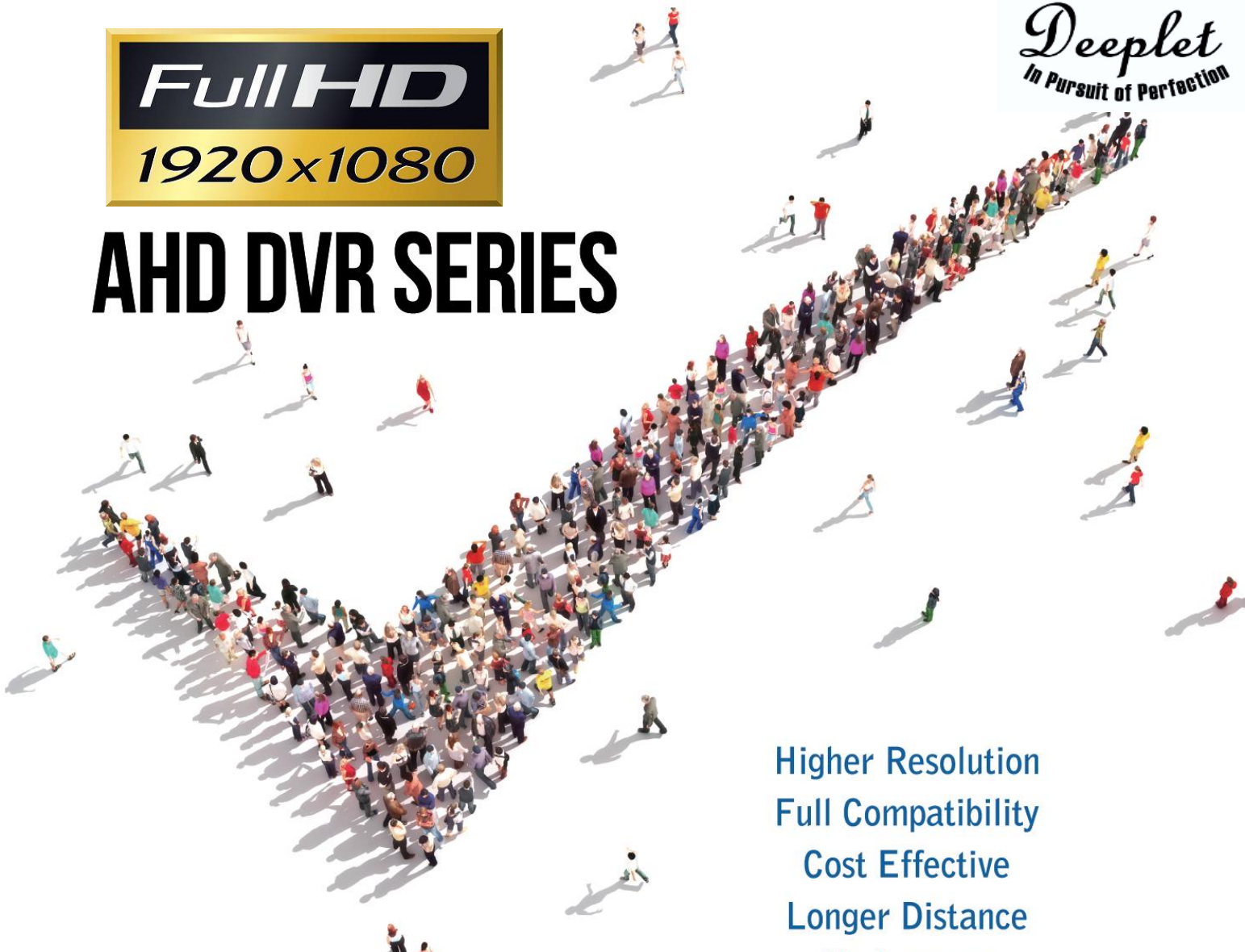


**Full HD**  
1920x1080

*Deeplet*  
In Pursuit of Perfection

# AHD DVR SERIES



Higher Resolution  
Full Compatibility  
Cost Effective  
Longer Distance  
No Latency  
Open Platform

**AHD** Analog High Definition

- H.264 High Profile
- Hybrid IP-Cam AHD Analog
- AHD 1080p
- Onvif Profile S
- Apple Android
- Fly2 DDNS
- Smart Search
- Push Alarm
- UTC
- SATA HDD > 8TB
- eSATA
- HDMI
- VGA
- Alarm I/O
- RS-232
- RS-485



