DATASHEET

Service & System Ancillaries | Software | Mobile Applications | Number Plate Capture | Twisted Pair Transmission | IP | Systems | Control Room | Hardware | Cameras | Lenses

C-MPDVR SERIES

MPEG4 Digital Video Recorders

The C-MP DVR series of 4, 8 & 16 channel MPEG4 Pentaplex DVRs combine the latest compression technology with a simple user interface. The units come with a built-in DVD-RW (except C-MPDVR-04-lite) and HDD providing storage of up to 500GB.

The Pentaplex function (Pentaplex means view, record, archive locally, view and record remotely) allows the operator to view live information & playback information on the same display whilst backing up a previous event. During this time the record process is uninterrupted and an additional operator could be viewing via the network connection.

The MPEG4 compression allows the DVR to achieve maximum recording efficiency for the available hard disk drive. Space is extended when compared to other compression techniques.

The recording function can be programmed for continuous, alarm or motion recording. Additionally these recordings can be scheduled to start and stop and different parts of the day. Event backup is done via the built in DVD Writer.

Optional Accessories:
Disk Array - External storage devise in 19" Rack mount, 2U high and providing upto 1.5TB capacity.
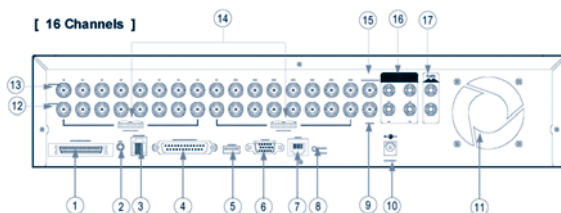VGA Adaptor - composite to VGA adaptor for viewing images on a PC screen

Ordering Information
C-MPDVR-04/160-Lite 4 channel MPEG4 DVR, 160 GB (without DVD-RW)
C-MPDVR-08/250   8 channel MPEG4 DVR with DVD-RW, 250GB
C-MPDVR-08/500   8 channel MPEG4 DVR with DVD-RW, 500GB
C-MPDVR-16/500   16 channel MPEG4 DVR with DVD-RW, 500GB
C-MPDVR-ARRAY   Additional disk storage Array
C-MPDVR-VGA   VGA Adaptor to allow the use of a PC Monitor

Contact CBC for storage options on both DVR and Disk Array

KEY FEATURES:

• MPEG4 compression
• Pentaplex (5 functions)
• Network access with IE or Client
• IR remote control (except C-MPDVR Lite)
• Search via time/date, motion
  or alarm
• Built in DVD writer for event
  back up (except C-MPDVR04-Lite)
• Dual monitor output (with VGA
  adaptor)
• Expandable external storage
• Firmware upgrade via USB
• Password protection
• Realtime recording in CIF mode

Rear view

[16 Channels]

1 - Disk Array port
2 - Connection to IR receiver
3 - RS485
4 - External I/O port
5 - USB port
6 - D/V port
7 - Lan
8 - Link /Act led light
9 - Call monitor
10 - Power
11 - Fan
12 - Video input
13 - Loop
14 - 75 Ω / HI
15 - Monitor
16 - Audio in
17 - Audio out

OPTIONAL PERIPHERALS

Disk Array

VGA adaptor

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C-MPDVR SERIES
MPEG4 Digital Video Recorders

