Video	Input	16 Analog Channels and 8 IP Channels, 24 IP Channels
	Standard	PAL (704x576) and NTSC (704x480)
	Compression	H.264/MPEG4/Motion JPEG
	Output	2 HDMI, 1 VGA , 1 CVBS Main, 1 CVBS Spot
	Loop Output	16
Audio	Compression	Analog: G.711 and IP Input: G.711, G.726, G.729 and AAC(Dep on cam)
	Input	2 Channel, RCA Port
	Loop in	16
	Output	1 Channel, RCA Port
Alarm	Input	8
	Output	3
Display	Split(VGA/HDMI)	1x1, 2x2, 3x3, 4x4, 5+1, 7+1, 4+3, 8+2, 12+1, 1©+12, 1+9, 4+9, 2+12 and Sequential
	Split(Through LAN)	24 Channel @ 1080P/720P/D1
	Resolution(VGA/HDMI)	6 Ch.@1080P, 9 Ch.@ 720P and 24 Ch.@ D1
	Privacy Masking	Yes
	Digital Zoom on Live	Yes
	Snapshot	Yes
	Multiple Camera Viewing	Through Cascading(up to 20 Devices)
	OSD	Channel Number and Name, Status, Video Loss, Motion Detection, Recording, View Tamper and Disabled Channel (As per camera support)
	Frame Rate	25fps @ D1 Per Channel
Recording	Image Resolution	1080P, 720P, D1(Max-1080P for all channel)
	Pre-Record	Up to 30 Sec
	Post-Record	10-300 Sec
	Snapshot Format	JPEG
	Recording Modes	Continuous, Scheduled, Alarm, COSEC, Motion Based, Manual
	Retention (Camera Wise Recording & Backup Retention)	Day wise(Configurable)
Optimization	Storage	Adaptive recording: Automatically changes frame parameters during recording for configured time, thereby saving storage
	Bandwidth	Automatically adapts optimized resolution on local display through HDMI/VGA

MATRIX
SECURITY SOLUTIONS

Playback And Backup	Synchronous Playback	4 Channel
	Search Mode	Date and Time, Camera, Event, Recording Type
	Playback Modes	Fast Forward, Slow Forward, Slow Reverse, Fast Reverse at Different Speed Control, Next-Previous Frame
	Backup	Manual Backup over USB and NAS, Scheduled Backup over USB, NAS and FTP
	Network Functions	TCP/IP, DHCP, PPPOE DNS, DDNS, Free Matrix DNS, FTP, SMTP, NTP, RTP/RTSP, HTTP, CIFS/NFS, UPnP
	Remote Operation	Monitor, PTZ Control, Playback, System Setting, File Download, Log Information, Upgrade
Video Detection And Alarm	Trigger Events	Motion Detection, View Tampering, Connection Failure, , Recording Failure, Manual Trigger, On Boot Alarm, Storage Alert, Disk Volume Full, Disk Fault, Scheduled Backup Fail
	Actions	Recording on Selected Channel, Upload Images on FTP/Email server, Email Notification with Snapshot, TCP Notification, Recall PTZ Preset Position, Turn On/Off Alarm Outputs, Buzzer Notification, SMS Notification, Calling from Mobile App
	Motion Detection	Yes
	Connection Failure	Yes
	View Tamper	Yes
Interfaces	Communication Interface	2×Gigabit RJ45 Ethernet Interfaces
	Throughput	144 Mbps (48 Mbps Downlink / 96 Mbps Uplink)
	USB	4 Ports
	RS-485	1 Port (PTZ Control)
RAID Support		Single Disk, RAID0, RAID1
Storage	SATA Interface	4 SATA Port (6TB Per Port)
	NAS	2 (16TB Per NAS)
	USB	1 TB USB Drive(GPT Partition Table)
System	Processor	High Performance Embedded Microprocessor
	OS	Linux
	Control Mode	Mouse, IR Remote Control, CMS and Web Client
Camera Support		Axis, Acti, Samsung, Panasonic, Sony, Planet, Zavio, Vivotek, LevelOne, Arecont Vision, Grandstream, Infinova, Dlink, Mobotix, Ganz and ONVIF 2.0 & above Support
Electrical	Power Input	12VDC@5A
Environmental	Operating Temperature	-10^{0}C to +45^{0}C (14^{0}F to 113^{0}F)
	Humidity Range	10% to 95% RH Non-Condensing
Mechanical	Dimensions (WxHxD)	445 X 79.6 X 274mm
	Weight(Kg)	3.7