

AMEBA
Since 1995



THE ONE DVR

Innovative Features and Ultra Friendly

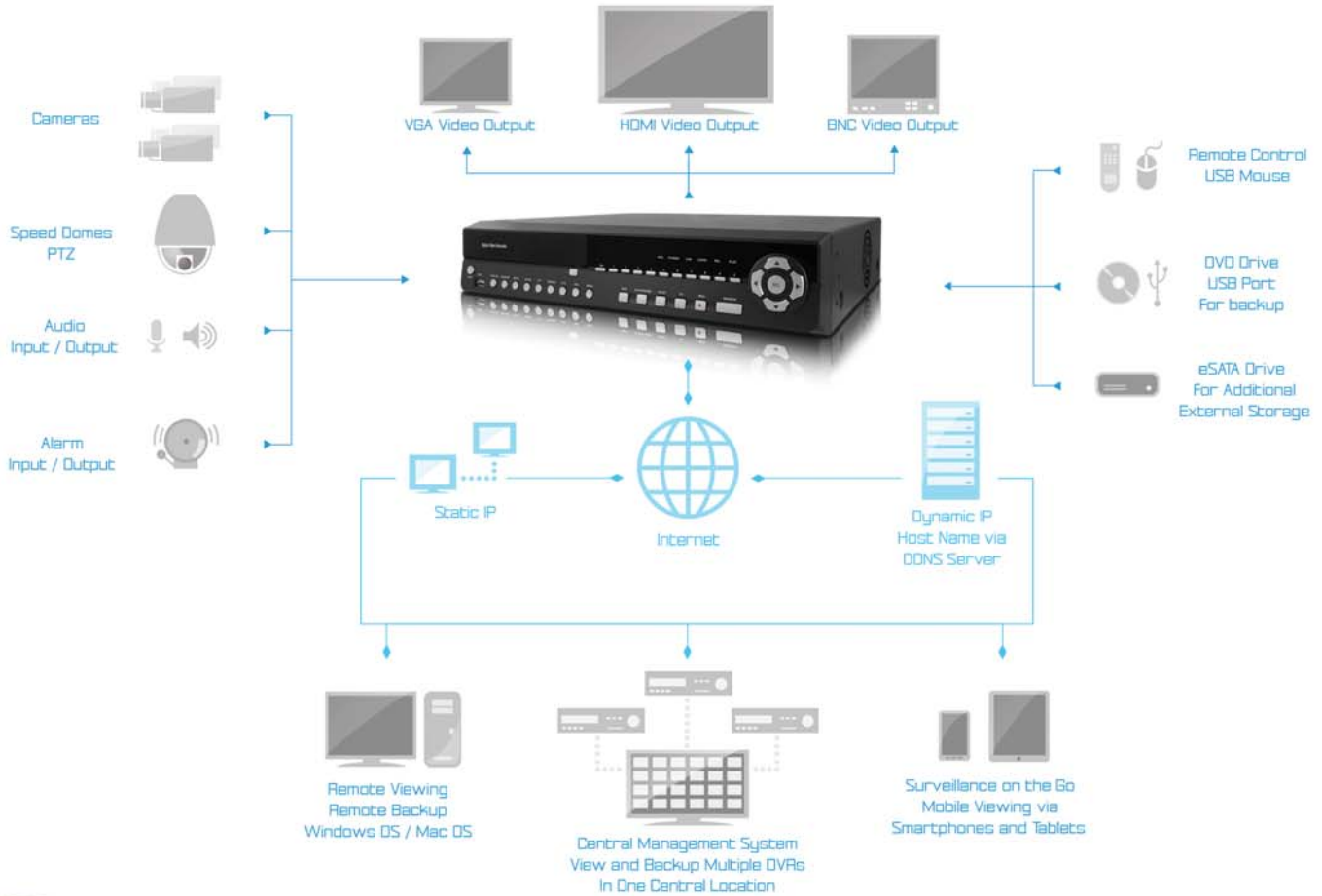


TheOne H.264 DVR Series

Ameba Technology introduces TheOne Series standalone DVRs, designed for professional applications where video qualities are critical. The D1 TP-Series offers real-time D1 recording for 16 channels and real-time half D1 for 32 channels. The i-Series offers real-time recording at CIF.

