DAHUA C52A3N1 16-Channel Tribrid 4K 1U HDCVI Digital Video Recorder with 1TB HDD

System	
Main Processor	Embedded Processor
Operating System	Embedded LINUX
Display	
Interface	One (1) HDMI (up to 3840 x 2160), One (1) VGA
Spot Output (Video Matrix)	HDMI or VGA Interface, configurable
Resolution	3840 x 2160, 1920 × 1080, 1280 × 1024, 1280 × 720, 1024 × 768
Multi-screen Display	16 Ch: 1/4/8/9/16/25
On-screen Display Options	Camera Title, Time, Video Loss, Camera lock, Motion Detection, and Recording
Video Detection and Alarm	
Trigger Events	Recording, PTZ, Tour, Alarm Out, Video Push, Email, FTP, Snapshot, Buzzer, and Screen Tips
Video Detection	Motion Detection, MD Zones: 396 (22 × 18), Video Loss, Tampering, and Diagnosis
Playback and Backup	
Playback	16 Ch: 1/4/9/16
Search Mode	Time / Date, Alarm, Motion Detection, and Exact Search (accurate to 1 second)
Playback Function	Play, Pause, Stop, Rewind, Fast play, Slow Play, Next File, Previous File, Next Camera, Previous Camera, Full Screen, Repeat, Shuffle, Backup Selection, and Digital Zoom
Backup Mode	USB Device
	Network
Storage	
Internal HDD	2 SATA Ports, up to 6 TB capacity for each disk
HDD Mode	Single
Auxiliary Interface	
USB	1 USB 2.0 and One (1) USB 3.0
RS485	One (1) Port, for PTZ Control
Third-party Support	Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dynacolor, Honeywell, Panasonic, Pelco, Samsung, Sanyo, Sony, Videotec, Vivotek, and others
Audio and Video	
Analog Camera Input	16 Channels
IP Camera Input	16+8 Channels, each channel up to 8 MP (4K)
Audio	Input: One (1) Channel
	Output: One (1) Channel
Two-way Talk	Reuse Audio In/Out, RCA
Recording	
Compression	Smart H.264+/H.264
Resolution	4K (8 MP), 4 MP, 1080p, 720p, 960H, D1, HD1, BCIF, CIF, QCIF
Record Rate, Analog Channels	Main stream: First Channel: 4K (8 MP) at 15 fps or 4 MP at 15 fps Other Channels: 4 MP at 15 fps or 1080p, 720p, 960H, D1, HD1, BCIF, CIF, QCIF at 30 fps
	Sub Stream: D1, CIF, QCIF at 30 fps
Bit Rate	1 Kbps to 12288 Kbps per Channel
Record Mode	Manual, Schedule (Regular, Continuous), Motion Detection (Video detection: Motion Detection, Video Loss, Tampering), Alarm, and Stop

Record Interval	1 to 60 minutes (default: 60 minutes)
	Pre-record: 1 s to 30 s
	Post-record: 10 s to 300 s
Network	
Interface	1 RJ-45 Port (1000 Mbps)
Network Function	HTTP, TCP/IP, IPv4/IPv6, UPnP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE,DDNS, FTP, Alarm, Server, P2P,IP Search (Support Dahua IP camera, DVR, NVS)
Max. User Access	128 users
Mobile Operating System	IOS and Android
Interoperability	ONVIF 2.4.1, CGI Conformant
Electrical	
Power Supply	12 VDC, 5 A
Power Consumption	< 15 W (without HDD)
Environmental	
Operating Conditions	-10°C to +55°C (+14°F to +131°F), 0 to 90% RH
Storage Conditions	-20° C to +70° C (-4° F to +158° F), 0 to 90% RH
Construction	
Dimensions	1U, 375.0 mm x 285.0 mm x 55.0 mm
	(14.80 in. x 11.20 in. x 2.20 in.)
Net Weight	2.35 kg (5.20 lbs) (without HDD)
Gross Weight	3.20 kg (7.05 lb)
Installation	Desktop installation
Certifications	
Safety	UL 60950-1 CAN/CSA C22.2 No. 60950-1-07
Electromagnetic Compatibility (EMC)	FCC Part 15 Subpart B ICES 003 EN 55032: 2012+AC:2013 (Class B) EN 55024 : 2010 EN 61000-3-2 : 2014 EN 50130-4: 2011 EN 61000-3-3 : 2013