOLUTION	400 Lines
VIDEO INPUT	via 4-pin
VIDEO OUTPUT	A/V Uniconnector
AUDIO INPUT	via 4-pin
AUDIO OUTPUT	A/V Uniconnector
POWER REQUIREMENT	DC 6V
POWER CONSUMPTION	3.3W
WEIGHT	1 lb. 9 oz.
DIMENSIONS WxHxD, inch. (mm)	4 3/8" x 8 3/8" x 1 3/16" (110 x 210 x 48mm)

Sony Mini-Bayonet Mount Wide Angle Lens Adaptor — for HVM-352

MODEL NO.	VCL-06HS	VCL-04HS	VCL-06PH pinhole	Built-in 11mm auto-iris
FOCAL LENGTH	5.5mm	3.6mm	5.9mm	—
F-STOP	f1.84	f1.85	—	f1.8
FIELD OF VIEW HORIZONTAL	60.0°	83.0	56.5°	32.0°
FIELD OF VIEW VERTICAL	45°	62	44°	24°

SPECIFICATIONS

RVTV™ System

	RVTV™ MONITOR/ SSM-721AMR		RVTV™ CAMERA/ SSC-520AM
VIDEO SIGNAL SYSTEM	EIA	PICKUP DEVICE	1/2" Interline Transfer Hyper HAD [®] CCD
PICTURE TUBE	7" B/W	PICTURE ELEMENTS (HXV)	510 x 492
RESOLUTION	650 Lines	LENS	3.0mm f/1.4 Fixed Focus Auto Iris
POWER CONNECTOR	DC 12V/24V	SIGNAL SYSTEM	EIA
SPEAKER INCH (mm)	1 ³ / ₄ " x 2 ⁵ / ₈ " (42 x 66mm)	SCANNING SYSTEM	525 Lines 2:1 Interface
INPUT CONNECTOR	4-Pin Multi- Connector x 2	SYNC SYSTEM	Internal
AUDIO OUTPUT	Phono Mini-jack (8-ohms)	HORIZONTAL RESOLUTION	380 Lines
POWER REQUIREMENT	DC 12V/24V	VERTICAL RESOLUTION	350 Lines
POWER CONSUMPTION	23W Max.	MINIMUM ILLUMINATION	0.5 lux
OPERATING TEMPERATURE	5°F to 140°F (-15°C to 60°C)	S/N RATIO	45 dB
WEIGHT	5 lb. 14 oz. (2.5 kg)	POWER REQUIREMENT	12V, DC 4-Pin Multi-Connector
		POWER CONSUMPTION	1.8W
		OPERATING TEMPERATURE	-4°F to 158° F (-20°C to 70°C)
		VIEWING ANGLE	100° Horizontal 80° Vertical
		WEIGHT	1.7 lb. (650 g)