MODEL	C-MPDVR04-LITE	C-MPDVR04	C-MPDVR08	C-MPDVR16
Video format	PAL/NTSC			
Compression system	MPEG4			
DVR type	PENTAPLEX			
Operating system Embedded	Linux			
HDD	IDE Type, ATA66, Support HDD x 1			
Video input	4x Composite 1.0Vp-p auto teminating		8x Composite 1.0Vp-p auto teminating	16x Composite 1.0Vp-p auto terminating
Video output	Main monitor output & Call monitor output: Composite video signal 1 Vp-p 75 ohms BNC			
Audio in/out	2 audio inputs, 1 audio output (mono)		4 audio inputs, 2 audio outputs (mono)	
Record modes	Continuous, Manual / Timer / Motion / Alarm			
DVD Writer	No	Yes	Yes	Yes
Watermark	Yes			
Record rate Frame (720 x 576)	25ips PAL/ 30ips NTSC		50ips PAL/ 60ips NTSC	100ips PAL/ 120ips NTSC
CIF (352 x 288)	100ips PAL/ 120ips NTSC		200ips PAL/ 240ips NTSC	400ips PAL/ 480ips NTSC
Motion detection	Yes, programmable per camera, 16 x 12 grids per camera			
Motion detect sensitivity	4 adjustable variable with precise calculation for motion detection			
Pre-alarm recording	Yes (8MB)			
Network protocol	TCP/IP, PPPoE, DHCP and DDNS			
Software update	USB / Network			
Alarm Notification	By email or FTP upload			
Alarm in/out	4 inputs, 1 output		8 inputs, 1 output	16 inputs, 1 output
Remote control	No	Yes	Yes	Yes
Ethernet	10/100 Base-T. Suport remote control and live view via Ethernet			
Picture Zoom	2x digital zoom			
Camera title	Supports upto 6 letters			
Video loss detection	Yes			
Video adjustment	Hue / Colour / Contrast / Brightness			
Date Display format	YY/MM/DD, DD/MM/YY, MM/DD/YY, and OFF			
Daylight saving	Yes			
System recovery	Auto, after power reconnected			
Optional peripherals	VGA connector		Independent Disk Array, VGA connector	
Dimensions	432mm (w) x 90mm (h) x 326mm (d)			
Weight / mounting	4Kg (no HDD) / Desk mount			
Power consumption	64W including HDDs			
Input voltage	19VDC or 100-260VAC with supplied power adaptor			
Operating conditions	0 - 40 degrees C			

Recording times for 160GB

Record speeds		16 channel				8 channel				4 channel			
720 x 576	Frame	100 ips	50 ips	25 ips	12.5 ips	50 ips	25 ips	12.5 ips	6 ips	25 ips	12.5 ips	6 ips	3 ips
360 x 288	CIF	400 ips	200 ips	100 ips	50 ips	200 ips	100 ips	50 ips	25 ips	100 ips	50 ips	25 ips	12 ips
Record quality		Record time in days and hours											
Best	Frame	1d 17hrs	3d 1 hrs	5d 14hrs	9d 0hrs	3d 11hrs	6d 3hrs	11d 4hrs	18d 1hrs	6d 23hrs	12d 6hrs	22d 8hrs	36d 3hrs
	CIF	2d 2hrs	3d 15hrs	6d 16hrs	10d 18hrs	4d 4hrs	7d 7hrs	13d 8hrs	21d 13hrs	8d 8hrs	14d 15hrs	26d 16hrs	43d 2hrs
High	Frame	2d 5hrs	3d 21hrs	7d 1hrs	11d 10hrs	4d 10hrs	7d 18hrs	14d 3hrs	22d 20hrs	8d 20hrs	15d 12hrs	28d 7hrs	46d 17hrs
	CIF	2d 22hrs	5d 3hrs	9d 9hrs	15d 4hrs	5d 20hrs	10d 7hrs	18d 19hrs	30d 8hrs	11d 17hrs	20d 17hrs	37d 14hrs	60d 17hrs
Normal	Frame	2d 21 hrs	5d 2hrs	9d 7hrs	15d 0hrs	5d 19hrs	10d 4hrs	18d 14hrs	30d 0hrs	11d 14hrs	20d 9hrs	37d 4hrs	60d 1hrs
	CIF	3d 20hrs	6d 18hrs	12d 8hrs	19d 23hrs	7d 17hrs	13d 13hrs	24d 17hrs	39d 23hrs	15d 11hrs	27d 3hrs	49d 11hrs	79d 22hrs
Basic	Frame	4d 16hrs	8d 5hrs	15d 0hrs	24d 6hrs	9d 9hrs	16d 11hrs	30d 1hrs	48d 13hrs	18d 18hrs	32d 23hrs	60d 2hrs	97d 2hrs
	CIF	5d 8hrs	9d 9hrs	17d 3hrs	27d 16hrs	10d 17hrs	18d 19hrs	34d 6hrs	55d 8hrs	21d 10hrs	37d 15hrs	68d 12hrs	110d 17hrs