"TheOne HD" line offers HD-SDI Video Solution at 1080P quality recording.

System Configuration



FC CE
MADE IN TAIWAN



HDMI HD Video Output

High definition videos are displayed through HDMI connection to the HD TVs. With a maximum resolution of 1280x1024, high detailed stunning pictures capture every important detail. In addition to HDMI, VGA and BNC video outputs are convenient for multiple monitors installation.



Auto-Adjust to Screen Ratio

Auto switches from 4:3 standard screen to 16:9 wide screen aspect ratio. In wide screen mode side control panels can be turned on for easy access to frequently used functions. (Feature available on TP Series)



eSATA External Storage

On typical DVRs the available storage is limited by how many internal hard drives can physically fit within the DVR's case. With eSATA external connection, this limitation is lifted allowing for much greater storage space to accommodate the increasing demand for longer recording periods.



Cross Platform Viewing

Remote desktop software supports both Windows OS and Mac OS for remote viewing. The remote desktop software can be downloaded directly from the DVR when connected using the web browser.



• Remote desktop software support both Windows and Mac OS.

Mobile Viewing

Surveillance on the go, anytime, anywhere. These days everything is going mobile, surveillance is no exception. Mobile apps are downloadable directly from the app store and marketplace on iPhones, iPads and Android devices. Installation files are provided for BlackBerry, Windows Phone and Symbian devices.



Dedicated DDNS

With the high cost of leasing a static IP from the internet service providers, more end users are saving cost with dynamic IP addresses. With dynamic IP the users need to constantly check the current IP if they want to connect to their DVR. This is where DDNS service comes in. DDNS service provides the user with a static hostname of their choosing that will never change. In the background the DVR will sync its current IP with the hostname automatically. When users enters the hostname they will be directed to the correct IP.



Central Management System

CMS (Central Management System) provides an administrative solution for managing multiple surveillance sites. This powerful management tool enables users to not only monitor but also control all their DVRs remotely from one centralized location. With features such as eMap management, instant or scheduled recording, event playback, and alarm notifications the CMS gives all the tools you need at your fingertips. Up to 64 channels can be multiplexed onto one screen and the software allows as many connections to DVRs as your network bandwidth can support.



• Monitor multiple remote sites at one central location

i-Series

H.264 Digital Video Recorder

Features

- ▶ H.264 D1 704 x 480 Recording
- ▶ 480 FPS Real-Time recording
- ▶ HDMI & VGA output at 1280x1024 (i8, i16 only, Optional)
- ▶ Backup via USB, Remote PC, DVD-RW (Optional)
- ▶ Audio recording
- ▶ Mobile viewing with smartphones and tablets
- ▶ Support both Mac OS and Windows
- ▶ CMS unlimited remote connections
- ▶ Supports External SATA HDD (i8, i16 only)
- ▶ On screen PTZ controls (RS-485)
- ▶ Dedicated Ameba DDNS service
- ▶ Watermark identifies tampering of recorded data

H.264 120fps D1 Recording

H.264 plus D1 recording offers highly detailed pictures while maximizing hard drive capacity. At 704x480 resolution, recordings under D1 can be enlarged or zoomed in to find exactly what you are looking for. H.264 offers better quality and compression over MPEG4 recording. This means longer recording periods and smoother video streaming over the internet.