	Suggested List Price		Suggested List Price		Suggested List Price
12PZA10X8	637.00	PVM-2030/BS	1,430.00	SVO-1450	440.00
13PZG10X6	665.00	PVM-2950Q	1,950.00	SVT-100	1,150.00
9000-HC	73.00	PVM-8040	895.00	SVT-3000	1,500.00
9000-HP	69.00	PVM-8041Q	1,060.00	SVT-5000	1,943.00
9000-HW	69.00	RFU-89UCKA	50.00	T-120PM	12.99
AC-40U	50.00	RKG-136HG	5.49	UP-1200	1,850.00
AC-D468	49.99	RKSVO-30	80.00	UP-880	TBA*
AC-D4L	19.99	RM-91	25.00	UP-910	2,495.00
AC-S10	160.00	RMM-171	49.00	UP-930	6,263.00
AC-V55	206.00	RM-V200	121.00	UPC-1010	425.00
AP-10	45.00	SDF-12BSND41	246.00	UPC-1020	350.00
AP-110	64.00	SDF-35BSND41	267.00	UPP-110HA	TBA*
BB-442	30.00	SDF-6BSND41	246.00	UPP-110HD	23.00
BC-1WD	580.00	SLR-102	174.00	UPP-110S/3	14.00
BP-900	28.00	SLR-800	100.00	UPP-216HD	40.30
C-60302FQ	210.00	SMB-121	100.00	UPP-216SE	25.50
C-60614FQ	101.00	SMB-5000	110.00	VC-3	26.00
C-61212FQ	165.00	SMF-3005	145.00	VC-4	70.00
C-70200PS	270.00	SPT-M104A	350.00	VCL-04HS	95.00
C-70202	151.00	SS-X6A	120.00	VCL-06HS	60.00
C-70400PS	120.00	SSC-520AM	949.00	VCL-06PH	279.00
C-70402	92.00	SSC-520AM/BB	980.00	VCL-S03XEA	320.00
C-70800PS	110.00	SSC-C154	875.00	VCL-S03XM	160.00
C-70802	80.00	SSC-C350	979.00	VCL-S06XEA	305.00
CA-2	50.00	SSC-C354	950.00	VCL-S06XM	99.00
CB-101	26.00	SSC-C370	1,185.00	VCL-S12XEA	289.00
CKV-20DST1/5	525.00	SSC-C374	1,185.00	VCL-S12XM	90.00
CKV-20HX1/5	685.00	SSC-DC30	1,300.00	VK-025A	23.00
DC-S10	150.00	SSC-DC34	1,300.00	VK-110	38.00
DCC-120A	36.50	SSC-M254	400.00	VK-1100BC	204.00
DCC-16AW	13.00	SSC-M256	400.00	VK-110A	34.00
DCP-77	84.00	SSC-M350	550.00	VK-120A	53.50
DF-12BSND41/1	242.00	SSC-M354	550.00	VK-1PG	8.00
DF-28BSND41/1	242.00	SSC-M370	780.00	VK-220/5	141.00
DF-35BSND41/1	267.00	SSC-M374	780.00	VK-305	50.00
DF-6BSND41/1	246.00	SSC-S20	1,350.00	VK-305A	50.00
EVO-220	1,000.00	SSM-121	1,418.00	VK-30C	33.00
EVT-801	1,700.00	SSM-1380	375.00	VK-30D	33.00
EVT-820	2,050.00	SSM-171	425.00	VK-310A	70.00
FDL-X40	755.00	SSM-721AMR	349.00	VK-318A	120.00
FDM-030	288.00	SSM-930	200.00	VK-320A	125.00
FDM-402A	299.00	SVL-12C	316.00	VMC-612MS	13.00
FS-20	28.00	SVL-18B	384.00	WM-12	84.00
HVM-352	599.00	SVL-18C	360.00	WM-18V	84.00
MB-502B	189.00	SVL-9100	168.00	WPC-140	210.00
MB-507	217.00	SVL12F-115	90.00	WU-520AM	20.00
MB-509	79.00	SVL12F-24	94.00	WU-700AM	35.00
MB-800	90.00	SVL12H-115	74.00	YF12A-SNDSA3/1	191.00
MB-900	130.00	SVL12H-24	90.00	YF2.5A-SNDSA1/1	226.00
MDR-E515	10.49	SVL91H-115	62.00	YF3.5A-SNDSA3/1	205.00
NP-1B	125.00	SVL91H-24	83.00	YF6A-SNDSA3/A	191.00
NP-68	40.00	SVL9F-115	65.00	YM-RVF7AM	1,000.00
NP-80	80.00	SVL9F-24	79.00	YM-X7RVAM	1,200.00
NP-80D	99.00	SVLF18-115	84.00	YS-D100	1,155.00
P6-120MPB//A	9.99	SVLF18-24	84.00	YS-F100	2,750.00
P6-150MPB	11.99	SVLH18-115	72.00	YS-S100	1,155.00
PGV-220	450.00	SVLH18-24	79.00	YS-S6	250.00
PM-3	87.00	SVLM-12B	141.00	YS-W130	320.00
PM-3T	129.00	SVLM-12W	141.00	YS-W230	998.00
PVM-1350	950.00	SVLM-6B	130.00	Zbox-1	1,450.00
PVM-1354Q	1,390.00	SVLM-6W	130.00		

*To be announced. Product and pricing available February, 1995.

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