

Title:	Firmware Version: V1.2 build100816				
Date:	3/2/2011	Version:	1.0	Pages	2
Product:	DS-90XX / 91XX DVR's				
Action Required:	Information Only				

Firmware Version: V1.2 build100816

Supported DVR model:

Hybrid DVR: DS-9008HFI-S, DS-9016HFI-S

Hybrid DVR with HDMI output: DS-9008HFI-SH, DS-9016HFI-SH ("H" means HDMI output)

Embedded Analog DVR: DS-9104HFI-S, DS-9108HFI-S, DS-9116HFI-S

Embedded Analog DVR: DS-9104HDI-S, DS-9108HDI-S, DS-9116HDI-S

New feature list:

1. Hybrid DVR with V1.2 firmware can support Hikvision camera with either Hik H.264 codec or standard H.264 codec.

DS-9008HFI-S	8-ch analog + 8-ch 4CIF IP/4-ch 720P at 30fps/4-ch 2.0MP at 15fps maximum
DS-9016HFI-S	16-ch analog + 8-ch 4CIF IP/4-ch 720P at 30fps/4-ch 2.0MP at 15fps maximum
DS-9008HFI-SH	8-ch analog + 8-ch 4CIF IP/4-ch 720P at 30fps/4-ch 2.0MP at 15fps/2-ch 2.0MP at 30fps maximum
DS-9016HFI-SH	16-ch analog + 8-ch 4CIF IP/4-ch 720P at 30fps/4-ch 2.0MP at 15fps/2-ch 2.0MP at 30fps maximum

2. Hybrid DVR with V1.2 firmware can support the following third party IP camera:

Company	Codec	Supported IP Camera Model Name
Panasonic	MPEG-4	WV-NP304/WV-NP1000/WV-NP240/WV-NW484S/WV-NF302/WV-NF284/WV-NW960/WV-NS950/WV-NS202A
Sony	MPEG-4	SNC-DF70P/DF40P/CS10/CS11/P5/P1/RZ25
Axis	MPEG-4	209FD/209FD-R/209MFD/209MFD-R/216FD/216FD-V/216MFD/216MFD-V/225FD/207/207W/207MW/210/210A/211/211A/211W/211M/221/223M/212 PTZ/212 PTZ-V/213 PTZ/214 PTZ/215 PTZ/215 PTZ-E/231D+/232D+/233D
Sanyo	H.264	VCC-HD4000(P)/HD3300(P)/HD3100(P)/HD2300(P)/HD2100(P)
Bosch	H.264	IP Camera: NBC-255-P/NBC-225-P/NWC-0455/NWD-455/NWC-0495/NWD-495/100 series/200 series/300 series/500i series Video Encoder: VideoJet X10/X20/X40 SN Video Encoder VideoJet X10/X20/X40 Rugged Video Encoder VIP X1600XF/VIP X1600
ACTi	MPEG-4	Can support all ACTi product with firmware V3.11.13 ACM-1011/ACM-1231/ACM-1232/ACM-1311/ACM-1431/ACM-1432/ACM-1511/ACM-3001/ACM-3011/ACM-3211/ACM-3311/ACM-3401/ACM-3411/ACM-3511/ACM-3601/ACM-3603/ACM-3701/ACM-3703/ACM-4000/ACM-4200/ACM-4201/ACM-5001/ACM-5601/ACM-5611/ACM-8211/ACM-8511/ACD-2100 (PTZ function is not supported)

3. Supports 32 DVR users maximum (including admin) with individual local access permission and remote access permission
4. User password can be character
5. Adds event output on VGA, main CVBS and spot CVBS
6. Adds smart search function in playback
7. Supports Hikvision NAS and IP SAN for network storage
8. Supports more channels playback for DS-9000/9100 series DVR

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Model Name	Analog Playback	4CIF IP Playback	Megapixel Playback
DS-9008HFI-S DS-9008HFI-SH	8-ch maximum	4-ch maximum	1-ch maximum
DS-9016HFI-S DS-9016HFI-SH	16-ch maximum	4-ch maximum	1-ch maximum
DS-9104HFI-S	4-ch maximum	N/A	N/A
DS-9108HFI-S	8-ch maximum	N/A	N/A
DS-9116HFI-S	16-ch maximum	N/A	N/A

9. Improve playback search function
10. Improve "Affected Camera" setting
11. Resolved "Quick Schedule Configuration" bug