A&E Specifications

SRD- 442 **4** channel digital video recorder with 4.3” Touchscreen

Version 1.0

1. GENERAL

a. All equipment and materials used shall be standard components that are regularly manufactured and used in the manufacturer’s system.
b. All systems and components shall have been thoroughly tested and proven in actual use.
c. All systems and components shall be provided with an explicit manufacturer warranty.

2. DISPLAY

a.	Video	
	i. Video Input:	4 Analogue, BNC connectors NTSC/PAL 75ohm automatic termination
	ii. Resolution	PAL: 704 x 576
b.	Live	
	i. Frame Rate	PAL: 100fps
	ii. Resolution	PAL: 704 x 576
	iii. Multi-Screen Display	1 / 4 / Sequence / PIP
c.	Display LCD	4.3” Built-in

3. PERFORMANCE

	i. Operating System	Lynux
	ii. Compression	H.264
b.	Recording	
	i. Record Rate	Up to 25fps @ 704 x 576 (P) 4-CIF Up to 50fps @ 704 x 288 (P) 2CIF Up to 100fps @ 352 x 288 (P) CIF
	ii. Mode	Manual, Schedule, Continuous, Event (Pre/Pos
	iii. Overwrite mode	Continuous
	iv. Pre-alarm	Up to 1, 2, 3, 4 & 5 sec
	v. Post-alarm	Up to 6-hrs 5,10,20,30sec / 1, 3, 5, 10, 20mins / 1-6hrs
c.	Search & Playback	
	i. Search Mode	Date/time, Event, Back up, Motion
	ii. Playback Function	REW, FWD, Slow Forward/Backwards, Step by Step REW/FWD
d.	Network IPv4	
	i. Multi-Stream	H.264 (CIF)
	ii. Transmission Speed	100fps
	iii. Bandwidth	Up to 4Mbps, Unlimited (4M) 2/1.5/1Mbps / 800/600/ 500/400/300/200/100/50Kbps
	iv. Bandwidth Control	Automatic
	v. Protocol Support	TCP/IP, DHCP, PPPoE, SMTP, NTP, HTTP, DDNS, RTP, RTSP
	vi. Remote users	Search 2 / Live unicast 4 / Live multicast 4
	vii. Remote Monitoring	Webviewer, SmartViewer, NET-I Viewer)
e.	Smart Phone	
	i. SmartPhone	Android, iOS
	ii. Protocol Support	RTP, RTSP, HTTP, CGI
	iii. Max. Remote Users	Live 1
f.	Storage	
	i. Internal HDD	Up to 2 SATA HDD
	ii. USB (Back up)	2 External USB ports

iii. File Format (Back up)	BU (DVR player), EXE (Include player)
g. Security	
i. Password Protection	1 Admin, 10 Group, 10 User per 1 group
ii. Data Authentication	Watermark
4. INTERFACE	
a. Monitors	
i. VGA/Main Composite	1 x VGA (1,024 x 768)/1BNC composite selectable
ii. Spot Composite	Analogue spot 1 x BNC, only VGA selectable
b. Audio	
i. Inputs / Output	1 Ch Line in / 1Ch line out
ii. Compression	G.711 ULAW
iii. Sample Rate	8KHz
c. Alarm	
i. Inputs	4 inputs, NO/NC
ii. Output	1-relay outputs NO/NC
iii. Rating	24V DC / 1A, 125V AC / 0.5A
iv. Remote Notification	Notification via e-mail
d. Connections	
i. Ethernet	RJ-45 10/100 Base-T
ii. Serial Interface	RS-485 (half) for PTZ, System keyboard *Support for POS interface (VSI-Pro)
iii. USB	2 x USB 2.0
iv. Application Support	Mouse, Remote control
v. Protocol Support	Samsung-T/E, Pelco-D/P, Panasonic, Philips, AD, Diamond, Erna, Kalatel, VCL, TP, Vicon, Elmo
5. GENERAL	
a. Electrical	
i. Input Voltage	12V DC adapter, 4A, 100 – 250V AC, 50/60Hz, 48W
ii. Power Consumption:	15 watts (1 X HDD)
b. Environmental	
i. Operating Temperature:	+0° to 40°C
ii. Operating Humidity:	20% to 85% RH (non-condensing)
c. Physical	
i. Dimensions:	215 W x 88 H x 350.7 D mm
ii. Weight:	3 kg (including 1 x HDD)
d. Languages	English, Spanish, French, German, Italian, Polish, Portuguese, Russian, Turkish, Czech, Serbian, Swedish, Netherlands, Danish, Rumanian, Croatian, Hungarian & Greek
6. WARRANTY	3 years, parts and labour

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