	D1 (fps/ch) 704x480	HD1 (fps/ch) 704x240	CIF (fps/ch) 352x240
4Ch	30 real time	30 real time	30 real time
8Ch	15	30 real time	30 real time
16Ch	7	15	30 real time



D1 (704x480) at full screen



CIF (352x240) at full screen

DVR-i4s



DVR-i8



DVR-i16



Mobile App

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View in quad mode or single channel



iPAD & Android Tablets

Model	DVR-i4s	DVR-i8	DVR-i16	
Video	Camera Input	4 Channels	8 Channels	16 Channels
	HDMI Input	N/A	Video(1280x1024) and Audio	Video(1280x1024) and Audio
	Input	4 (BNC)	8 (BNC)	16 (BNC)
	Output	1 x BNC, 1 x VGA (1280x1024)	1 x BNC (Main/Spot), 1 x VGA (1280x1024)	1 x BNC (Main/Spot), 1 x VGA (1280x1024)
Audio	Input	1xRCA	4xRCA	16xRCA
	Output	1xRCA	2xRCA	2xRCA
System	Operating System	Embedded Linux OS	Embedded Linux OS	Embedded Linux OS
	Internal HDD	1x SATA HDD	Max. 2x SATA Devices	Max. 4x SATA Devices
	External HDD	N/A	1x e-SATA	1x e-SATA
	Sensor In (NO, NC)	N/A	Sensor-in x8	Sensor-in x16
	Relay out		Relay-out x 1	Relay-out x 2
	Serial Interface	RS-485	RS-485	RS-485
	USB 2.0	1x Mouse, 1x Flash Drive	1x Mouse, 1x Flash Drive	1x Mouse, 1x Flash Drive
	Dimension (mm)	225(w)x46(h)x240(d)	430(w)x55(h)x293(d)	430(w)x55(h)x293(d)
	Weight (w/o HDD/DVD)	0.85KG	1.85KG	1.85KG
	Adaptor	Input 100~240V Output 12V 3A	Input 100~240V Output 12V 5A	Input 100~240V Output 12V 6A
	Power Source	36W	60W	72W
Display	Speed	120fps	240fps	480fps
	Resolution (pixels)	720x480 (NTSC), 720x576 (PAL)	720x480 (NTSC), 720x576 (PAL)	720x480 (NTSC), 720x576 (PAL)
	Split Screen	1,4, SEQ.	1,4,8, SEQ.	1,4,9,13,16, SEQ.
	Auto Channel	Switching time: 1~999 sec	Switching time: 1~999 sec	Switching time: 1~999 sec
Recording	Mode	Zoom(Digital 2x~8x), PIP, Auto SEQ.	Zoom(Digital 2x~8x), PIP, Auto SEQ.	Zoom(Digital 2x~8x), PIP, Auto SEQ.
	Compression	H.264 ASP (Internet Transmission: H.264)	H.264 ASP (Internet Transmission: H.264)	H.264 ASP (Internet Transmission: H.264)
	Main Recording	704x480, 704x240, 352x240 (NTSC) 704x576, 704x288, 352x288 (PAL)	704x480, 704x240, 352x240 (NTSC) 704x576, 704x288, 352x288 (PAL)	704x480, 704x240, 352x240 (NTSC) 704x576, 704x288, 352x288 (PAL)
	Sub (Network)	352x240 (NTSC) 352x288 (PAL)	352x240 (NTSC) 352x288 (PAL)	352x240 (NTSC) 352x288 (PAL)
	Picture Quality	Highest, High, Normal, Basic, Below Basic	Highest, High, Normal, Basic, Below Basic	Highest, High, Normal, Basic, Below Basic
	Mode	Manual, Motion, Schedule	Manual, Motion, Sensor, Schedule	Manual, Motion, Sensor, Schedule
	Speed (NTSC)	120 fps D1 (704x480) 120 fps HD1 (704x240) 120 fps CIF (352x240)	120 fps D1 (704x480) 240 fps HD1 (704x240) 240 fps CIF (352x240)	120 fps D1 (704x480) 240 fps HD1 (704x240) 480 fps CIF (352x240)
	Speed (PAL)	100 fps D1 (704x576) 100 fps HD1 (704x288) 100 fps CIF (352x288)	100 fps D1 (704x576) 200 fps HD1 (704x288) 200 fps CIF (352x288)	100 fps D1 (704x576) 200 fps HD1 (704x288) 400 fps CIF (352x288)
	Pre-Alarm	10 SEC	10 SEC	10 SEC
	Post-Alarm	1~60 SEC	1~60 SEC	1~60 SEC
	Watermark	Yes	Yes	Yes
Playback	Display	1,4	1,4,8	1,4,8,16
	Search Mode	Date, Time, Event, Camera	Date, Time, Event(Motion, Sensor), Camera	Date, Time, Event(Motion, Sensor), Camera
