

# MDR4

MOBILE DIGITAL VIDEO RECORDER

## Withstand Harsh Environmental Conditions

The MDR4 is a specialized four-channel digital video recorder for vehicle application, in particular, passenger's safety surveillance. Also, it is specially designed to withstand the harsh environmental conditions, like shock and vibrations on vehicle video record application. The MDR4 is the ideal solution for remote real time surveillance for public transportation system.



## SPECIFICATIONS

VIDEO			
Signal Format	NTSC or PAL, switch selectable	Video Resolution	720 x 480 (NTSC), 720 x 576 (PAL)
Video Input	Composite: 4 BNC	Monitor Output	Composite: 1 BNC
Live Monitoring	Single, Quad and Sequence	Playback and Record Speed	Max. 30 ips (NTSC), 25 ips (PAL)
INPUTS / OUTPUTS			
Alarm Input	4 switch closures or TTL open-collector inputs, Programmable as NC/NO		
Alarm Output	2 relay	Alarm Reset Input	1 dry contact
Internal Buzzer (in DCP)	80dB at 10cm	Text Insertion	1 input / RS-232 / Async
PTZ Control	1 output / RS-232C / Async, shared port with Text Insertion		
Network Connectivity	10/100 Mbps Ethernet, RS-232C for external modem		
Audio Input	1 line	Audio Output	1 line
CONNECTORS			
Video Input	Composite: 4 BNC	Monitor Output	Composite: 1 BNC
Audio In	1 BNC	Audio Out	1 BNC
Alarm In	4 screwless, push button type, terminal block	Alarm In / Out	2 screwless, push button type, terminal block
Alarm Reset In	1 terminal block	Network	RJ-45
Text Insertion / PTZ Control	DB9 (P) connector	DCP / External Modem	DB9 (P) connector
STORAGE			
Primary Storage	Removable EIDE hard disk drive	Secondary Storage	N/A
GENERAL			
Dimensions (W x H x D)	11.8" x 4.8" x 14.6" (300mm x 121mm x 372mm)	Unit Weight	19.0 lbs (8.6kg)
Shipping Dimensions	16.1" x 9.8" x 19.8" (410mm x 250mm x 502mm)	Shipping Weight	26.2 lbs (11.9kg)
Operating Temperature	32°F to 104°F (0°C to 40°C)	Operating Humidity	0% to 90%
Power	9 to 30 VDC		
ENVIRONMENTAL SPECIFICATIONS			
Shock & Vibration KRISS Lab. Testing in accordance with SAE J4155, MIL-STD-810F (method 514.5 & method 516.5)	1. Vibration (Method 514.5) Non-operation: procedure-I/category-4, 11 & 24, Operation: procedure-I/category-20 2. Shock (Method 516.6) Non-operation: procedure-IV, Operation: procedure-I		
MISCELLANEOUS			
Approvals	FCC, CE, E mark		

\*Specifications subject to change without notice.