Recording times for 250GB

Record speeds		16 channel				8 channel				4 channel			
720 x 576	Frame	100 ips	50 ips	25 ips	12.5 ips	50 ips	25 ips	12.5 ips	6 ips	25 ips	12.5 ips	6 ips	3 ips
360 x 288	CIF	400 ips	200 ips	100 ips	50 ips	200 ips	100 ips	50 ips	25 ips	100 ips	50 ips	25 ips	12 ips
Record quality		Record time in days and hours											
Best	Frame	2d 17	4d 19h	8d 17h	14d 2h	5d 11h	9d 14h	17d 11h	28d 5h	10d 22h	19d 4h	34d 22h	56d 11h
	CIF	3d 6h	5d 17h	10d 10h	16d 19h	6d 12h	11d 10h	20d 20h	33d 15h	13d 0h	22d 21h	41d 16h	67d 7h
High	Frame	3d 10h	6d 1h	11d 1h	17d 20h	6d 21h	12d 3h	22d 2h	35d 17h	13d 19h	24d 6h	44d 5h	71d 10h
	CIF	4d 14h	8d 1h	14d 16h	23d 17h	9d 4h	16d 3h	29d 8h	47d 10h	18d 9h	32d 6h	58d 17h	94d 21h
Normal	Frame	4d 12h	7d 23h	14d 12h	23d 11h	9d 1h	15d 22h	29d 1h	46d 22h	18d 3h	31d 17h	58d 2h	93d 20h
	CIF	6d 0h	10d 14h	19d 7h	31d 5h	12d 1h	21d 5h	38d 15h	62d 10h	24d 3h	42d 10h	77d 7h	124d 12h
Basic	Frame	7d 8h	12d 21h	23d 11h	37d 22h	14d 16h	25d 18h	46d 22h	75d 20h	29d 8h	51d 13h	93d 21h	151d 16h
	CIF	8d 8h	14d 16h	26d 18h	43d 6h	16d 17h	29d 9h	53d 13h	86d 12h	33d 11h	58d 19h	107d 2h	173d 0h

Recording times for 500GB

Record speeds		16 channel				8 channel				4 channel			
720 x 576	Frame	100 ips	50 ips	25 ips	12.5 ips	50 ips	25 ips	12.5 ips	6 ips	25 ips	12.5 ips	6 ips	3 ips
360 x 288	CIF	400 ips	200 ips	100 ips	50 ips	200 ips	100 ips	50 ips	25 ips	100 ips	50 ips	25 ips	12 ips
Record quality		Record time in days and hours											
Best	Frame	5d 11h	9d 14h	17d 11h	28d 5h	10d 22h	19d 4h	34d 22h	56d 11h	21d 20h	38d 9h	69d 21h	112d 22h
	CIF	6d 12h	11d 10h	20d 20h	33d 15h	13d 0h	22d 21h	41d 16h	67d 7h	26d 1h	45d 18h	83d 8h	134d 15h
High	Frame	6d 21h	12d 3h	22d 2h	35d 17h	13d 19h	24d 6h	44d 5h	71d 10h	27d 15h	48d 13h	88d 10h	142d 21h
	CIF	9d 4h	16d 3h	29d 8h	47d 10h	18d 8h	32d 6h	58d 17h	94d 21h	36d 17h	64d 12h	117d 11h	189d 19h
Normal	Frame	9d 1h	15d 22h	29d 1h	46d 22h	18d 3h	31d 21h	58d 2h	93d 20h	36d 7h	63d 19h	116d 4h	187d 17h
	CIF	12d 1h	21d 5h	38d 15h	62d 10h	24d 3h	42d 10h	77d 7h	124d 21h	48d 7h	84d 21h	154d 14h	249d 14h
Basic	Frame	14d 16h	25d 18h	46d 22h	75d 20h	29d 8h	51d 13h	93d 21h	151d 16h	58d 16h	103d 2h	187d 19h	303d 9h
	CIF	16d 17h	29d 9h	53d 13h	86d 12h	33d 11h	58d 19h	107d2h	173d 0h	66d 22h	117d 14h	214d 4h	346d 1h

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