	Zoom	Digital (2x~8x)	Digital (2x~8x)	Digital (2x~8x)
	Snapshot	Yes	Yes	Yes
	Speed	1x, 2x, 4x, 8x, 16x, 32x, 64x Frame by Frame, Pause	1x, 2x, 4x, 8x, 16x, 32x, 64x Frame by Frame, Pause	1x, 2x, 4x, 8x, 16x, 32x, 64x Frame by Frame, Pause
	Device	Int.HDD	Int.HDD	Int.HDD
	Network Interface	10/100 Ethernet	10/100 Ethernet	10/100 Ethernet
Network	Protocol	TCP/IP, SMTP, HTTP, DHCP, PPPoE(ADSL), NTP	TCP/IP, SMTP, HTTP, DHCP, PPPoE(ADSL), NTP	TCP/IP, SMTP, HTTP, DHCP, PPPoE(ADSL), NTP
	Licensed Application	Windows XP/VISTA/7	Windows XP/VISTA/7	Windows XP/VISTA/7
	Software	MAC OS 10.6 or above	MAC OS 10.6 or above	MAC OS 10.6 or above
	Web Browser	IE Browser	IE Browser	IE Browser
	Account	1 Admin + 4 Users	1 Admin + 4 Users	1 Admin + 4 Users
	CMS	Unlimited Connections Performance depends on bandwidth	Unlimited Connections Performance depends on bandwidth	Unlimited Connections Performance depends on bandwidth
	3G/GPRS	Symbian, Windows Mobile, Blackberry	Symbian, Windows Mobile, Blackberry	Symbian, Windows Mobile, Blackberry
	Mobile Viewing	iPhone, Android	iPhone, Android	iPhone, Android
	Event Notification	Via E-mail	Via E-mail	Via E-mail
	Interface	USB 2.0 or SATA	USB 2.0 or SATA	USB 2.0 or SATA
Backup	Audio Backup	Yes	Yes	Yes
	Network	Yes	Yes	Yes
	Backup Device	Network, USB flash drive	Network, USB flash drive, DVD±RW (optional)	Network, USB flash drive, DVD±RW (optional)
Alarm	Motion Detection	Detected Frames: Unlimited / Channel Sensitivity: 10 levels per channel Area: Programmable individually	Detected Frames: Unlimited / Channel Sensitivity: 10 levels per channel Area: Programmable individually	Detected Frames: Unlimited / Channel Sensitivity: 10 levels per channel Area: Programmable individually
	Alarm Hold Time	1~60 SEC	1~60 SEC	1~60 SEC
	Event Search	Yes	Yes	Yes
	Event Log	Up to 10,000 events(Sensor, Motion, Video Loss, Power On, Remote Login, Logout, HDD Error, HDD Full)	Up to 10,000 events(Sensor, Motion, Video Loss, Power On, Remote Login, Logout, HDD Error, HDD Full)	Up to 10,000 events(Sensor, Motion, Video Loss, Power On, Remote Login, Logout, HDD Error, HDD Full)
OSD & DVR	GUI	16-bit True Color	16-bit True Color	16-bit True Color
	Multi-Language	English, Chinese (Traditional&Simplified), Japanese, German, French, Spanish, Thai, Portuguese, Italian, Russian, Greek, Korean, Polish, Hungarian, Hebrew, Dutch, Persian)	English, Chinese (Traditional&Simplified), Japanese, German, French, Spanish, Thai, Portuguese, Italian, Russian, Greek, Korean, Polish, Hungarian, Hebrew, Dutch, Persian)	English, Chinese (Traditional&Simplified), Japanese, German, French, Spanish, Thai, Portuguese, Italian, Russian, Greek, Korean, Polish, Hungarian, Hebrew, Dutch, Persian)
	Camera Title	Multi-Language	Multi-Language	Multi-Language
	USB Mouse	Included	Included	Included
	Remote Controller	Included	Included	Included, Controls up to 4 DVRs
Control	System Upgrade	via USB or Network	via USB or Network	via USB or Network
	Hard Key	Front Panel	Front Panel	Front Panel
	Pan/Tilt/Zoom	Control from RS-485 Interface	Control from RS-485 Interface	Control from RS-485 Interface
	Control	(Pelco P/D, Samsung, LG, LiLin)	(Pelco P/D, Samsung, LG, LiLin)	(Pelco P/D, Samsung, LG, LiLin)

