



Heavy Duty 4/8Ch Fan-less DVR

For Operations in Harsh Environment and Extreme Temperatures

The Ultimate DVR Built to Save Your Mission-Critical Operations, Quietly and Reliably.

Whenever a conventional DVR fails to get the mission accomplished, our versatile, heavy-duty **BOXA** Series is ready to take the challenges. Dust proof, accommodating wide input voltage from 9V~32V and built to sustain operations in extreme ambient temperature from -40°C to 50°C, available in 4ch and 8ch.

A Perfect DVR Solution to Survive the Harsh Operation Environment

Panacom **BOXA** Series is a perfect solution for tough requirements in *space-critical* and *harsh environment* applications. The case made of aluminum is designed with fins that increase the surface area for more effective heat dissipation. With the *built-in preheat circuit*, it enables survival of the unit when the operation is placed under *wide temperature environment (-40 ~ +50°C)*. The robust design of *fan-less system* and the *industrial product quality* enhance the reliability and stability.

Benefits

- Rugged and compact design with **anodized aluminum casing**, **fan-less** and **dust proof** for space-critical and noise sensitive applications
- Take one 2.5" conventional HDD or **solid state HDD** for deploying shock and vibration resistant recording
- Preheating circuitry** to give reliable operation within wide temperature range from -40°C to 50°C
- 3G Mobile surveillance** enables live monitoring on a compatible 3G mobile phone or PDA anywhere
- Easy-to-use Graphical User Interface for fast and simple operation
- All **solid state capacitors** to ensure reliable operation in extreme temperatures
- Accommodate **wide voltage input from 9V~32V** for vehicle surveillance deployment

Features

- Dust-proofed Fan less Anodized aluminum casing with built-in preheating circuit
- Triplex Operation with MJPEG/MPEG4 Compression
- Powered by our already acclaimed DVR400 series engine, available in 4ch, 8ch
- Remote viewing/control via 3G, BlackBerry phones, IE Browser and AP



A perfect solution for tough requirements in space-critical and harsh environment applications



FDR04D/08D

Operations at Temperatures (-40°C ~ +50°C)

Dust-proofed / Fanless Anodized aluminum casing

Built-in Preheating Circuit



Remotely monitor, control, and playback via the internet.

Specification

Models	FDR04D	FDR08D
Video		
Video Input	BNC x 4	BNC x 8
Video Output	VGA Out x 1, Video Out x 1	
Display Resolution	NTSC: 640 x 448, PAL: 640 x 544	
Display Frame Rate	NTSC: 120fps PAL: 100fps	NTSC: 240fps PAL: 200fps
Display Division	Single / Sequence / Split (1/4)	Single / Sequence / Split (1/4/8)
Video Compression	MJPEG /MPEG4	
Audio		
Audio Input	1	
Audio Output	1	
Recording		
Recording Resolution	NTSC: 640 x 224, PAL: 640 x 272	
Recording Frame Rate	60 / 50fps	
Recording Mode	Continuous, Schedule, Motion Detection	
Recording Quality	High / Normal / Low	
Search & Playback		
Search Mode	Time / Event	
Storage / Backup		
Storage Support	One Internal 2.5" SATA HDD	
Backup Device	USB stick	
Network		
Network Connection	RJ-45	
Network Protocol	TCP/IP, Static IP, DHCP, PPPOE,	
Network Remote	Remote Monitoring, Recording,	
Connector		
USB	USB2.0 Port x 1	
Mouse	Mouse Port (PS/2 Protocol) x 1	
I/O Connector		
5-BNC & 2-RCA Breakout Cable	Provide 4-Video/In, 1-Video/Out and 1-Audio/In, 1-Audio/Out	Provide 8-Video/In, 1-Video/Out and 1-Audio/In, 1-Audio/Out
Additional Function		
Heater	Sensor On: < 5°C , Sensee Off: > 10°C (Optional)	
Wide Range of Input Voltage	9V to 32V (Optional)	
Accessories		
Mouse	Yes (PS/2 Compatible USB Mouse)	
IR Remote Controller	Yes	
IR Extender	Yes	
Others		
Working Temperature	-40°C ~ +50°C	
Power Supply	Input: AC100~240V, 50/60Hz, Output: DC12V, 3A (with Heater: 4A)	
Dimension (WxHxD)	210mm x 55mm x 125mm	