

# 1 CHANNEL FULL HD-SDI RECORDER WITH CONVERTER

## Features:

- H.264 compression, Long time and real time recording!
- Support HD-SDI input and HDMI/CVBS/HD-SDI output.
- 1920\*1080P high resolution recording
- Multiple resolutions input and multiple resolutions output
- High resolution display of 1920\*1080P
- Record mode: Manual / Schedule / Motion Detection
- Adjustable sensitivity and area selectable for motion detection
- Support recorded SD card and up to 128GB(FAT32)



## Product Specification :

Model No.		AR1012
Image	Codec	H.264 AVI File Format, Dynamic Compression
	Recording Frame Rate	1920*1080@25 IPS, 1280*720@30 IPS(NTSC)
	Recording Quality	High / Normal / Basic
	Recording Date / Time	Overlay with Video Images in AVI File
	Input	1CH SDI BNC 75 ohm
	Video output	1CH SDI BNC 75 ohm 1CH BNC, CVBS out 1CH HDMI Female(Type A)
	File output	Mini USB (slave file output)
Input and output format		HD – SMPTE 292M/274M/296M <u>1.485Gb/s</u> o 1080i@60/50Hz o 1080p@30/25Hz o 720p@60/50/30/25Hz
Storage Media		SD card, support capacity up to 128GB(FAT32)
Recording Mode		Schedule / Motion Detection / Manual
Motion Detection Setting		Multiple Blocks and adjustable sensitivity
Playback Function		Play / Fast Forward / Fast Rewind / Pause / Step Forward / Step Rewind
Playback Speed		x1 / x2 / x4 / x8 / x16 / x32
Power Supply		DC12V/1A
IR remote control		Yes
Power Consumption		DC 12V / 3W/Max
Weight		208g
Dimensions (WxHxD)		104mm X 26mm X 77mm
Operating Environment		- 10°C ~ +50°C (12°F ~ 122°F)

## Storage Capacity(Dynamic Compression) :

Day

128GB	Image Size	Quality	25 frame/s	20 frame/s	10 frame/s	4 frame/s
FHD	1080P	HIGH	125H	132H	192H	280H
		NORMAL	200H	291H	332H	520H
		BASIC	286H	368H	550H	680H
H = HOURS						

Day

128GB	Image Size	Quality	30 frame/s	20 frame/s	10 frame/s	4 frame/s
HD	720P	HIGH	157H	203H	438H	580H
		NORMAL	258H	326H	538H	780H
		BASIC	355H	518H	782H	1250H
H = HOURS						

Midnight (Static object and turn on IR)

128GB	Image Size	Quality	25 frame/s	20 frame/s	10 frame/s	4 frame/s
FHD	1080P	HIGH	489H	515H	683H	781H
		NORMAL	839H	867H	1102H	1439H
		BASIC	1388H	1433H	1734H	1955H
H = HOURS						

Midnight(Static object and turn on IR)

128GB	Image Size	Quality	30 frame/s	20 frame/s	10 frame/s	4 frame/s
HD	720P	HIGH	1015H	1081H	1288H	1395H
		NORMAL	1616H	1695H	2010H	2091H
		BASIC	2435H	2576H	3091H	3293H
H = HOURS						

## SDI Recorder Block Diagram :