* Specifications Subjected to Change Without Prior Notice

TP-Series

H.264 Full D1 High End



Features

- ▶ H.264 Recording Compression
- ▶ Pentaplex operation
- ▶ D1 Real-Time Recording for 16CH @ 480FPS
- ▶ Half D1 Real-Time Recording for 32CH @960FPS
- ▶ Audio recording
- ▶ CMS with E-Map Support
- ▶ Mobile viewing with smartphones and tablets
- ▶ Support both Mac OS and Windows
- ▶ Touch-Panel LCD Monitor Supported
- ▶ Up to 6 SATA devices
- ▶ HDMI and eSATA
- ▶ Backup via USB, Remote PC, DVD-RW (Optional)
- ▶ On screen PTZ controls (RS-485)
- ▶ Dedicated Ameba DDNS service
- ▶ Watermark identifies tampering of recorded data
- ▶ Auto switch between 4:3 and 16:9 aspect ratio
- ▶ Easy access control panel in wide screen



• Standard 4:3 aspect ratio



• Wide screen 16:9 with control panel

DVR-TP16



DVR-TP32



H.264 Full D1 480FPS Real Time

Real time D1 recording for 16 channel and real time half D1 recording for 32 channel allows for amazingly smooth video playback. H.264 plus D1 recording offers highly detailed pictures while maximizing hard drive capacity. At 704x480 resolution, recordings under D1 can be enlarged or zoomed in to find exactly what you are looking for. H.264 offers better quality and compression over MPEG4 recording. This means longer recording periods and smoother video streaming over the internet.

	D1 (fps/ch)	HD1 (fps/ch)	CIF (fps/ch)
	704x480	704x240	352x240
16Ch	30 real time	30 real time	30 real time
32Ch	15	30 real time	30 real time



D1 (704x480) at full screen



CIF (352x240) at full screen

Mobile App

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View in quad mode or single channel



