JVC
PROFESSIONAL **SW-D7000U color duplex multiplexers.**

The SW-D7000U duplex multiplexer is designed as a color video record and playback system. This unit allows the simultaneous recording of multiple camera inputs on a security recording device. Live video inputs and recorded video when played-back can also be viewed in several different multi-screen configurations.

The units contain dual digital video processors so that multiplexed recording can always take place, even during Live mode multi-screen displays or during playback of previously recorded multiplexed signals.
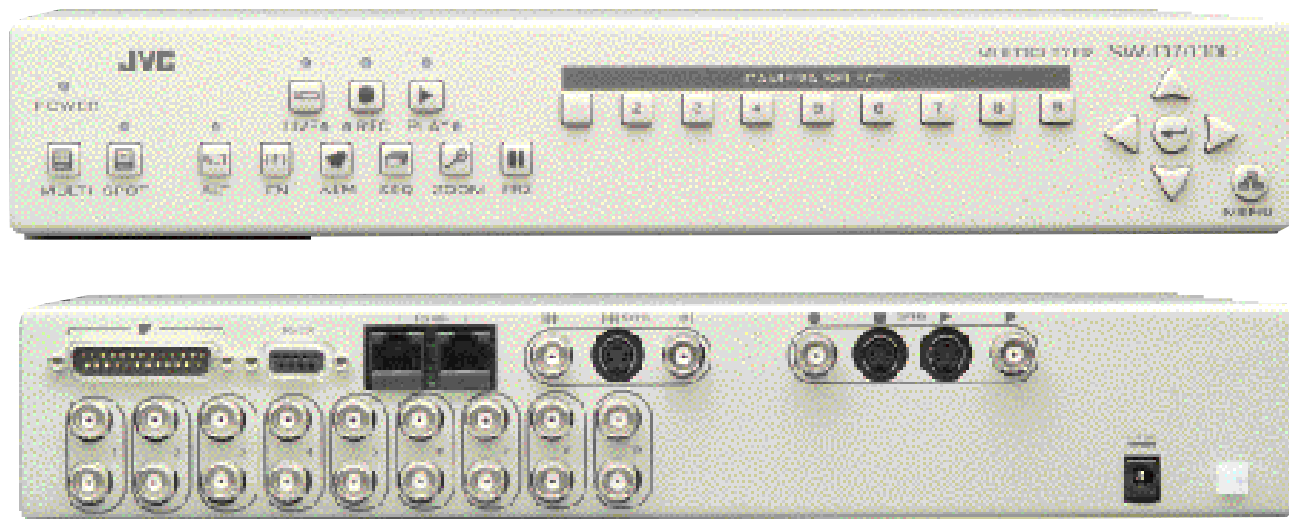
The SW-D7000U is a single integrated unit, housed in a 19" rack-mountable enclosure. The front panel contains all operator control keys and indications, while the looping video inputs, the video outputs, the alarm inputs and outputs, and the remote control connectors are housed on the rear panel. It has DC 12V power and is supplied with an external AC power supply.

The SW-D7000U has two monitor outputs, designated Monitor-A and Monitor-B.
• Monitor-A is used for multi-screen, digital images that can be frozen and zoomed.
• Monitor-B is a full-screen, Live, analog output. Monitor-B is sometimes referred to as a 'spot' monitor in the security industry.

The SW-D7000U includes many advanced features:

• Easy setup and programming using modern style on-screen menus
• Menu adjustable camera AGC (automatic gain control)
• High quality color definition - CCIR 601 4:2:2 YUV
• S-VHS to Monitor-A
• Automatic video input termination
• VEXT VCR clock input for automatic synchronization to VCR speeds
• Activity/Motion detection
• Multiple Alarm inputs and outputs
• Motion Detection Sensitivity Scope for simplified set-up
• "Covert" Camera setting
• Conditional Live Display
• AutoList® simplified sequence programming
• 2X digital zoom and digital pan & tilt - Live & Playback
• Alarm history log
• Operator programmable macro function keys
• A scheduler to automatically start macros at preset times, days or dates
• A simple Summer/Winter time change function
• Remote programming (upload and download)
• Remote control using optional keyboard or PC
• Optional Pan Tilt and Zoom controls
• Ability to decode tapes recorded on multiplexers manufactured by Dedicated Micros and Robot, allowing existing DM and Robot sites to upgrade to the advanced features of the SW-D7000U multiplexers

TECHNICAL SPECIFICATIONS:

Video

Outputs:
Three (3) BNC connectors, EIA/CCIR compatible video outputs.
· One MON-Amulti-screen output.
· One MON-B analog switching output.
· One VCR output.