→ **AHD 1080p Hybrid DVR Series**



**DA-2160A**  
8-CH IP-Cam and  
16/8CH AHD Hybrid DVR  
430(W) x 350(D) x 66(H)mm



**DA-1162/1160A**  
8-CH IP-Cam and  
16/8CH AHD Hybrid DVR  
430(W) x 280(D) x 55(H)mm



**DA-1800A**  
4-CH IP-Cam and  
8/4-CH AHD Hybrid DVR  
320(W) x 210(D) x 50(H)mm



**DA-1401A**  
4-CH IP-Cam and  
4-CH AHD Hybrid DVR  
320(W) x 210(D) x 50(H)mm



**DA-1400A**  
4-CH IP-Cam and  
4-CH AHD Hybrid DVR  
185(W) x 195(D) x 44(H)mm

## Specifications:

Model		DA-2160A / 1162A / 1160A			DA-1800A		DA-1401A / 1400A			
System	O.S.	Embedded Linux 3.0								
	Multiplex	Hexaplex operation - simultaneous record, live, playback, backup, control, & remote access								
Video	Format	IP CAM: ONVIF Profile S Analog: NTSC/EIA or PAL/CCIR AHD or Analog								
	Input	IP-CAM: up to 8-CH 1080p/720p; Analog: up to 16-CH AHD, BNC, 1Vp-p /75ohm		IP-CAM: up to 4-CH 1080p/720p; Analog: up to 8-CH AHD, BNC, 1Vp-p /75ohm		IP-CAM: up to 2-CH 1080p and 2-CH 720p; Analog: up to 4-CH AHD, BNC, 1Vp-p /75ohm				
	Main monitor	HDMI*1 & VGA*1 with resolution up to 1920x1080 ; BNC*1, 1Vp-p/75ohm								
	Call monitor	BNC*1, 1Vp-p/75ohm, shared with Main monitor								
Audio I/O		8 in / 2 out		8 in / 1 out		4 in / 1out		2 in / 1 out		1 in / 1 out
Record	Compression	Video: H.264; Audio: ADPCM								
	Max frame rate	IP-CAM: 180fps@1080p, 240/200fps@720p Analog: 120fps@1080p, 240fps@720p, 480/400@960H Up to 60Mbps incoming bandwidth for IP-CAM			IP-CAM: 120/100fps@1080p/720p Analog: 60fps@1080p, 120fps@720p, 240/200@960H Up to 40Mbps incoming bandwidth for IP-CAM			IP-CAM: 60fps@1080p, 120/100fps@720p Analog: 40fps@1080p, 80fps@720p, 120/100@960H Up to 20Mbps incoming bandwidth for IP-CAM		
	Mode	Manual/Schedule/Alarm/Motion								
	Pre-record time	0 - 10 seconds								
	Post-record time	0 - 60 minutes								
Display	Resolution	HDMI/VGA - up to 1920*1080 ; NTSC - 720*480, PAL - 720*576								
	Split windows	1/4/7/9/10/13/16				1/4/7/9				
	Frame rate	Up to 30/25 FPS per display window								
	Digital Zoom	X2, X4								
Playback	Max frame rate	IP-CAM: 180fps@1080p, 240/200fps@720p Analog: 120fps@1080p, 240fps@720p, 480/400@960H			IP-CAM: 120/100fps@1080p/720p Analog: 60fps@1080p, 120fps@720p, 240/200@960H			IP-CAM: 60fps@1080p, 120/100fps@720p Analog: 40fps@1080p, 80fps@720p, 120/100@960H		
	Search	Smart search, Date/time, Camera, Alarm, Motion								
	Operation	Play, Fast Forward, Backward, Pause, Stop, Snapshot, etc.								
Storage	HDD	5 HDDs		2 HDDs		1 HDD		1 set of 3.5" SATA HDD		
	HDD Extension	Optional eSATA connector for up to 5 external HDDs							--	
	Backup	2 USB 2.0 port ; Self playback for backup files								
Alarm I / O		16 in / 4 out			8 in / 1 out			4 in / 1 out		2 in / 1 out
Network	Ethernet	1 RJ-45 10/100M Ethernet connector								
	Function	Free DDNS, Email, FTP, RTSP, UPnP, P2P, Two-Way audio, Audio broadcasting, USB 3G dongle support								
Control / POS / GPS	Remote Controller	1 remote controller to control up to 4 DVRs; Optional extension cable								
	RS-232	1 D-type male connector for PTZ, keyboard, POS, or GPS						--		
	RS-485	2-pin for keyboard and/or PTZ control								
Setup	Local	On screen setup via keypad, remote controller, mouse, and/or RS-485 keyboard							w/o keypad	
	Remote	Setup & upload via Windows/Mac/iPad/Android Tablet application software								
Reliability	System recovery	Auto power on after power loss recovery								
	Watch Dog Timer	Yes								
	Timer	Built-in real time clock								
	Security	Multi-level password (4 levels, up to 18 accounts) protection with authentication key for remote access								
Power	Source	+12VDC								
	Consumption	100W Max.		60W Max.		36W Max.				
Operating Temperature		0°C ~ +40°C								