

TIME LAPSE VIDEO CASSETTE RECORDER

PRODUCT SPECIFICATION

Model Name : **SR40CTCN-A**

FCC ID: BGB485

RS-485 Interface

The protocol is included in the installation manual. The interface is a standard of RS-485.

**mitsubishi electric corporation
kyoto works**

1. SPECIFICATION

- 1.1 Tape format : VHS 1/2" width high-density video cassette tape.
- 1.2 Input voltage range : AC100-230V 50/60Hz.
- 1.3 Power consumption : Approx. 18 Watts.
- 1.4 Television system : 525 lines, 60 fields NTSC-type color system.
- 1.5 Video recording system : 2 rotary heads, azimuth helical scanning system.
- 1.6 Luminance signal : Frequency modulation recording.
- 1.7 Color signal : Low frequency conversion, sub-carrier phase-shift recording.
- 1.8 Audio track : 1 track
- 1.9 Tape speed and recording time : (with T-160 cassette)

Mode	Time	Speed	Recording interval	Number of Fields	Drive
(2H)	(2.6 hrs)	(33.35mm/sec)	(16.68ms/Field)	(60 Fields/sec)	(Continuous)
8H	8 hrs	11.12mm/sec	16.68ms/Field	60 Fields/sec	Continuous
L24H	24 hrs	3.71mm/sec	50.04ms/Field	20 Fields/sec	Time lapse
L40H	40 hrs	2.22mm/sec	83.40ms/Field	12 Fields/sec	Time lapse

() is for Playback only.

- 1.10 Fast forward/Rewinding time : Approx. 90sec. with T-120 cassette.
- 1.11 Heads
- (1) Video : 4 rotary heads.
 - (2) Audio/Control : 1 stationary head.
 - (3) Erase : 1 full-track head.
- 1.12 Motors : 3 motors-(drum/capstan/loading) direct drive.
- 1.13 Video input : 1.0V(p-p),75ohm unbalanced BNC plug.
- 1.14 Audio input : 308mV(rms),50Kohm unbalanced RCA plug.
- 1.15 Video output : 1.0V(p-p),75ohm unbalanced BNC plug.
- 1.16 Audio output : 388mV(rms),1Kohm unbalanced RCA plug.
- 1.17 Audio frequency response : 70Hz ~ 4000Hz(8H Mode).
- 1.18 Signal to Noise Ratio
- (1) Video : better than 42 dB (8H Mode).
 - (2) Audio : better than 43 dB (8H Mode).
- 1.19 Horizontal Resolution
- (1) Black & White : More than 330 lines.
 - (2) Color : More than 240 lines.

- 1.20 Alarm Recording Time
- (1) Timed : 15sec /30sec /45sec /1min. /2min. /5min. /10min.
 - (2) Manual : MAN1 Until the alarm reset switch is switched on.
MAN2 Until the alarm in switch is switched off.
- 1.21 Display format : (Month)-(Day)-(Year) (Day of week)
(Hour):(Minute):(Second) (Recording mode)
or (Month)-(Day)-(Year) (Hour):(Minute):(Second).
- 1.22 Display position : In any position.
- 1.23 Timer program : 8 programs-Daily start and stop time for one week.
- 1.24 Battery Backup : Last for more than 31 days (when full charged).
- 1.25 Elapsed Time Indicator : The maximum of 89,999 hours.

2. CONNECTORS

- 2.1 ALM Input : Screw terminal for starting alarm recording.
ACTIVE; When terminals are short-circuited or "L" level.
- 2.2 RST Input : Screw terminal for finishing alarm recording or for adjusting on-screen clock.
ACTIVE; When terminals are short-circuited or "L" level.
- 2.3 REC Input : Screw terminal for starting/finishing recording or series recording.
ACTIVE; When terminals are short-circuited or "L" level.
- 2.4 GND : Screw terminal for ground.
- 2.5 ALM output : Screw terminal for output while alarm recording is under way.
ACTIVE; "L" Level, max. Current 50mA (+5VDC)/10mA(+24VDC)
NON ACTIVE; OPEN, max. Voltage +24V DC.
- 2.6 MODE output : Screw terminal for indication of VCR selected mode.
ACTIVE; "L" Level, max. Current 50mA (+5VDC)/10mA(+24VDC)
NON ACTIVE; OPEN, max. Voltage +24V DC.
- 2.7 CLK output : Screw terminal to command camera switching.
A pulse of the frequency division ratio selected by on-screen menu.
- 2.8 CALL output : Screw terminal for external warning device or series recording.
ACTIVE; "L" Level, max. Current 50mA (+5VDC)/10mA(+24VDC)
NON ACTIVE; OPEN, max. Voltage +24V DC.

3. NET SPECIFICATION

3.1 NET Dimension 425(W) × 314(D) × 95(H) mm Figure 4.1

3.2 Weight 4.2 kg

4. ACCESSORIES

- | | |
|--|--------|
| 1) Operation manual
(Language : English, Spanish) | 1 pc. |
| 2) AC-Power-Cord | 1 pc. |
| 3) VCR Cable | 1 pc. |
| 4) BNC-RCA Adapter | 2 pcs. |
| 5) Product Guide | 1 pc. |
| 6) Warranty Card | 1 pc. |

5. ENVIRONMENTAL CONDITION

5.1 Transport condition (Regular packing)

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|-------------------------------------|---|
| 1) Truck (Container on flat car) | :Less than 2000km |
| 2) Railroad (Container on flat car) | :Less than 5000km |
| 3) Ship (Container) | :Inside of hold |
| 4) Freight | :Forklift truck (Palletizers) Manual handling |

5.3 Store condition (Regular packing)

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|----------------------------------|---------------------------------------|
| 1) Temp:20 , Humidity:60%RH Max. | 1 year with specified stack number |
| 2) Temp:40 , Humidity:90%RH Max. | 250 hours with specified stack number |

5.4 Usage condition

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|----------------|--------------|
| 1) Temperature | : 5°C - 40°C |
| 2) Humidity | : Max.80% RH |

3) Altitude : Max.3000m
Without dew

8.4 Vibration / Drop condition

- 1) Vibration : Random vibration
PSD Wave form B
9.24 m/s²
frequency band 5 ~ 100Hz
vibration times 1 hour
- 2) Drop : 1 corner, 2 edges, 5 faces
(1 corner 40cm, 2 edges 40cm,
Side, Front, Rear faces 40cm, Bottom face 50cm)