iPAD & Android Tablets

Model	DVR-TP16	DVR-TP32	
Video	Camera Input	16 Channels	32 Channels
	HDMI	1 (Video Output at 1024x768, 1280x1024, 1366x768, 1440x900, + Audio Output)	
	Input	16 BNC	32 BNC
	Loop Out	16 BNC loop out (1 per channel)	N/A
	Output	1 x VGA (1024x768, 1280x1024, 1366x768, 1440x900) + 1 x BNC (720x480) for SPOT monitor	
Audio	Input	16 x RCA	
	Output	2 x RCA	
System	Operating System	Embedded Linux OS	
	Internal HDD	Max. 4 SATA Devices (HDDx4, HDDx3+DVDx1, HDDx3+eSATAx1, HDDx2+DVDx1+eSATAx1)	Max. 6 SATA Devices (HDDx4, HDDx4+eSATAx1, HDDx4+DVDx1, HDDx4+DVDx1+eSATAx1)
	External HDD	1 x eSATA	
	Sensor In (NO, NC)	Sensor-in x 16	
	Relay out	Relay-out x 4	
	Serial Interface	RS-485	
	USB 2.0	2 x USB2.0	
	Dimension (mm)	442(W)x92(H)x438(D)	
	Weight (w/o HDD/DVD)	5KG / 11 lbs	
	Power	110V/220V Built-in transformer	
Power Source	220W		
Display	Speed	480fps	960fps
	Resolution (pixels)	720 x 480	
	Split Screen	1,4, 9, 13, 16, SEQ.	1,4, 9, 16, 32, SEQ.
	Auto Channel	Switching time: 1~99 sec	
	Mode	Zoom(Digital 2x~8x), PIP, Auto SEQ.	
Recording	Compression	H.264 ASP (Internet Transmission: H.264)	
	Main Recording	704 x 480, 704 x 240, 352 x 240	
	Sub (Network)	352 x 240, 176 x 120	
	Picture Quality	10~100 levels for adjustment	
	Mode	Continuous, Event and Schedule	
	Speed	D1 480 fps (704 x 480), HD1 480 fps (704 x 240), CIF 480 fps (352 x 240)	D1 480 fps (704 x 480), HD1 960 fps (704 x 240), CIF 960 fps (352 x 240)
	Pre-Alarm	1~10 SEC	
	Post-Alarm	1~100 SEC	
	Watermark	Yes	
	Playback	Display	1,4, 8, 16
Search Mode		Time, Log	
Zoom		Digital (2x~8x)	
Snapshot		Yes	
Speed		Play, Pause, Stop, Slow(1/2, 1/4, 1/8), FF(4,8,16,32), REW(4,8,16,32)	
Device		Frame by Frame, Seek Bar, Focus	
Device		Int.HDD	
Network	Network Interface	10/100 Ethernet	
	Protocol	TCP/IP, SMTP, HTTP, DHCP, PPPoE(ADSL), NTP	
	Application	Windows XP/VISTA/7, Mac OS X (PC Client system)	
	Remote Software	Licensed Application Software	
	Web Browser	IE Browser	
	Account	1 Admin + 8 Users	
	CMS	Unlimited Connections CMS for Windows XP, Vista, 7 Performance depends on bandwidth	
	3G/GPRS	iPhone, iPad, Android, Windows Phone 7	
	Mobile Viewing	Download app directly from appstore	
	Event Notification	Via E-mail	
Backup	Interface	USB 2.0 or SATA	
	Audio Backup	Yes	
	Network	Yes	
	Backup Device	Network, USB flash drive, USB DVD±RW, SATA DVD±RW	
Alarm	Motion Detection	Detected Frames: Unlimited / Channel Sensitivity: 100 levels per channel Area: Programmable individually	
	Alarm Hold Time	1~100 SEC	
	Event Search	Yes	
	Event Log	Up to 10,000 events(Sensor, Motion, Video Loss, Power On, Remote Login, Logout, HDD Error, HDD Full)	
OSD & DVR	GUI	16-bit True Color	
	Multi-Language	English, Chinese (Traditional&Simplified), Japanese, German, French, Spanish, Thai, Portuguese, Italian, Russian, Greek, Korean, Polish, Hungarian, Hebrew, Dutch, Persian)	
Control	Camera Title	Multi-Language	
	USB Mouse	Included	
	Touch Panel	Touch Panel LCD Monitor (USB interface, EETI Chipset Only)	
	Remote Controller	IR Remote Control (Max. 4 Devices)	
	System Upgrade	via USB or Network	
	Hard Key	Front Panel	
Pan/Tilt/Zoom Control	Control from RS-485 interface (Pelco P/D, Samsung, LG, LiLin)		

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