



## Multi-Format Recording Device

# DR-x52-AV

### Features:

- Supports H.264 CODEC
- Supports Dual display
- Up to Max. 5M recording
- All In One - Supports TVI/AHD/CVI/CVBS/IP
- Supports Various IP Camera by ONVIF
- Supports VA - Various Video Analytics function
- Supports CVBS Spot Monitor
- HD monitor and VGA Video Output
- Supports P2P
- Compact Size & easy to install the HDD

## ■ Specifications

MODELS		DR-8M52-A-V	DR-16M52-AV
VIDEO	INPUT SIGNAL	SD(960) / AHD,TVI(HD,FHD)/ 3,4,5M	SD(960) / AHD,TVI(HD,FHD)3,4,5M
	IP HYBRID	Max. 8CH, 2MP@30	Max. 16CH, 2MP@30
	MAIN MONITOR	HDMI / VGA	HDMI / VGA
	SPOT OUT	1(CVBS)	1(CVBS)
	LOOP THROUGH	no	no
AUDIO	INPUT SIGNAL	4CH(10KOhm, 2.8Vpp)	4CH(10KOhm, 2.8Vpp)
	OUTPUT SIGNAL	1CH(600Ohm, 2.8Vpp)	1CH(600Ohm, 2.8Vpp)
	CODEC	G.711 ulaw	G.711 ulaw
RECORDING	CODEC	H.264	H.264
	REC. RATE	Analog: Up to 160FPS@1296x1944 (5M Half), 96FPS@2592x1944 (5M), 240FPS@1344x1520 (4M Half), 240FPS@1280x1440 (4M Half), 120FPS@2592x1520 (4M), 120FPS@2560x1440 (4M), 240FPS@1024x1536 (3M half), 144FPS@1920x1536 (3M), 240FPS@ FHD IP: Up to 240FPS@ FHD	Analog: Up to 160FPS@1296x1944 (5M Half), 96FPS@2592x1944(5M), 240FPS@1344x1520(4M Half), 240FPS@1280x1440(4M Half), 120FPS@2592x1520(4M), 120FPS@2560x1440(4M), 240FPS@1024x1536(3M half), 144FPS@1920x1536(3M), 240FPS@ FHD(2/3/4/5M Noise Filter Off) IP: Up to 480FPS@ FHD
	REC. RESOLUTION	CIF, 2CIF, D1, 960H, 720P, 1080P, 3M, 4M, 5M	CIF, 2CIF, D1, 960H, 720P, 1080P, 3M, 4M, 5M
ALARM I/O	ALARM INPUT	2CH	2CH
	ALARM OUT	1CH (RELAY)	1CH (RELAY)
STORAGE	INTERNAL HDD	2EA	2EA
	EXTERNAL STORAGE	no	no
	INTERNAL ODD	no	no
INTERFACE	USB	2x front	2x front
	RS-485	1	1
	RS-232	-	-
	LAN	1x 10/100/1000	1x 10/100/1000
	REMOTE CONTROL	YES	YES
	SIGNAL SWITCH	NO	NO
ADDITIONAL	WATCHDOG	YES	YES
	COOLING FAN	1	1
POWER	POWER SUPPLY	12V/3A	12V/3A
	POWER CONSUMPTION	13W max. without HDD	14W max. without HDD
ENVIRONMENT	TEMPERATURE / HUMIDITY	0°C ~ 40°C (32°F~104°F) / 10 ~ 90% NC	0°C ~ 40°C (32°F~104°F) / 10 ~ 90% NC
CHASSIS	DIMENSIONS (mm)	380(W) x 314.6(D) x 44(H)	380(W) x 314.6(D) x 44(H)
	NET WEIGHT(kg)	2.52	2.58
	GROSS WEIGHT(kg)	3.63	3.69
CERTIFICATIONS	CERTIFICATIONS	CE, FCC, KC	CE, FCC, KC
MONITORING	DISPLAY RATE	Analog: Up to 160FPS@5M Half, 240FPS@4M Half, 144FPS@3, 240FPS@ 2M Up to 240FPS@ 2M	Analog: Up to 320FPS@5M Half, 480FPS@4M Half, 216FPS@3M half, 480FPS@ 2M IP: Up to 480FPS@ 2M
	DISPLAY RESOLUTION	1920x1080(HD Display, VGA), Dual Display (Mirroring)	1920x1080(HD Display, VGA), Dual Display (Mirroring)
	DISPLAY MODE	1 4 6 8 9	1,4,6,8,9,16
	SEQUENCE	Programmable Sequence	Programmable Sequence
	DIGITAL ZOOM	YES	YES
	COVERT CAMERAS	YES	YES
	CAMERA COLOR CONTROL	YES (CONTRAST, COLOR, TINT, BRIGHTNESS)	YES (CONTRAST, COLOR, TINT, BRIGHTNESS)
	PTZ CAMERA	YES	YES
SCHEDULE METHOD	DAILY/WEEKLY EACH HOUR	DAILY/WEEKLY EACH HOUR	

Specifications are subject to change without notice.