Inputs:
Cameras: Nine (9) looping BNC connectors, EIA/CCIR compatible, auto terminating.
Color camera inputs accepted
VCR Inputs: One (1), EIA/CCIR compatible.
· One BNC
· Signal Conditioning: Input AGC, 0.7 to 2.0V p-p composite video inputs accepted
Termination: Automatic, 75W, or Hi-Z if looped
Display memory: 1024 X 1024 memory array, 8 Mb total display memory
Resolution: 720 pixels, Horizontal, 484 active lines Vertical (576 CCIR)
Grey Scale: 256 levels

Alarm Handling:
Alarm inputs: 9. Programmable NO or NC in menus.
Alarm outputs: Two (2), form C relays, each NO and NC. Rated 0.5A continuous, 1.0 A momentary.
Alarm latching: Three (3) settings: Latched; Transparent; Timed-out, programmable 1 - 100 seconds
Alarm recording: Automatic priority control, interleaved or exclusive, or none, programmable.
Alarm Displays: Automatic full-screen

Controls and Indicators:
• **RECORD:** Selects record mode. On duplex model, always in record mode. This key inactive.
Indicator: RECORD mode, LED.
• **PLAY:** Selects playback mode for decoding tapes.
• **LIVE:** Selects LIVE mode
• **SEQUENCE:** Starts or stops sequencing. Operates on multi-screen displays and full-screen displays. Selectable dwell and Autolists, on-screen indicator
• **MACRO FUNCTION:** {F} Starts execution of a pre-recorded key sequence. Nine macros can be recorded by the user.
• **ALARM:** Used to accept active alarms
• **ALARM INDICATORS:** LED flashes on any active alarm; plus buzzer
• **FREEZE:** Freezes any display in LIVE or PLAY mode.
• **ZOOM:** Zooms 2x, fully interlaced, on full-screen displays
• **PAN & TILT:** Arrow keys provide digital pan & tilt on zoomed images.

• **MULTISCREEN:** Selects multi-screen displays in LIVE or PLAY mode. Toggles through list of multi-screens.
• **1 - 9** Selects corresponding camera, full-screen
• **ARROWS:** Used in menus, and Pan & Tilt.
• **MENU SETUP:** Enters and exits menu screens for programming of unit. Password protected.
• **ENTER:** Selects menu items when programming. Starts active cameo mode, LED lit in active cameo mode
• **TIME and DATE:** Displays time and date in selectable formats plus Summer/Winter time change function.

Video Indicators:
Alarms, video loss, Record speed, Playback.

Titles: 12 characters, plus camera number, display can be turned off.
VCR View: The VCR can be selected as an input to aid VCR setup, using {F} key.

Motion Detection:
Zones per camera: 256, 16 x 16 grid
Sensitivity settings: 10 levels
Grey levels per zone: 256 levels
Recording Priority: 2x, 4x, interleaved, or none
Status Output: RS-232 status. Relays, link to alarms

Remote Control and Programming:
RS-232: D-sub9, female. 3-wire, N-8-1. 9600 baud. Allows remote programming of menus, upload of status data, remote control of front panel buttons
RS-485: 6-pin RJ-45, remote keyboard input, looping, up to 1000m (3,200') without conditioning.

Physical:
Dimensions: 14.2 X 13.8 X 2.6 (360W X 355D X 65H)
Weight: 9.3 lbs. (4.2 kg) nominal
Finish Paint: Light gray powder coat

Environmental:
Temperature: 0 to 40 °C, operating.
Relative Humidity: 90%, non-condensing

Electrical:
Input Voltage: DC 12V, 240 or 110Vac to DC 12V adapter included.
Power: 40 W nominal

MODEL NUMBERS / OPTIONS:
SW-D7000U 9 channel color Duplex
Remote Keyboard: Optional motorized PTZ control capabilities.

Note: All specifications are subject to change without notice. JVC believes that all specifications are correct, however no liability is assumed for omissions or errors whatsoever.

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