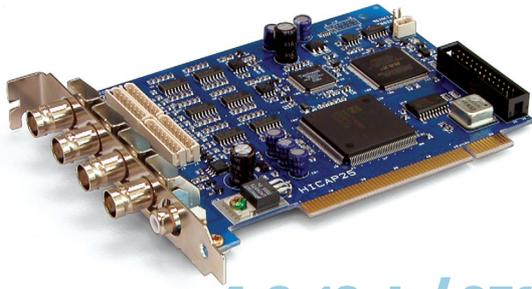# WE DO HAVE YOUR SECURITY SURVEILLANCE SOLUTIONS !

COMART SYSTEM CO,. LTD.

HICAP 25

4, 8, 16ch / 25fps

DIO 0404   DIO 0804   DIO 0402

DIO-0402, DIO-0404 & DIO-0804 work for HICAP 25 only.

PC based DVR BOARDS
HICAP series

ECONOMICAL DVR MODELS FOR PRACTICAL APPLICATION WHERE FAST RECORDING IS REQUIRED WITHOUT REAL-LIVE VIDEO DISPLAY.
ECONOMICAL PRICE, EACH MODEL CAN DISPLAY AND RECORD IMAGES AT 30/25, 60/50, 120/100, 240/200FPS(NTSC/PAL) RESPECTIVELY.
STABILITY : STABLE DVR HARDWARE AND SOFTWARE SOLUTION FOR APPLICATION WHERE REAL-LIVE MONITORING IS NOT NEEDED BUT FAST RECORDING.
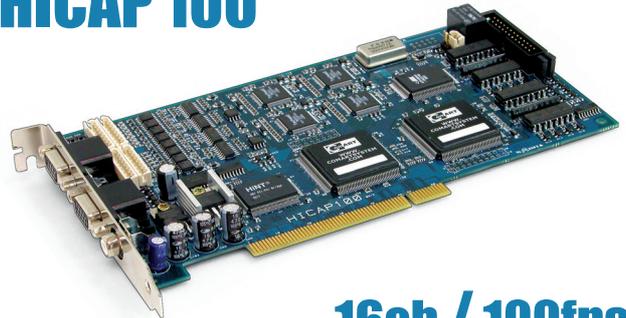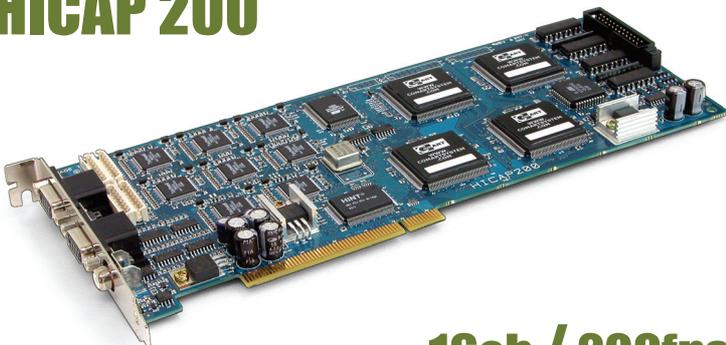**HIGH QUALITY VIDEO RECORDING :** MJPEG, MPEG4 SOFTWARE CODEC SUPPORTED. HIGH SPEED VIDEO RECORDING.

HICAP 50

16ch / 50fps

HICAP 100

16ch / 100fps

HICAP 200

16ch / 200fps

DIO 1604

**Only DIO-1604 works for
HICAP 50, HICAP 100 and HICAP 200.**

SPECIFICATION

CLASSIFICATION		HICAP 25	HICAP 50	HICAP 100	HICAP 200
Physical Form Factor		131mm x 100 mm 5.15 in. x 3.93 in.	159 mm x 108 mm 6.25 in. x 4.25 in.	200 mm x 108 mm 7.87 in. x 4.25 in.	256 mm x 109 mm 10.07 in. x 4.29 in.
Weight		120g	141g	168.5g	220.5g
Power Consumption		2 W	4.3 W	7.9 W	13.0 W
PCI Interface		33MHz, BUS Master, 132Mbyte/sec, PCI Rev. 2.2 Compliant			
Video	Input	4(Default) / 16(Optional)	16(Default)	16(Default)	16(Default)
	Input Voltage	1 V p.p.			
	Input Impedance	75 Ω			
	Formats Supported	50Hz PAL, 60Hz NTSC			
	Connect Type	External 2 BNC connectors / Internal 4 Molex connectors to extend up to 16ch	External two(2) Octopus BNC cables (Each BNC Cable Input : 8ea), Internal 16ch Molex Connectors		
	Output	One(1) Switched Composite Video Out in Full-screen Size only			
Resolution Supported	NTSC CIF (Default)	352x240			
	QCIF	176x120,160x120			
	2CIF	704x240, 640x240			
	4CIF	704x480, 640x480			
	PAL CIF (Default)	352x288			
	QCIF	176x144, 160x144			
	2CIF	704x288, 640x288			
	4CIF	704x576, 640x576			
Max. Total Display FPS(NTSC)		30 FPS	60 FPS	120 FPS	240 FPS
Max. Total Capturing FPS(NTSC)		30 FPS	60 FPS	120 FPS	240 FPS
Max. Per Channel Recording FPS(NTSC)		7 FPS w/ 4CHs 1 FPS w/ 16CHs	3 FPS w/16CHs	7 FPS w/16CHs	15 FPS w/16CHs
Average File Size Per CODEC	M-JPEG	6~12Kbyte			
	MPEG4	2~6Kbyte			
Number of DI/O Built-in on Board		Optional	16 Sensor Inputs, 4 Alarm Outputs		
RS422/485 Built-in on BOARD		YES	NO	NO	NO
Hardware Watch-Dog		Yes			
Video Motion Detection		By Software			
S/W Video CODEC Provided		Morgan Multimedia MOTION-JPEG, Comart MPEG4			

REFERENCE

No.	Description
1.	With HICAP series, what you monitor is what you record. So, it displays video at the same recording speed.
2.	HICAP tv-out does not display multi-screen videos but only one channel in full screen. It can switch a channel as per time-interval set.
3.	To hook up input sensors and output alarms with HICAP series, you need a DIO guide. Note that ones for HICAP 25 are not compatible for other HICAP models.
4.	COMART MPEG4 Codec speed is up to 150 FPS when it only compresses videos with a Pentium IV 1.6 in our program. So ot may produce less recording frames in our application. Especially it is limited to use this codec with HICAP 200.
5.	With a HERA board, it is possible to record Audio inputs up to 16ch. The syncronization is required to be done in application.
6.	Video loss detection supported.
7.	It is not able to use more than one COMART board per mother board.
8.	We support SDK Kit for software GUI development and software module intergration with Windows and Linux drivers.
9.	COMART Software and other 3rd party software are available if you need some GUI applications.