	MODELS	DR-8M52-A-V	DR-16M52-AV	
MONITORING (continued)	PROGRAMMABLE FOR CH	YES	YES	
	MANUAL RECORDING	YES	YES	
	POST-EVENT RECORDING	5/10/15/20/30/60/180 SEC	5/10/15/20/30/60/180 SEC	
	EVENT RECORDING	YES	YES	
	PRE-EVENT RECORDING	0/1/2/3/4/5/10/15 SEC	0/1/2/3/4/5/10/15 SEC	
	PANIC RECORDING	YES	YES	
	EVENT LOGGING	YES (MOTION,ALARM,PANIC,VLOSS)	YES (MOTION,ALARM,PANIC,VLOSS)	
	SYSTEM LOGGING	YES (SYSTEM ON/OFF, TIME CHANGED, HDD/EMAIL OPERATIONS, SYSTEM OPERATIONS)	YES (SYSTEM ON/OFF, TIME CHANGED, HDD/EMAIL OPERATIONS, SYSTEM OPERATIONS)	
	SETUP LOGGING	YES (SETUP CHANGED)	YES (SETUP CHANGED)	
	REMOTE LOGGING	YES (WHO, IP ADDRESS, REMOTE OPERATIONS)	YES (WHO, IP ADDRESS, REMOTE OPERATIONS)	
SEARCH & PLAY- BACK	PLAYBACK RATE	Same as Recording Rate	Same as Recording Rate	
	PLAYBACK SPEED	x1, x2, x4, x8, x16, x32, x64	x1, x2, x4, x8, x16, x32, x64	
	SEARCH TYPE	CALENDER / EVENT / TIME / THUMBNAIL	CALENDER / EVENT / TIME / THUMBNAIL	
ARCHIVING	ARCHIVING DEVICES	USB Memory, FTP	USB Memory, FTP	
	REMOTE ARCHIVING	YES (WEB RA, VMS, FTP)	YES (WEB RA, VMS, FTP)	
	SNAPSHOT ARCHIVING	YES	YES	
	DATA RESERVING	YES	YES	
	RESERVED DATA LIST MANAGEMENT	YES	YES	
	BACKUP DATA FORMAT	AVI, RAW	AVI, RAW	
	WATERMARK / VERIFICATION	YES	YES	
	ARCHIVED DATA PLAYBACK	YES	YES	
NETWORK	MAX. CONNECTIONS	32 USERS	32 USERS	
	DHCP / DDNS	YES	YES	
	TRANSMISSION RATE	MAX 240 FPS	MAX 480 FPS	
	BANDWIDTH CONTROL	YES	YES	
	WEB BROWSER ACCESS	YES	YES	
	REMOTE FUNCTION	REMOTE MONITORING /PLAYBACK / ARCHIVING / SETUP / PTZ CONTROL / HEALTH CHECK	REMOTE MONITORING /PLAYBACK / ARCHIVING / SETUP / PTZ CONTROL / HEALTH CHECK	
	VMS SUPPORT	YES	YES	
	TWO-WAY AUDIO	YES	YES	
	PC BASED REMOTE AGENT	YES	YES	
	SMARTPHONE APPLICATION	YES (iOS, Android)	YES (iOS, Android)	
	WEB BASED REMOTE AGENT	YES (WINDOWS®, LINUX, MAC OS/X®, ETC.)	YES (WINDOWS®, LINUX, MAC OS/X®, ETC.)	
	SDK	YES (HTTP, RTSP Protocol Base)	YES (HTTP, RTSP Protocol Base)	
	AUTO ROUTER PORT FORWARDING	YES	YES	
	DUAL STREAMING	YES	YES	
	FTP CLIENT	YES (For ARCHIVING)	YES (For ARCHIVING)	
	E-MAIL	YES (SMTP CLIENT)	YES (SMTP CLIENT)	
	AUTHORITY CONTROL	ADMIN / MANAGER / USER	ADMIN / MANAGER / USER	
	PROTOCOLS	RTP, RTSP, RTCP, SMTP, NTP, HTTP, FTP, DDNS, DHCP, Upnp (Router Port Forwarding)	RTP, RTSP, RTCP, SMTP, NTP, HTTP, FTP, DDNS, DHCP, Upnp (Router Port Forwarding)	
	EVENT	TYPE	VIDEO LOSS EVENT / EVENT NOTIFICATION/ EVENT POPUP / MOTION DETECTION/ MOTION SENSOR AREA	VIDEO LOSS EVENT / EVENT NOTIFICATION/ EVENT POPUP / MOTION DETECTION/ MOTION SENSOR AREA
	ADDITIONAL	LANGUAGE	MULTI-LANGUAGE	MULTI-LANGUAGE
KEYBOARD CONTROLLER		YES	YES	
OPERATING SYSTEM		LINUX®	LINUX®	
FILE SYSTEM		ITX FILESYSTEM	ITX FILESYSTEM	
DST SETUP		YES	YES	
DISK TEMPERATURE CHECK		YES (DEPEND ON HDD SPEC)	YES (DEPEND ON HDD SPEC)	
DISK S.M.A.R.T CHECK, AUTO DISK RECOVERY, F/W UPGRADE, SETUP IMPORT/EXPORT		YES (DEPEND ON HDD SPEC)	YES (DEPEND ON HDD SPEC)	
PTZ CONTROL		YES (PAN / TILT / ZOOM /FOCUS / IRIS / PRESET)	YES (PAN / TILT / ZOOM /FOCUS / IRIS / PRESET)	

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